From:	Haney, Catherine
To:	Stablein, King
Subject:	RE: Committee on Energy and Commerce, Republicans : Hearing :: The FY2012 Department of Energy and Nuclear Regulatory Commission Budgets
Date:	Wednesday, March 16, 2011 8:58:00 AM

Thanks. It is 9:30 right?

-----Original Message-----
From: Stablein, King
Sent: Wednesday, March 16, 2011 8:57 AM
To: Haney, Catherine; Mohseni, Aby; Kokajko, Lawrence; Kotra, Janet
Subject: FW: Committee on Energy and Commerce, Republicans : Hearing :: The FY2012 Department of Energy and Nuclear Regulatory Commission Budgets

Gentlefolk,

I am told by the Chairman's office that this link will get us video access to the hearing.

Cheers,

King

-----Original Message-----
From: Speiser, Herald
Sent: Wednesday, March 16, 2011 8:55 AM
To: Stablein, King
Subject: Committee on Energy and Commerce, Republicans : Hearing :: The FY2012 Department of Energy and Nuclear Regulatory Commission Budgets

http://energycommerce.house.gov/hearings/hearingdetail.aspx?NewsID=8329

From: Burnell, Scott
To: Shannon, Valerie
Subject: RE: Grandmas Attic
Date: Wednesday, March 16, 2011 8:59:00 AM

Beth's office, I believe

From: Shannon, Valerie
Sent: Wednesday, March 16, 2011 8:58 AM
To: Burnell, Scott
Subject: Grandmas Attic

Scott,
Do you happen to know where to Grandmas Attic box is?
Thanks, Val

From: Cohen, Miriam
Subject: The Human Touch - March 2011
Date: Wednesday, March 16, 2011 8:59:24 AM

HR Human Touch

HR Items of Interest

March 16, 2011

Good morning,

With this e-mail, the Office of Human Resources (HR) is sending another update of items of interest and relevance to the NRC staff. Click here to read **The Human Touch**. This update includes the following information:

- CHECK IT OUT: Maximizing your Benefits! – The Work Life and Benefits Branch hosted a Social Security Briefing
- SAVE THE DATE: Seminar on FEHB and Medicare, and The Federal Long Term Care Program
- News You Can Use...From Your EAP
- Long Term Care Insurance Program Open Season

Please feel free to provide feedback to me or Jason Shay, Chief, Program Management, Policy Development and Analysis Staff, HR at Jason.Shay@nrc.gov.

Miriam Cohen, Director,
Office of Human Resources

From: Cartwright, William
To: Cheok, Michael
Subject: RE: Link to ROMA
Date: Wednesday, March 16, 2011 9:08:12 AM

You can create the link yourself. The file location is:

U:\NRR_ROMA\NRR_ROMA.mdb

From: Cheok, Michael
Sent: Wednesday, March 16, 2011 9:07 AM
To: Cartwright, William; Nguyen, Caroline
Subject: RE: Link to ROMA

Bill – contrary to your message, apparently Outlook did not trust the link. I got the following in my incoming email "Outlook blocked access to the following potentially unsafe attachments:ROMA.lnk" Maybe it was the sender ☺ Thanks for trying.

Caroline – are you the person I talk to to request access to ROMA for all DRA contracts?

Mike

From: Cartwright, William
Sent: Wednesday, March 16, 2011 8:44 AM
To: Cheok, Michael; Brown, Frederick
Subject: Link to ROMA

If I did this correctly it should be the link to ROMA.

To the best of my knowledge the link will not direct your computer to Eastern Europe or Asia.

From: Miller, Ilyne
To: Ruland, William; Bahadur, Sher; Lubinski, John; Evans, Michele; Hiland, Patrick; Skeen, David; Cheok, Michael; Lee, Samson; Holian, Brian; Galloway, Melanie; Giitter, Joseph; Nelson, Robert; Howe, Allen; Brown, Frederick; McGinty, Tim; Blount, Tom; Quay, Theodore
Subject: "Google"s Quest to Build a Better Boss"
Date: Wednesday, March 16, 2011 9:08:56 AM

Hi, for a bit of a diversion from the incredible stress you are currently under, I thought you might be interested in the following article from the New York Times..."Google's Quest to Build a Better Boss."

http://www.nytimes.com/2011/03/13/business/13hire.html?pagewanted=1&_r=1

Google's approach was validating to what I believe is the most effective and efficient approach. First, just as the framework emphasizes, the answer is in the room. Google relies on its people rather than on consultants/contractors...whether it's developing and implementing a survey or utilizing a coach, the "experts" are Google employees. They are the ones who are engaged and have the most at stake. There message was not to rely on the millions of management books/approaches, but to rely on the knowledge/wisdom of your own people.

And, a validation to NRC senior managers for their philosophy that the supervisor does not have to be the expert...Google also has found that to be true.

Enjoy,

Ilyne

From: Schwartzman, Jennifer
To: Virgilio, Martin; Williams, Shawn; Fragoyannis, Nancy
Cc: "ShafferMR@state.gov"
Subject: RE: Task force
Date: Wednesday, March 16, 2011 9:10:15 AM

I saw that after sending my original note. Thanks!

From: Virgilio, Martin
Sent: Wednesday, March 16, 2011 9:10 AM
To: Schwartzman, Jennifer; Williams, Shawn; Fragoyannis, Nancy
Cc: 'ShafferMR@state.gov'
Subject: Re: Task force

Jenn

The meeting has been postponed.

Marty

From: Schwartzman, Jennifer
To: Virgilio, Martin; Williams, Shawn; Fragoyannis, Nancy
Cc: 'ShafferMR@state.gov' <ShafferMR@state.gov>
Sent: Wed Mar 16 08:24:31 2011
Subject: RE: Task force

One suggestion – since Mark is over there, would it be useful if he delivered the message personally?

From: Virgilio, Martin
Sent: Wednesday, March 16, 2011 1:25 AM
To: Williams, Shawn; Fragoyannis, Nancy
Cc: Schwartzman, Jennifer; 'ShafferMR@state.gov'; Virgilio, Martin
Subject: Re: Task force

Shawn

(b)(5)

Marty

From: Williams, Shawn
To: Fragoyannis, Nancy
Cc: Schwartzman, Jennifer; Virgilio, Martin; Shaffer, Mark R <ShafferMr@state.gov>
Sent: Tue Mar 15 07:55:26 2011
Subject: RE: Task force

(b)(5)

(b)(5)

Shawn

-----Original Message-----
From: Fragoyannis, Nancy
Sent: Tuesday, March 15, 2011 1:49 AM
To: 'Richard.Goorevich@nnsa.doe.gov'
Cc: Doane, Margaret; Schwartzman, Jennifer; Williams, Shawn; Virgilio, Martin
Subject: Task force

Rich,

(b)(5) Marty will be contacting Denny to advise him that he is unable to attend the meeting and the US position.

Thanks,

Nancy

Nancy Fragoyannis
Sent from NRC Blackberry
(b)(6)

Satorius, Mark

From: Mitlyng, Viktoria
Sent: Wednesday, March 16, 2011 9:13 AM
To: All R3 Users
Subject: Chairman Briefing

The briefing is being aired on Cspan 3. It started 9 am.

Viktoria Mitlyng
Office of Public Affairs
US Nuclear Regulatory Commission
Region III
Lisle, IL 60532
Tel 630/829-9662
Fax 630/515-1026
e-mail: viktoria.mitlyng@nrc.gov

From:	Galloway, Melanie
To:	Boger, Bruce
Cc:	Holian, Brian
Subject:	Mid-year performance appraisal for Trent
Date:	Wednesday, March 16, 2011 9:15:07 AM

Bruce,

Yes, that mid-year appraisal time is just about upon us. Given that, I was wondering whether you wanted to do Trent's mid-year or if you wanted me to do it. Whatever you prefer is fine with me. If you prefer that I do it, any input you would want me to share with Trent from his first quarter as TA, I will pass on. Likewise, if you do it, I can pass on input for his 2nd quarter assignment as a BC in DLR.

Melanie

From: Nguyen, Caroline
To: Cheok, Michael
Subject: RE: Link to ROMA
Date: Wednesday, March 16, 2011 9:15:36 AM

On my way!

From: Cheok, Michael
Sent: Wednesday, March 16, 2011 9:11 AM
To: Nguyen, Caroline
Subject: RE: Link to ROMA

Caroline – I am in my office now (till about 10) - My location is 10H1. Thanks

From: Nguyen, Caroline
Sent: Wednesday, March 16, 2011 9:10 AM
To: Cheok, Michael; Cartwright, William
Subject: RE: Link to ROMA

Hi Mike,

Yes, it's me. Let me know when you are in your office, and I can come by and try to troubleshoot it for you. All NRR staff have been granted access rights to ROMA, so it may just be a mapping issue. Or, maybe Outlook is just protecting you from Bill. ☺

Thanks!
Caroline

From: Cheok, Michael
Sent: Wednesday, March 16, 2011 9:07 AM
To: Cartwright, William; Nguyen, Caroline
Subject: RE: Link to ROMA

Bill – contrary to your message, apparently Outlook did not trust the link. I got the following in my incoming email "Outlook blocked access to the following potentially unsafe attachments:ROMA.lnk" Maybe it was the sender ☺ Thanks for trying.

Caroline – are you the person I talk to to request access to ROMA for all DRA contracts?

Mike

From: Cartwright, William
Sent: Wednesday, March 16, 2011 8:44 AM
To: Cheok, Michael; Brown, Frederick
Subject: Link to ROMA

If I did this correctly it should be the link to ROMA.

To the best of my knowledge the link will not direct your computer to Eastern Europe or

Asia.

From: FCW Daily
To: Cheok, Michael
Subject: Funding bill halfway home | Toward better performance measures
Date: Wednesday, March 16, 2011 9:16:29 AM

Having trouble viewing this e-mail? Click here to view as a Web page.

Logo

Daily

Follow us on

Contact the Editor

FEATURED CHANNELS CLOUD/VIRTUALIZATION/GREEN | DEFENSE | GOVERNMENT 2.0 | HOMELAND SECURITY | MANAGEMENT/WORKFORCE

3/16/2011

House passes latest short-term funding measure

The House of Representatives passed the latest short-term funding measure to head off a government shutdown.

Rating feds' performance: Changes are in the works

OPM seeks to elevate federal information management personnel

Proving value of open government falls to agencies

Federal IT Dashboard has inaccurate data, GAO finds

Chris Kemp to quit NASA's CTO job

Mobile Platform

AT&T and the case of the missing 4G

Kundra's $2,000 mobile subsidy: What can it really get you?

FY 2012 Federal Budget Request

INPUT's FY 2012 Federal Budget Request: Insight & implications answers vendors questions related to the Obama administration's FY 2012 proposal. Examine potential outcomes for the nation's 15 largest agencies.

Download a free summary now at http://FY2012Budget.input.com.

Too Many Silos on the IT Farm?

Discover what convergence means for your data center

- Consolidate server, networking, and storage
- Simplify your infrastructure
- Streamline management

Learn more!

Download Resources

Special Report: Mobile and Wireless
Sponsored by: GovConnection
Federal agencies are adding tablets to their IT mix for good reasons: they fulfill data requirements, and improve mobility for the workforce. Read the full article.

Cloud Computing Drives Breakthrough Improvements in IT Service Delivery, Speed, and Costs
IDC OPINION Cloud computing promotes a new dialogue between business and IT decision makers. It allows decision makers to define business service requirements first and then decide how to balance the use of shared, internal virtualized IT resources and external public services that cost-effectively yield maintaining required levels of cost, performance, security, and business resilience. Read more.

Three Demographic Mega-Trends to Transform the Aerospace and Defense Workforce
In this informative whitepaper from Oracle, learn about these trends and how they are beginning to take effect, driving initiatives that are ripping through a number of talent markets. Learn more.

In case you missed it

In shutdown, military would work without pay

Time to rethink the cyber defense equation

Japan quake disrupts world technology supply chain

More resources

Get to know cloud computing's advantages

Cloud computing could help the government become significantly more efficient. But is it always the right choice?

IT struggles to control security, bandwidth on tethered devices

For users, tethering looks like an easy way to get unlimited Internet access, but it creates a challenging development for IT administrators.

Featured jobs from the Government Career Network

TMAS (TFE-TIM) Tax ERP Senior Associate - PricewaterhouseCoopers - NY
Senior Lobbyist, Federal Relations - Syngenta - Washington, DC
Account Executive Holyoke - Connecticut Business Systems - Holyoke, MA
Account Executive - Connecticut Business Systems - Lincoln, RI
Account Executive Norwalk - Connecticut Business Systems - Norwalk, CT

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This message was sent to: michael.cheok@nrc.gov

Bozin, Sunny

From:	Herr, Linda
Sent:	Wednesday, March 16, 2011 9:17 AM
To:	Jaegers, Cathy; EDOBriefingPkgRequest Resource
Cc:	Franovich, Mike; Sargent, Kimberly; Wittick, Susan; Nieh, Ho
Subject:	ACTION: Briefing Package Request for Meeting with Progress Energy on May 9, 2011
Attachments:	image001.gif

Please ask staff to prepare a briefing package for Commissioner Ostendorff's courtesy meeting that has been scheduled for:

DATE: May 9, 2011

TIME: 9:30-10:00am

ORGANIZATION: Progress Energy

SUBJECT MATTER: TBD

ATTENDEES, TITLES: William (Bill) D. Johnson, Chrm, President and CEO; Jeffery J. Lyash, Exec. VP Energy Supply; James Scarola, SVP and CNO

CONTACT: Donna Alexander

PHONE (b)(6)

FURTHER INFORMATION (b)(6)

OCM/WCO CONTACT: Mike Franovich 415-1800

Many thanks!

Linda Herr
Administrative Assistant to
Commissioner William C. Ostendorff
U.S. Nuclear Regulatory Commission
PH: 301-415-1759
FAX: 301-415-1757

green Please consider the environment before printing this e-mail.

Satorius, Mark

From: Garza, Michelle
Sent: Wednesday, March 16, 2011 9:35 AM
To: Bloomer, Tamara; Bayliff, Shirley; Logaras, Harral; Barker, Allan; Satorius, Mark; Pederson, Cynthia; Reynolds, Steven; Boland, Anne; Shear, Gary; Mitlyng, Viktoria; Chandrathil, Prema; Duncan, Eric; Lara, Julio; Lipa, Christine; Louden, Patrick; Ring, Mark; Skokowski, Richard; Stone, AnnMarie; Kozak, Laura; Passehl, Dave; Kozak, Thomas; Phillips, Monte; OBrien, Kenneth; Orth, Steven; Cameron, Jamnes; Pelke, Patricia; Kunowski, Michael; Holt, BJ; Lynch, James; Smith, Desiree; Bramnik, Andrew; Garza, Michelle; Riemer, Kenneth; Hills, David; Lanksbury, Roger; Peterson, Hironori; Sotiropoulos, Dina; Doornbos, Roger; Foltz, Jeffrey; Maynen, Joseph; Funk, Don; Daley, Robert; Giessner, John; Rubic, Mark; Heck, Jared; Langan, Scott; West, Steven; Valos, Nicholas; West, Steven; Dickson, Billy
Cc: Dalzell-Bishop, Jennifer
Subject: Call Out Test March 15, 2011

Importance: High

Greetings,

Last night (at approximately 7:30 p.m. to 9:00 p.m.), we performed a routine test of our Incident Response call-out system using our answering service. The purpose of the test is to ensure that our methods for notifying our response organization will be effective.

If you did not physically speak to a calling service representative last evening, please respond to the following questions by March 25th :

1.) Did you receive a message on your home telephone and/or NRC cellular phone?

If so,

2.) At what time did you notice that message?

3.) At the time that you noticed the message, would you have been able to respond to the Region III Office had this been an actual call-out?

If you were successfully contacted by the calling service, no further action is required.

We greatly appreciate your participation in our Incident Response Program. Once the results of the test are obtained and analyzed, they will be issued in a Memo.

Thank you,

Michelle Garza
RIII Emergency Response Specialist
Michelle.Garza@nrc.gov
630-829-9719 (office)

From: (b)(6)
To: [illegible]
Subject: (b)(6)
Date: Wednesday, March 16, 2011 9:47:33 AM

(b)(6)

(b)(6)

SAVE THE DATE!

Adobe and Carahsoft are bringing the government IT community together with industry experts for an interactive, solution-focused technology summit, highlighting the features and benefits of Adobe products and services.

Adobe is pleased to shine a spotlight and elaborate on their full portfolio of solutions for federal, state, and local government agencies. Join your colleagues for an informative day of industry keynotes, solution discussions, networking exhibits, and hands-on interactive training sessions.

Learn more about Adobe solutions that can support your agency and see firsthand the power of Adobe products in government. Sessions will highlight:

- Connect
- LiveCycle
- Acrobat
- Creative Suite
- ColdFusion
- Flash
- Flex and more!

We hope you will mark your calendar for this unique opportunity to discover what other government agencies are doing with Adobe products and learn about the latest and greatest in Adobe technology. Please look for a formal invitation to follow and we hope to see you on June 23, 2011 in Arlington, VA!

Questions? Contact Us.

Adobe Government at Carahsoft
877-99-ADOBE (Toll Free)
adobe@carahsoft.com

Check out our 2010 Adobe Government Technology Summit!

Save the Date!

Date:
Thursday, June 23, 2011

Time:
7:30 AM EDT - 5:30 PM EDT

Location:
Crystal Gateway Marriott
1700 Jefferson Davis Highway
Arlington, VA 22202
Directions

Click here to forward this mailing with your personal message.

McKelvey, Harold

From: Collins, Elmo
Sent: Wednesday, March 16, 2011 9:57 AM
To: Owen, Lucy
Subject: FW: Action: Completion of 2011 Career Interest Forms (Due Date: February 15, 2011)
Attachments: (b)(6) 2011 Career Interest Form.doc

From: (b)(6)
Sent: Tuesday, February 01, 2011 10:11 AM
To: Gallagher, Johanna
Cc: Collins, Elmo; Howell, Art
Subject: RE: Action: Completion of 2011 Career Interest Forms (Due Date: February 15, 2011)

Johanna
Here is my updated career interest form.
Thanks! For your support.
(b)(6)

From: Gallagher, Johanna
Sent: Tuesday, February 01, 2011 9:26 AM
To: Krupnick, David; Hudson, Jody; Buchholz, Jeri; Hirsch, Patricia; Howard, Patrick; Boyce, Thomas (OIS); Holian, Brian; Tallarico, Alison; Lombard, Mark; Hackett, Edwin; Corbett, James; Chokshi, Nilesh; Lewis, Robert; Kennedy, Kriss; Gallagher, Johanna; Lee, David; Blount, Tom; Croteau, Rick; Ader, Charles; Johnson, Michael; Bahadur, Sher; Itzkowitz, Marvin; Borchardt, Bill; Golder, Jennifer; Giitter, Joseph; Lew, David; Dudes, Laura; Evans, Michele; Jones, Bradley; Leeds, Eric; Batkin, Joshua; Bailey, Marissa; Dapas, Marc; Christensen, Harold; Collins, Elmo; Kelley, Corenthis; Davis, Jack; Akstulewicz, Frank; Lorson, Raymond; Burns, Stephen; Hiland, Patrick; Brown, Frederick; Greene, Kathryn; Lee, Samson; Carpenter, Cynthia; Holahan, Gary; Chamberlain, Dwight; Boger, Bruce; Casto, Chuck; Lui, Christiana; Caniano, Roy; Boland, Anne; Doane, Margaret; Huth, Virginia; Ficks, Ben; Lubinski, John; Bergman, Thomas; Cunningham, Mark; Gibson, Kathy; Howe, Allen; Brenner, Eliot; Camper, Larry; Cobey, Eugene; Correia, Richard; Galloway, Melanie; Gody, Tony; Grobe, Jack; Flanders, Scott; Jones, William; Kokajko, Lawrence; Clifford, James; Dean, Bill; Ash, Darren; Givvines, Mary; Dingbaum, Stephen; Holahan, Patricia; Dorman, Dan; Dyer, Jim; Howell, Art; Holonich, Joseph; Haney, Catherine; Cordes, John; Case, Michael; Coe, Doug; Cohen, Miriam; Rheaume, Cynthia; Meyer, David; Brown, Milton; Ordaz, Vonna; Reynolds, Steven; Zimmerman, Roy; Yerokun, Jimi; Tracy, Glenn; Kinneman, John; Gallagher, Johanna; Pruett, Troy; Virgilio, Martin; Shaffer, Mark; Ogle, Chuck; Piccone, Josephine; Wert, Leonard; Luehman, James; Weber, Michael; McConnell, Keith; Johns, Nancy; McCrary, Cheryl; Uhle, Jennifer; Richards, Stuart; Wiggins, Jim; OBrien, Kenneth; Vietti-Cook, Annette; Thaggard, Mark; Schaeffer, James; Madden, Patrick; Gusack, Barbara; Rothschild, Trip; Morris, Scott; Quay, Theodore; Satorius, Mark; McCree, Victor; Rich, Thomas; Bower, Phyllis; Layton, Michael; McDermott, Brian; Tappert, John; Matthews, David; Tschiltz, Michael; Miller, Chris; Persinko, Andrew; McGinty, Tim; Mitchell, Reggie; Pederson, Cynthia; Mamish, Nader; Zobler, Marian; Monninger, John; Stewart, Sharon; Roberts, Darrell; Nelson, Robert; McMillan, Joseph; Scott, Catherine; Poole, Brooke; Sheron, Brian; Williamson, Edward; Reis, Terrence; Wilson, Peter; Rabideau, Peter; Reyes, Luis; Maxin, Mark; Mayfield, Michael; Mohseni, Aby; Munday, Joel; Pulliam, Timothy; Skeen, David; Plisco, Loren; Weaver, Doug; Schmidt, Rebecca; Young, Mitzi; Ruland, William; Miller, Charles; Shear, Gary; Cheok, Michael; Westreich, Barry; Vegel, Anton; Shea, Joseph; Moore, Scott; Muessle, Mary; Webber, Robert; West, Steven; Weerakkody, Sunil; Shuaibi, Mohammed; Hsia, Anthony; Ayres, David; Delligatti, Mark; Henderson, Pamela; Andersen, James; Solorio, Dave; Louden, Patrick; Thomas, Brian; Valentin, Andrea; Clark, Jeff; Jackson, Deborah; Hawkins, Kimberly; Caldwell, Robert; Lund, Louise; Shields, James; Ross-Lee, MaryJane; Evans, Carolyn; Campbell, Andy; Scott, Michael
Subject: Action: Completion of 2011 Career Interest Forms (Due Date: February 15, 2011)
Importance: High

Due Date: February 15, 2011

- **To: SES Members and CDP Graduates**

The Executive Resources Board (ERB) will meet in March to update the NRC SES Succession Plan.

In preparation for this meeting and discussions with your Office Director/Regional Administrator, please complete the attached 2011 Career Interest Form. The form is also available on the SES website. This form gives you the opportunity to provide input on which program area(s) you'd like your next assignment to be in (i.e., reactors, materials, security, legal, corporate management, etc.); the level of position you are interested in (i.e., lateral move or promotion); your long-term career goals and the steps you feel you need to take to reach your goals; your developmental goals; and any information you'd like to share with regard to your mobility and retirement plans. Please contact me if you'd like a copy of the form you submitted last year.

In addition to completing the Career Interest form, you are asked to review and update your Strategic Workforce Planning (SWP) information with regard to geographical mobility and retirement plans. Please remember that by answering these questions, you are not obligating yourself in any way or to any specific time frame. The ERB will use this information only for strategic and succession planning purposes.

Your input is welcome and useful to the ERB as it strives to take the steps that will position the agency well for the future. Please send me your 2011 Career Interest Form **no later than Tuesday, February 15, 2011**, and provide a copy to your Office Director/Regional Administrator.

Attachment:
2011 Career Interest Form

(b)(6)

(b)(6)

(b)(6)

From: (b)(6)
To: Cheok, Michael
Subject: (b)(6)
Date: Wednesday, March 16, 2011 9:57:13 AM

(b)(6)

(b)(6)

From:	Ross, Robin on behalf of Boger, Bruce
To:	DprNrrCal Resource; Golla, Joe; Jolicoeur, John
Cc:	Ross, Robin
Subject:	Canceled: Pandemic Follow-up
Importance:	High

When: Wednesday, March 16, 2011 10:00 AM-10:30 AM (GMT-05:00) Eastern Time (US & Canada).
Where: O-13 D16

Note: The GMT offset above does not reflect daylight saving time adjustments.

~~*~*~*~*~*~*~*~*~*

POC: Joe Golla /NRR/DPR/PLPB X1002

Scheduled by Robin x1272, 8/2/10

From: Golder, Jennifer
To: Lubinski, John
Subject: RE: lunch?
Date: Wednesday, March 16, 2011 10:08:07 AM

Sounds good

Jennifer Golder

Budget Director
Office of the Chief Financial Officer
United States Nuclear Regulatory Commission

From: Lubinski, John
Sent: Wednesday, March 16, 2011 10:08 AM
To: Golder, Jennifer
Subject: Re: lunch?

I'm still good for lunch. Can we do something close since we are both busy. Meet in twfn lobby @ 1130.

Sent from my NRC blackberry
John W. Lubinski
(b)(6) (blackberry number)

From: Golder, Jennifer
To: Lubinski, John
Sent: Wed Mar 16 10:04:49 2011
Subject: lunch?

Hi John,

Do you still want to grab lunch today or are you involved in the Japan events – just let me know – my schedule is a little crazy.

Thanks!

Jennifer Golder

Budget Director
Office of the Chief Financial Officer
United States Nuclear Regulatory Commission

From:	Lubinski, John
To:	Thomas, Brian
Subject:	FW: DELIVERY OF xLPR VERSION 1.0 REPORT - TECHNICAL BASIS AND PILOT STUDY PROBLEM RESULTS
Date:	Wednesday, March 16, 2011 10:14:00 AM

From: Hardies, Robert
Sent: Tuesday, March 15, 2011 1:11 PM
To: Lubinski, John; Cusumano, Victor
Cc: Lupold, Timothy
Subject: RE: DELIVERY OF xLPR VERSION 1.0 REPORT - TECHNICAL BASIS AND PILOT STUDY PROBLEM RESULTS

I already reviewed this, provided comments, and the comments were incorporated. There should not be a ticket.

Robert Hardies
Senior Level Advisor for Materials Engineering
Division of Component Integrity
Office of Nuclear Regulatory Regulation
U.S. Nuclear Regulatory Commission

Office Phone 301 415-5802
Cell (b)(6)

From: Lubinski, John
Sent: Tuesday, March 15, 2011 12:48 PM
To: Cusumano, Victor
Cc: Hardies, Robert; Lupold, Timothy
Subject: FW: DELIVERY OF xLPR VERSION 1.0 REPORT - TECHNICAL BASIS AND PILOT STUDY PROBLEM RESULTS

Get any ticket assigned to Bob.

From: Lorette, Phillip
Sent: Tuesday, March 15, 2011 12:17 PM
To: Lubinski, John
Cc: Lupold, Timothy; Hardies, Robert; Collins, Jay; Hiser, Allen; Norato, Michael; Terao, David; Tsao, John; Tregoning, Robert; RES_DE_CIB; Bergman, Thomas; Dixon-Herrity, Jennifer
Subject: DELIVERY OF xLPR VERSION 1.0 REPORT - TECHNICAL BASIS AND PILOT STUDY PROBLEM RESULTS

March 15, 2011

MEMORANDUM TO: John W. Lubinski, Acting Director
Division of Component Integrity
Office of Nuclear Reactor Regulation

FROM: Michael J. Case, Director ***/RA/***
Division of Engineering

Office of Nuclear Regulatory Research

SUBJECT: DELIVERY OF xLPR VERSION 1.0 REPORT - TECHNICAL BASIS AND PILOT STUDY PROBLEM RESULTS

From: EUCI Energize
To: Golla, Joe
Subject: Energize Weekly Newsletter, March 16, 2011
Date: Wednesday, March 16, 2011 10:20:03 AM

Energize Weekly by EUCI :: Wednesday, March 16, 2011 / Volume 4 Issue 11

Cover Story

Nuclear Relicensing, New Construction to Face More Scrutiny

By Christopher Kolomitz, EUCI

As Japanese officials contend with the triple whammy of an earthquake, tsunami, and nuclear crisis all stemming from last week's 8.9-magnitude trembler, U.S. nuclear opponents and proponents are saying it's too early to judge what impact it will have in this country – although the nuclear power debate is sure to have more scrutiny.

According to the Nuclear Regulatory Commission, about 20 percent of electricity in the U.S. is provided by 104 reactors operating in 31 states

At issue for the two sides of the debate is the relicensing of existing plants, many of which are coming to the end of their 40-year licenses. Second is the construction of new plants – something that hasn't been an issue in decades.

According to the Nuclear Energy Institute, requests to construct 22 new reactors are being considered by the Nuclear Energy Commission. Each reactor averages $6 billion to $10 billion.

Read the full article here

T&D News

In the News

- Multi-State Power Line Project to Test Policies on Grouse, 'Wild Lands'
- Pipeline Power Line Delayed
- Korea Electric Power to Invest $1.8 Billion in Smart Power Grid by 2015
- Smart Grid's Fate Hinges on DPUC, Consumer Embrace
- Infrastructure Overhaul Needed Now to Meet Rising Demand, Expert Says

Renewable Energy News

By Christopher Kolomitz, EUCI

Solar Makes Big Gains in 2010, Forecast is Strong

Four of the top 10 states for total amount of installed solar in 2010 were East Coast locations, a clear sign the growth of the solar industry isn't limited to solar-rich areas in the West.

Sixteen states installed more than 10 MW of PV in 2010, up from four states in 2007. The top 10 states for PV installation in 2010 were: California, New Jersey, Nevada, Arizona, Colorado, Pennsylvania, New Mexico, Florida, North Carolina, and Texas.

As a whole, the solar industry's 2010 market value grew 67 percent from 2009 levels to reach $6 billion, according to information recently released by the Solar Energy Industries Association and GTM Research.

Read the full article here

In the News

- West Virginia Said to Be Considering a Geothermal Energy Future
- Poor Growth Takes Shine Off Renewables
- Done With the Wind
- Monsanto to Make Equity Investment in Algae Fuel Start-Up Sapphire Energy
- Two Energy Companies Team Up to Form Alterra Power

Nuclear News

Featured Download

Benchmarking & Best Practices in Social Media, January 2010

Featured Article

By Darrell Proctor, EUCI

Exxon Mobil Buying Natural Gas, but Still Bullish on Oil

Many oil companies have taken positions in natural gas over the past several months, seeking to take advantage of large new plays such as the Marcellus Shale in the U.S. Northeast and the Niobrara in the Denver-Julesburg Basin in Colorado and Wyoming.

That doesn't mean there's an exodus from oil to gas. Exxon Mobil's chief executive Rex Tillerson made that clear last week at the company's annual meeting of industry analysts in New York.

"There is no bias for us one way or the other," Tillerson said. "At the end of the day, what you put in your bank account are dollars. You don't put oil or gas molecules in the bank account."

Rising oil prices have increased calls for more domestic oil production in the United States in

In the News

- Japan Scrambles to Avert Meltdown at Stricken Nuclear Plant
- U.S. Nuclear Safety in Focus after Japan Quake
- Swiss Suspend Work on Nuclear Plants
- Nuclear Powerhouse

Featured Event

NERC Compliance 2.0: Ensuring Reliability of the Future Bulk Power System

New and emerging technologies will have a significant impact on the bulk power system. Many voices are calling for the implementation of a "smart grid," and the U.S. government is providing funding and incentives to encourage its development. The development and deployment of a smart grid will require changes in system planning, design, and operations. In addition, the push for more renewable energy means almost all new generation being planned and proposed is variable. Meeting reliability expectations with the generation mix of the future will certainly require an immense investment in additional infrastructure.

This conference will explore the following question: Will current methods of bulk power system planning, design, and operation - in conjunction with current reliability standards and enforcement mechanisms - provide a sufficient level of reliability under these changing conditions?

Utility Business News

In the News

- Midwest ISO Sees Benefits if Entergy Joins Grid
- EU May Need Tighter Supply to Avoid CO_2 Slump, Adviser Says
- Energy Risk - Piecemeal Approach to Energy Policy, Energy Executives Deal with It
- GE Completes Acquisition of Lineage Power

Oil, Coal, and Natural Gas News

By Darrell Proctor, EUCI

Canada Pipeline Project Gets Go-Ahead

Canada's National Energy Board has approved a long-delayed $16 billion natural gas pipeline project along a 750-mile route through the Northwest Territories.

Imperial Oil Ltd. is the lead partner in the project, which would connect about a dozen onshore gas fields with markets in North America. The Mackenzie Gas Project, which would run through the Mackenzie Valley, would not be operational until 2018 at the earliest, according to Imperial. If all the approval conditions are met, construction could begin in 2013.

Other partners include the Aboriginal Pipeline Group, a business created and owned by aboriginal groups in the Territories. APG has rights to own a third of the pipeline. Other companies involved include ConocoPhillips Canada, Shell Canada, and Exxon Mobil.

Read the full article here

In the News

- Natural Gas Rises Most in 10 Weeks as Japanese Demand May Gain
- New Method Could Improve Economics of Sweetening Natural Gas
- EPA to Study Effects of Fracking
- Carbon Capture Projects Gain

an effort to bring down higher gasoline prices, seen as a threat to the economic recovery, and reduce dependence on foreign oil. Higher prices for oil also are seen as an opportunity for companies who continue to see depressed prices for natural gas and are reconsidering their investments there.

Read the full article here

Browse Events By Category

- Generation
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- Demand Response, Energy Efficiency
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- Communications/Marketing
- Utility Business and Management
- Human Resources
- Regulatory, Policy and Legal Issues

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Satorius, Mark

From: Satorius, Mark
Sent: Wednesday, March 16, 2011 10:24 AM
To: OST05 Hoc
Cc: Pederson, Cynthia
Subject: RE: Test

if this was a comm check, check sat. no message received.

From: OST05 Hoc
Sent: Wednesday, March 16, 2011 10:25 AM
To: Collins, Elmo; Dean, Bill; McCree, Victor; Satorius, Mark
Subject: Test

Murphy, Martin

From: Murphy, Martin
Sent: Wednesday, March 16, 2011 10:26 AM
To: Murphy, Martin
Subject: Whitepapers

Get whitepapers from Tim and on vendors

Martin Murphy
(b)(6) (BB)

Bozin, Sunny

From: Brenner, Eliot
Sent: Wednesday, March 16, 2011 10:26 AM
To: Nieh, Ho
Subject: Re: Radio Interview

Thanks.
Eliot Brenner
Director, Office of Public Affairs
US Nuclear Regulatory Commission
Protecting People and the Environment
301 415 8200
C: (b)(6)
Sent from my Blackberry

From: Nieh, Ho
To: Herr, Linda; Ostendorff, William; Brenner, Eliot; Hayden, Elizabeth
Sent: Wed Mar 16 10:18:50 2011
Subject: Re: Radio Interview

Eliot, Beth,

We are referring this request to OPA for response.

Thanks,

Ho

Sent via BlackBerry

Ho Nieh
Chief of Staff
Office of Commissioner William C. Ostendorff
U.S. Nuclear Regulatory Commission
(301) 415-1811 (office)
(b)(6) (mobile)
(301) 415-1757 (fax)
ho.nieh@nrc.gov

From: Herr, Linda
To: Ostendorff, William; Brenner, Eliot
Cc: Nieh, Ho
Sent: Wed Mar 16 10:09:53 2011
Subject: FW: Radio Interview

Sir:
I just rec'd this email thru SECY – I have cc:d Eliot Brenner. I'll wait for instructions, if any, from you.
Linda

From: CMROSTENDORFF Resource
Sent: Wednesday, March 16, 2011 10:08 AM
To: Herr, Linda
Subject: FW: Radio Interview

From: Angela Hoffman (b)(6)
Sent: Tuesday, March 15, 2011 7:01 PM
To: CMROSTENDORFF Resource
Subject: Radio Interview

Dear Public Affairs,

Please consider this a formal request for Labor of Commissioner William C. Ostendorff to appear as a guest on "Hutchinson Report" on either his KTYM 1460 AM Radio Show, Friday 9:30 to 10:00 AM PST and/or KPFK 90.7 FM, Saturday, from Noon to 1:00 PM PST. If your schedule does not permit an in studio or telephone guest appearance, we can pre-record an interview at any time or day for any length of time you choose to accommodate your schedule.

We appreciate your consideration.

The Hutchinson Report is one of Southern California's most popular, listened to news and public affairs talk shows on public radio in Southern California. The show is streamed worldwide on ktym.com and kpfk.org and internet TV simulcast on Hutchinsonreport.tv.

We will follow-up by phone within 24 hours to determine your availability.

Thank you
Angela

Angela Hoffman- Program Producer
"The Hutchinson Report"
KPFK 90.7 FM Los Angeles
(b)(6) Direct
(b)(6)
http://thehutchinsonreportnews.com

The Hutchinson Report Communications Network
70 Cities Nationally

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Streamed on http://www.kpfk.org/programs/181-hutchinson-report.html
http://twitter.com/earlhutchinson
View Hutchinson Report TV

on ustream.tv

"Never mistake activity for achievement"

-Coach John Wooden

From: NRC Announcement
To: NRC Announcement
Subject: Daily: 1 New Item from Wednesday, March 16, 2011
Date: Wednesday, March 16, 2011 10:30:58 PM

NRC Daily Announcements Highlighted Information and Messages

Wednesday March 16, 2011 -- Regional Edition

Employee Resources: 2011 Federal Long Term Care Insurance Program Open Season

Employee Resources: 2011 Federal Long Term Care Insurance Program Open Season

Announcing the 2011 Federal Long Term Care Insurance Program Open Season: April 4 through June 24, 2011.

The Federal Long Term Care Insurance Program (FLTCIP) is conducting an Open Season this spring from
April 4 through June 24, 2011.

What is Long Term Care?

- Long term care is the care you need if you cannot perform activities of daily living (such as bathing and is generally not covered by health insurance, including FEHB or Medicare.
- The FLTCIP can help protect you from the high costs of this care. FLTCIP insurance is comprehensive, covering care provided in a variety of settings, including at home, in an assisted living facility, in a nursing home, and in other settings.
- The FLTCIP provides coverage if you require care in a country outside the United States. Some restrictions apply.

What makes this opportunity so special?
During the FLTCIP Open Season, you can apply using the abbreviated underwriting application (you answer fewer health questions.) This is the first abbreviated underwriting opportunity for new applicants since 2002.

Eligibility
Abbreviated underwriting is available for actively at work Federal and U.S. Postal Service employees (civilian workforce members) and their spouses/same-sex domestic partners and active members of the uniformed services and their spouses who are not currently enrolled in the FLTCIP. Non-enrolled annuitants and other qualified relatives can apply for coverage at any time, but must complete a full underwriting application.

Take action today

- Visit the FLTCIP Wetsite to learn more.

- Have a Certified Long Term Care Insurance Consultant call you.
- Apply now or request a FLTCIP Open Season abbreviated application.*
- Attend an onsite FLTCIP Open Season workshop– check with your Benefits contact to see if the FLTCIP is conducting workshops in your area.
- Register for the FLTCIP Open Season webinar – **April 27th at 1 p.m. Eastern Time**.

  If you cannot view the live event, you can still view the archived event for 60 days, but you must register before April 5th, 2011.

For more information on the FLTCIP Open Season
Visit the FLTCIP Wetsite or call **1-800-LTC-FEDS** (1-800-582-3337) TTY 1-800-843-3557

For information on the LTC open season please contact the following NRC representatives.

Headquarters	Lisa Williams	301 415-1436
Region I	Riqueza Marziale	610-337-5174
Region II	Shelia Willis	404-997-4844
Region III	Christine Martinez	630-827-9625
Region IV	Sandy Lindsay	817-860-8237

(2011-03-16 00:00:00.0) View item in a new window

The latest Announcements are always on the NRC@WORK Home Page.

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Frequently Asked Questions About the NRC Daily Announcements Email

From:	Camper, Larry
To:	Grobe, Jack
Subject:	RE: Greetings
Date:	Wednesday, March 16, 2011 10:36:41 AM

Absolutely! Thanks.

From: Grobe, Jack
Sent: Wednesday, March 16, 2011 10:24 AM
To: Camper, Larry
Subject: Re: Greetings

Larry

Thanks for the very nice and gratifying note. I have note had the opportuniy to work with you for some time. Your support and leadership was invaluable. We should grab lunch sometime.
Jack Grobe, Deputy Director, NRR

From: Camper, Larry
To: Grobe, Jack
Sent: Wed Mar 16 09:42:20 2011
Subject: Greetings

Jack,
I want to tell you how impressed I was with your command of the ET last evening. You provided excellent leadership while also seeking to improve the overall process. Well done! I enjoyed working with you!

Murphy, Martin

From: Huang, Eugene
Sent: Wednesday, March 16, 2011 10:40 AM
To: Murphy, Martin
Subject: RE: OIG action item for review

Okay, thank you. Please try to have them to us by the end of this week as we have to move forward with our next revision.

From: Murphy, Martin
Sent: Monday, March 14, 2011 2:41 PM
To: Huang, Eugene
Subject: RE: OIG action item for review

Yes we have comments and we are finalizing them

From: Huang, Eugene
Sent: Monday, March 14, 2011 8:42 AM
To: Murphy, Martin
Cc: Rasmussen, Richard
Subject: RE: OIG action item for review

Good morning Marty,

I just wanted to follow up to see if your branch had any comments that you would like us to incorporate into the strategy document.

Thanks,
Eugene

From: Rasmussen, Richard
Sent: Wednesday, March 02, 2011 1:08 PM
To: Huang, Eugene
Subject: FW: OIG action item for review

From: Murphy, Martin
Sent: Wednesday, March 02, 2011 1:07 PM
To: Rasmussen, Richard
Subject: RE: OIG action item for review

OK, we will certainly try for that.

From: Rasmussen, Richard
Sent: Wednesday, March 02, 2011 1:05 PM
To: Murphy, Martin; Huang, Eugene
Subject: RE: OIG action item for review

Marty,

Could we get something by the end of next week? We are at the point that we need to start crafting our update for the OIG.

Rick

From: Murphy, Martin
Sent: Wednesday, March 02, 2011 1:01 PM
To: Huang, Eugene
Cc: Rasmussen, Richard
Subject: RE: OIG action item for review

We will take a look at it and let you know. By what date are you looking for the comments?

From: Huang, Eugene
Sent: Wednesday, March 02, 2011 11:09 AM
To: Murphy, Martin
Cc: Rasmussen, Richard
Subject: FW: OIG action item for review

Hi Marty,

Do you or anyone from the NRR vendor branch have any comments related to our strategy document?

Thanks,
Eugene Huang

From: Rasmussen, Richard
Sent: Friday, February 25, 2011 8:24 AM
To: Murphy, Martin; Tappert, John; Dudes, Laura; Shuaibi, Mohammed
Cc: Peralta, Juan; Huang, Eugene
Subject: OIG action item for review

All,

The attached is our proposal for addressing the OIG item related to outreach and communications. We believe that the actions are reasonable, achievable (not free, they will require work), and answer the OIG concerns. Please review and provide comments.

Thanks,
Rick

Richard Rasmussen
Chief, Quality and Vendor Inspection Branch B
Office of New Reactors
U.S. NRC
301-415-1340
richard.rasmussen@nrc.gov

From: Wyatt, Melissa
To: EDO Distribution
Subject: FYI - Training: Additional Acquisition Project Manager Training Workshops Posted in iLearn
Date: Wednesday, March 16, 2011 10:40:56 AM
Importance: High

Additional Acquisition Training has been added for Active Project Managers in iLearn. Please see additional information below.

Thanks,
Melissa

From: Cooper, Carolyn
Sent: Tuesday, March 15, 2011 7:08 PM
To: Training Coordinators; Adelstein, Patricia; Ake, Jon; Alemu, Bezakulu; App, Daniel; Appignani, Peter; Arlt, Hans; Armstrong, Kenneth; Arrighi, Russell; Azariah-Kribbs, Keith; Bajwa, Chris; Ballam, Nick; Banas, Paul; Barr, Cynthia; Basu, Sudhamay; Bayssie, Mekonen; Bazian, Samuel; Beatty, John; Bellinger, Alesha; Beltz, Guy; Bender, Marianne; Benney, Kristen; Biernik, James; Blair, Meghan; Blakeney, Catherine; Blount, Barbara; Bone, Alysia; Boone, Sharon; Boyd, NancyTurner; Brady, Denis; Brosky, Kathleen; Brown, Cris; Brown, Vickie; Bucher, April; Burdine, Eugene; Carpenter, Robert; Carr, Trisha; Carrier, William; Carsley, Leonard; Cavanaugh, James; Centeno, Rafael; Chamberlin, Nancy; Champion, Bryan; Champion, Tanya; Chang, Helen; Chang, James; Chapeton, Angelina; Chapman, Karen; Cheng, May; Chicca, Gregory; Choudhury, Roy; Clark, Tracy; Clayman, Lew; Clement, Richard; Cloyd, SherVerne; Cooper, Susan; Coplin, Seth; Crawford, Lynn; Csontos, Aladar; Cunningham, Elinor; Curtis, David; Curtis, Michelle; Cusseaux, Susan; DAbate, David; Dabbs, Bill; Daniel, Richard; Danoff, Karen; Dawood, David; Deavers, Ron; DeMarco, Deborah; Deucher, Joseph; Dexter, Robert; Doan, Brian; Dodmead, James; Dofat, Randell; Doornbos, Roger; DuBose, Brenda; Eaton, Bobby; Eng, Patricia; Eskandary, Aldo; Evans, Mark; Everly, JKeith; Fahey, MaryKay; Farzam, Farhad; Feibus, Jonathan; Felsher, Harry; Fenton, Darlene; Figueroa, Gladys; Figueroa, Roberto; Finglass, Jack; Flanders, Rhea; Flynn, Sean; Focht, Eric; Fortune Grasty, Tojuana; Fredericks, Carl; Fretz, Robert; Gibson, Lauren; Gingrich, Chester; Gladhill, Vicki; Glaros, Rachel; Gold, Meg; Golshan, KG; Gonzalez, Michelle; Greene, LaTosha; Greene, Tyrone; Grenier, Bernard; Griffin, James; Griffin, Janice; Griffin, Steven; Griffis, Jeff; Grodin, Maryann; Gutteridge, John; Hall, Patricia; Hannum, Karyn; Haq, Salman; Harrington, Ronald; Harris, William; Harrison, Thomas; Hayden, Elizabeth; Hayden, Susan; Helton, Donald; Herrera, Marisa; Herron, Bill; Hsu, Kaihwa; Hudson, Nathanael; Huffert, Anthony; Hughes, Helen; Hull, Amy; Iqbal, Naeem; Ireland, Andrew; Jones, Evan; Jones, Jackie; Jones, Kevin; Jones, Susan; Kelsh, Janice; Kerben, Valerie; Khan, Omar; King, Michael; Kinney, Penelope; Kline, Kevin; Knox-Davin, Edna; Konzman, Carl; Kundrat, Christine; Kuritzky, Alan; Lai, Sandra; Lam, Donna; Lane, John; Laughlin, Jeff; Lawson, Joe; Lee, Bert; Lee, Jun; Leschek, Walter; Lewis, Doris; Lilley, Joanna; Lobe, Jon; Lopez, George; Lynn, Henry; Machalek, Woody; Madison, Wil; Madni, Imtiaz; Mahoney, Darlene; Main, Jeffrey; Manning, Louis; Marshall, Shawn; Mattingley, Joel; McCarthy, James; McCubbin, Sharlene; McDevitt, Joan; Montgomery, Carlos; Morris, James; Moses, Kay; Moy, Romena; Murphy, Andrew; Murray, Christopher; Neff, Randi; Nguyen, Kenny; Nicholson, Jackie; Noory, Roya; Norkin, Donald; Oliveto, Betsy; O'Neal, Don; Orlando, Dennise; Patterson, Tira; Petsch, Judy; Peyton, James; Picon-Colon, Reinaldo; Pinckney, David; Pires, Jose; Poland, Timothy; Rakovan, Lance; Ramsey, Jack; Rathbun, Howard; Reeves, Rosemary; Resner, Mark; Rhodes, Bebbie; Ricci, John; Ridgely, Bruce; Rivas, Audrey; Rivera-Lugo, Richard; Robb, Claire; Robinson, Gary; Rough, Richard; Royal, Judith; Rudland, David; Rupinta, Shane; Saba, Mohammad; Sage, Alan; Saint, Gloria; Salomon, Arthur; Salter, Susan; Santos, Cayetano; Schmit, Matthew; Schneider, Linda; Scott, Harold; Secor, Christine; Seeherman, Judy; Seltzer, Rickie; Shaikh, Samina; Shnayder, Yana; Shuaibi, Mohammed; Shyu, Eugenia; Simpkins, Douglas; Simpler, Gary; Smercak, Janet; Smith, Cathy; Smith, James; Smith, Tuwanda; Sollenberger, Dennis; Solorio, Dave; Solorio, Ilka; Spiro, Harvey; Stang, Annette; Stansbury, Reginald; Stetson, Kathleen; Strong, Diana; Sulser, David; Sun, Casper; Suto-Goldsby, Lori; Sydnor, Russell; Taylor, Chutima; Tegeler, Bret; Tene, Kimberly; Tharp, Doug; Thomas, James; Thweatt (ADM), JoAnne; Tien, Kirk; Titherington-Buda, Sherry; Tran, Tu; Valencia, Sandra; Valentin, Milton; Vick, Lawrence; Wade, Shantece; Walker, John; Waterman, Michael; Welkie, Andrew; Williams, Barbara; Williams, Michael; Williams, Tamera; Wood, Becky; Wood, Gene; Wood, Jeffery; Wood, Stanley; Wucher, John; Yee, Linda; Yimam, Menelik
Cc: Narick, Marianne; McPherson, DeNedra; Barror, Camilla; Easson, Pamela; Schultz, Eileen; Clarkson,

Sharon; Kinney, Penelope; Atsalinos, Mike; Rivas, Audrey; Flack, Jennifer; Rini, Brett; Crutchley, Mary Glenn; Coleman, Judy; Wyatt, Melissa; Tenaglia, Mickey; Lee, David; McDevitt, Joan; Nute-Blackshear, Lora; Butler, Rodney; McGill, Clinton
Subject: Additional Acquisition Project Manager Training Workshops Posted in iLearn
Importance: High

Good Morning,

This is to notify you that additional offerings of Workshops 3, 4, 5, and 12 have been added to iLearn and are NOW available for registration. Please be advised that all "**active**" project managers are required to complete these additional training requirements no later than the June 30, 2011 deadline. "**Active**" project managers are those PMs who are currently monitoring an active contract and these workshops are reserved for those PMs only.

I highly recommend that you register for the courses that you need as soon as possible because classes will probably fill up fast.

Thank you.

Carolyn A. Cooper
Acquisition Career Manager
Division of Contracts
Office of Administration

From: Tracy, Glenn
To: Dorman, Dan; Casto, Chuck; Grobe, Jack; Burns, Stephen; Stewart, Sharon
Cc: Buchholz, Jeri; Powell, Dawn; Cohen, Miriam
Subject: OEDO ACTION ON SBCR REHIRED ANNUITANT / MEETING ON FRIDAY
Date: Wednesday, March 16, 2011 10:45:51 AM

Advisory Group Colleagues:

Look forward to seeing all of you this Friday. Fully realizing the impact of the Japan event and response, if you cannot attend, I request notification. I have asked Len wert to sit in for Chuck, but know that Jack and Dan are extensively supporting the event. There are some important matters to discuss, as well as updates on current agency projections in light of recruitment actions in offices below the current 103% thresholds.

(b)(5)

Secondly, OEDO (Darren Ash) has authorized SBCR's requested extension of Marva Gray's appointment for three months.

(b)(5)

All the best, Glenn

From: Saah, Lauren.
To: NRR_DPR Distribution
Subject: Delegation of Authority for Stacey Rosenberg
Date: Wednesday, March 16, 2011 10:49:24 AM

March 16, 2011

MEMORANDUM TO: Timothy J. McGinty, Director
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

FROM: Stacey L. Rosenberg, Chief
Generic Communications Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

SUBJECT: DELEGATION OF AUTHORITY

While I am in the Headquarters Operations Center Wednesday, March 16, 2011 through Friday, March 18, 2011. Eric Bowman will serve as the Acting Chief for the Generic Communications Branch. Mr. Bowman is located at 12H9- and can be reached at 301-415-2963, or via email eric.bowman@nrc.gov

CONTACT: Stacey L. Rosenberg, NRR/DPR
301-415-2357

From: Rothschild, Trip
To: Haney, Catherine
Cc: Hirsch, Patricia
Subject: RE: Congressional request for Yucca documents
Date: Wednesday, March 16, 2011 10:59:37 AM

(b)(5)

From: Hirsch, Patricia
Sent: Wednesday, March 16, 2011 10:53 AM
To: Haney, Catherine; Rothschild, Trip
Subject: RE: Congressional request for Yucca documents

(b)(5)

Pat Hirsch
Assistant General Counsel for Legal Counsel,
Legislation and Special Projects
Mail Stop O-15 D21
301-415-0563

From: Haney, Catherine
Sent: Wednesday, March 16, 2011 10:47 AM
To: Hirsch, Patricia
Subject: RE: Congressional request for Yucca documents

(b)(5)

From: Hirsch, Patricia
Sent: Wednesday, March 16, 2011 10:46 AM
To: Haney, Catherine; Schmidt, Rebecca; Droggitis, Spiros; Poole, Brooke; Vietti-Cook, Annette; Muessle, Mary; Weber, Michael; Ash, Darren; Nichols, Russell; Sealing, Donna; Holonich, Joseph; Powell, Amy; Young, Mitzi; Burns, Stephen; Rothschild, Trip; Itzkowitz, Marvin; Dorman, Dan; Batkin, Joshua; Coggins, Angela; Clark, Lisa; Sharkey, Jeffry; Reddick, Darani; Sosa, Belkys; Davis, Roger; Bubar, Patrice; Bupp, Margaret; Nieh, Ho; Zorn, Jason; Crockett, Steven; Croston, Sean; Suttenberg, Jeremy; Cordes, John
Subject: Congressional request for Yucca documents

Hopefully, you have all seen the yellow announcement that was posted yesterday concerning the House Committee on Oversight and Government Reform request for information and documents concerning Yucca. (if you haven't, I have pasted it below, and I attached the Committee's request)
First order of business is to get from each of you an estimate of a reasonable date you can provide OGC your responsive documents, or in some instances, the requested timelines.

While the request itself set the 23rd of March as the due date for most of the documents, and April 1, for the delivery of the un-redacted SER volume 3, I understand that the committee staff has indicated these dates can be pushed back a while due to the emergency in Japan.

Notwithstanding the fact that my name is on the yellow announcement as the point of contact, it will actually "take a village" to get this done. In OGC, Sean Croston and Jeremy Suttenberg will be staffing this with me, if I am out, Steve Crockett will be acting for me.

I know everyone is busy and I really appreciate everyone's cooperation with this task. Thanks!

Pat Hirsch
Assistant General Counsel for Legal Counsel,
Legislation and Special Projects
Mail Stop O-15 D21
301-415-0563

Announcement No. 033

Date: March 15, 2011

To: **All NRC Employees**

SUBJECT: DOCUMENT HOLD INSTRUCTIONS RE: YUCCA HIGH LEVEL WASTE REPOSITORY

The House of Representatives Committee on Oversight and Government Reform has requested documents and information related to the Yucca High-Level Waste Repository matter. NRC employees are directed to maintain all pertinent documents falling within the scope of the request, which is described below. Requested records, documents, data, or information should not be destroyed, modified, removed, transferred or otherwise made inaccessible. The request includes documents or information in your possession or control or held by employees or agents acting on your behalf. The request includes electronically stored information (ESI) which is the preferred format, as well as hard copies of documents.

What You Need to Do

It is your responsibility to ensure that any potentially relevant information related to this matter/case that is within your possession, custody, or control, is preserved and not destroyed, even if the policy or practice of your office would normally dictate otherwise.

What Must Be Preserved

The information that must be preserved includes Electronically Stored Information ("ESI"), hard copies of documents, and tangible things. ESI includes, but is not limited to, computer files of any type (word processing documents, e-mail messages, spreadsheets, calendar entries, and flash memory media, including USB drives and memory cards). It includes not only information stored on NRC computers but can also include information stored on home computers, personal laptop

computers, PDAs such as Palm Pilots and Blackberries, and mobile phones, if used for NRC work.

All information, including privileged information, must be preserved.

If you identify responsive documents, you will receive additional instructions for producing this information for provision to the Committee. In the meantime, please carefully review this e-mail and preserve all materials in accordance with these instructions.

Thank you in advance for your cooperation in this matter. If you have any questions regarding which materials should be preserved or how they should be preserved, or suggestions, please do not hesitate to contact Patricia Hirsch, Assistant General Counsel for Legal Counsel, Legislation and Special Projects at 301-415-1607 or by e-mail.

RECORDS and INFORMATION REQUESTED:

1. A timeline of significant events related to the Commission's review of the ASLB's decision on DOE's motion to withdraw the license application,
   Including, but not limited to the following:
   a) Filing of each Commissioner's vote
   b) Withdrawal of any Commissioner's vote
   c) Active deliberation or discussions between Commissioners or their staffs.

2. Documents and communications, including e-mails, relating to the Commission's review of the ASLB's decision on DOE's motion to withdraw the license application.

3. Documents and communications, including e-mails, relating to reasons for the delay between the filing of the final Commissioner's vote and the scheduling of the affirmation session.

4. A timeline of all significant events related to the "orderly closure" of the High-Level Waste Program and the use of Nuclear Waste Fund resources under the Continuing Resolution, including but not limited to the following:
   a) Communication to or among the Commissioners or their respective staffs
   b) Internal communication to NRC staff

5. Documents and communications, including e-mails, relating to all significant dates concerning the "orderly closure" of the High-Level Waste Program and the use of Nuclear Waste Fund resources under the Continuing Resolution.

6. Documents and communications, including e-mails, exchanged among or originated by the Commissioners, their respective staffs, and the Commission staff relating to the funding of the High-Level Waste Program in FY2011. This request includes any reviews or recommendations provided by the Office of the General Counsel.

7. Documents and communications including e-mails exchanged among or originated by the Commissioners, their respective staffs, and Commission staff relating to the release of Volume III of the SER.

8. A statement by each individual responsible for reviewing and signing Volume III of the SER specifying whether he/she received the document for final concurrence and whether and when he/she gave that concurrence.

9. Documents and communications, including e-mails, related to the decision to develop a

report separate from the SER to document the NRC staff's technical review activities completed to date.

10. Volume III of the SER, in un-redacted form.

/RA/

Stephen G. Burns
General Counsel

From: (b)(6)
To: Haney, Catherine
Subject: RE: (b)(6)
Date: Monday, March 14, 2011 11:04:55 AM

(b)(6)

(b)(6)

(b)(6)

Satorius, Mark

From: Pederson, Cynthia
Sent: Wednesday, March 16, 2011 11:12 AM
To: Satorius, Mark
Subject: Good news on Ken

(b)(6)

Cindy

Cynthia D. Pederson
Deputy Regional Administrator
US Nuclear Regulatory Commission
Region III
630-829-9658

From: Bailey, Marissa
To: Coe, Doug
Subject: RE: Scripts Used for the Supervisory Workshop on Performance Communications
Date: Wednesday, March 16, 2011 11:14:54 AM

Do you still have the script? I don't.

From: Tallarico, Alison
Sent: Tuesday, March 15, 2011 2:40 PM
To: Bailey, Marissa; Coe, Doug; Baker, Pamela; Landau, Mindy; Rajnic, Cecilia; Ficks, Ben
Subject: Scripts Used for the Supervisory Workshop on Performance Communications

Hello all,

OPM asked about the performance workshop we conducted last September, and specifically requested a copy of the scripts used for the role-playing sessions. I had received the synopses w/ the key messages, but we were hoping to share the actual scripts. If you all still have them, could you e-mail them to me for sharing w/ my OPM contact?

Thanks
Alison
301-492-2326

From:	Wall, Yvonne
To:	Boger, Bruce
Subject:	Out of Office: Deputy Regional Administrator (DRA) Monthly Call
Date:	Wednesday, March 16, 2011 11:18:14 AM

I am not in the office on Monday 3/14 but I will be back on Tuesday 3/15. For assistance please contact Fatima Aragon.

Thanks

From:	Smith, James
To:	Rodgers, Mary; Negrin, Darlene; FCSS_Document_Processing Resource; Bailey, Marissa; Tschiltz, Michael
Cc:	Pulliam, Timothy; Kim, Sunny; Sakadales, Antoinette; Dorman, Dan; Haney, Catherine; Kinneman, John; Kokajko, Lawrence; Ordaz, Vonna; Tschiltz, Michael; Bailey, Marissa; Benner, Eric; Davis, Jack; Mohseni, Aby; Smith, Brian; Weaver, Doug; Jones, Sam; Fitch, Karen; Easson, Pamela; Jones, Kimberly; Berry, Rollie; Chidichimo, Gabriele; Cooper, LaToya; Damiano, Debra; FCSS_Document_Processing Resource; Ford, William; Gallardy, Vivian; Parker, Nicole; White, Bernard; Smith, Shawn; Smith, Brian; Habighorst, Peter; Johnson, Robert; Silva, Patricia; Hiltz, Thomas; Campbell, Larry
Subject:	RE: FY 2011 Mid-Year Senior Performance Officer (SPO) Assessment (NMSS201100079/NMSS-2011-0023) - closes task 2
Date:	Wednesday, March 16, 2011 11:24:26 AM
Attachments:	NSIR 2011 SPO MidYear by NMSS.doc OE 2011 SPO MidYear by NMSS.doc RII 2011 SPO MidYear by NMSS.doc FSME 2011 SPO MidYear by NMSS.doc

---

Darlene-

Attached are copies of the files that FCSS compiled for its primary office responsibilities. The originals have been save on the S:\drive per the Timeline provided with the ticket. This completes Task 2, due noon March 16, 2011.

From: Rodgers, Mary
Sent: Tuesday, February 22, 2011 12:23 PM
To: Negrin, Darlene; Smith, Shawn; Jones, Sam; Fitch, Karen; Easson, Pamela; Jones, Kimberly; Berry, Rollie; Chidichimo, Gabriele; Cooper, LaToya; Damiano, Debra; FCSS_Document_Processing Resource; Ford, William; Gallardy, Vivian; Parker, Nicole; Rodgers, Mary; Smith, James; White, Bernard
Cc: Pulliam, Timothy; Kim, Sunny; Sakadales, Antoinette; Dorman, Dan; Haney, Catherine; Kinneman, John; Kokajko, Lawrence; Ordaz, Vonna; Tschiltz, Michael; Bailey, Marissa; Benner, Eric; Davis, Jack; Mohseni, Aby; Smith, Brian; Weaver, Doug
Subject: FY 2011 Mid-Year Senior Performance Officer (SPO) Assessment (NMSS201100079/NMSS-2011-0023)

Ladies/Gentlemen:

Please print the attached NMSS tickets and action. Please pay attention to due dates noted on FY 2011 Timeline Ticket.doc.

First Task:

Due to POC: 03/11/2011

Second Task:

Due to NMSS: noon 3/16/2011; revisions due NLT cob: 3/30/11

Third Task:

Due to OEDO: 04/15/2011

Memo can be found in ADAMS package: ML110350519

From: Negrin, Darlene

Sent: Friday, February 18, 2011 1:02 PM
To: Rodgers, Mary
Subject: ACTION: SPO Timeline for ticket as well as Division POCs document

Please prepare the ticket and send out ASAP. Both documents will need to go out to all Division POCs.

Darlene T. Negrin
NMSS/PBPA
301-492-3558

"THE MIND IS LIKE A PARACHUTE,
IT WORKS BEST WHEN IT'S OPEN."

FY 2011 Mid-Year Assessment of Offices

PRIMARY ASSESSMENT OF NSIR by NMSS

NSIR continued to provide excellent support of Fuel Cycle Facilities in Rulemaking and protection of classified information.

Supporting Remarks:

- Excellent support for developing the draft Part 74 rule for material control and accounting.
- Continues to provide outstanding support in the area of classified information protection.
- Excellent support in resolving gaps for the regulatory basis document on reprocessing rulemaking activities.
- Has provided good support of NFS emergency plan revisions and physical security reviews to support license renewal.
- Outstanding efforts in communication and working to keep other offices engaged on the Spent Nuclear Fuel Transportation Security Rule and Tribal Notification Rule.

Areas for Improvement:

None-

FY 2011 Mid-Year Assessment of Offices

PRIMARY ASSESSMENT OF OE by NMSS

- OE provided timely advice and support for FCSS enforcement actions.

Supporting Remarks:

- OE staff was available, responsive and helpful when support was requested for escalated cases.
- Has provided good support of NFS enforcement panels, ADR negotiations, and safety culture oversight at NFS.
- Outstanding leadership in coordinating the development of the proposed Safety Culture Policy Statement (SCPS) leading to subsequent approval of the SCPS by the Commission.
- Outstanding support reviewing a Holtec inspection report on short notice to assess enforcement options.
- Excellent support on developing a Regulatory Issue Summary notifying licensees and certificate holders of where they can find enforcement actions taken against individuals to inform hiring decisions.
- Outstanding support for coordinating the resolution of very complex escalated enforcement actions involving import/export transportationfor Foss Therapy Services. Additionally, OE provided great support to NMSS on the AREVA Individual escalated enforcement action involving falsified references and date stamps on United Kingdom transit documents.

Areas of Improvement:

None

FY 2011 Mid-Year Assessment of Offices

ASSESSMENT OF REGION II by NMSS

RII continued its excellent support of Fuel Cycle Facilities Safeguards and Inspection issues.

Supporting Remarks:

- Excellent support in completing the review and revision of MC&A Inspection Procedures as part of corrective actions to OIG Audit, OIG-09-A-19, *Audit of NRC's Material Control and Accounting Security Measures for Special Nuclear Materials at Fuel Cycle Facilities.*

- Excellent support for planned MC&A inspections at licensee facilities.

- Excellent support in the development of the ISA/PRA comparison paper. RII provided timely and value added comments.

- Outstanding management and staff coordination with NMSS and among the other regions on spent fuel storage inspection activities, including event follow-up and follow-up on generic issues associated with thermal limitations during vacuum drying and seismic restraints during fuel transfer.

- Has provided great support of challenging NFS safety culture oversight and reactive inspections, while continuing to meet routine inspection requirements at NFS. This has included several public meetings with a high level of public interest.

Areas of Improvement:

- NMSS and Region II need to move toward a more open and collaborative relationship. Examples where more openness and collaboration were needed include the need for early communication, coordination and alignment on the revised LPR process, changes at the last minute to the WEC EA, coordination with NEI on CAP, etc.

FY 2011 Mid-Year Assessment of Offices

PRIMARY ASSESSMENT OF FSME by NMSS

- Continued excellent support for Fuel Cycle Facilities in Rulemaking and notification of FSME licensees of Safeguards requirements

Supporting Remarks:

- Excellent support in facilitating communications to in-situ recovery facilities, uranium mills and Agreement State licensees on issues related to (1) reporting requirements, and (2) complementary access visits by the International Atomic Energy Agency (IAEA) as required under the U.S.-IAEA Additional Protocol.

- Excellent support in developing the draft Part 74 rule and support of the Part 74 rulemaking working group.

- Good support in the developing of the Part 40 rulemaking to address Australian Obligated nuclear materials.

- Outstanding support in participating on the branch chief's Advisory Group to assure acceptable closure of regulatory gaps and completion of the regulatory basis document and developing the environmental technical report for the reprocessing rulemaking activities.
-
- Provided good support of a challenging NFS renewal application. This included preparing an environmental assessment while managing high public interest.

- Outstanding coordination of revisions to 10 CFR Part 72 to allow 40-year license terms and upgrading to newer amendments by general licensees.

- Excellent support provided in Part 71 rulemaking for compatibility with IAEA transportation standards such as revising schedules and engaging working group members.

- Excellent communication provided in 10 CFR 73.37 Spent Nuclear Fuel Transportation Security Rulemaking.

- Excellent communication, organization and schedule provided in the Tribal Notification Rule.

- Excellent support for spent fuel storage rulemakings such as NUHOMS HD Amendment 1 and MAGNASTOR Amendment 2.

Areas for Improvement:

- Although a couple of meetings were coordinated by FSME staff the progress on Part 40 rulemaking to address Australian Obligated nuclear materials has been slower than anticipated given the few issues identified were resolved quickly by the working group member.

- Provided marginal support of decommissioning actions. Although decommissioning actions have been low priority, it has been difficult to get FSME to provide timely feedback on the need to continue split sampling at NFS, and the adequacy of final status surveys from NFS.

From: Ross, Robin on behalf of Boyer, Rachel
To: NRR Distribution; Chang, Helen; Christoffer-Baruch, Gail; Cianci, Sandra; DeBose, Michelle; Gaskins, Farrah; Greenwood, Carol; Jenifer, Phyllis; King, Ikeda; Kratchman, Jessica; Moore, Wendy; Ross, Robin; Shepard, Alice; Simpson, JoAnn; Tannenbaum, Anita; Yilma, Haimanot; Boger, Bruce; NRR_Leave_Calendar Resource; NRR_ET_Activity Resource
Subject: FW: FWPAC Women"s History Month Event
Importance: High

When: Wednesday, March 16, 2011 11:30 AM-12:30 PM (GMT-05:00) Eastern Time (US & Canada).
Where: Commissioner's Hearing Room

Note: The GMT offset above does not reflect daylight saving time adjustments.

~~*~*~*~*~*~*~*~*~*

-----Original Appointment----
From: Boyer, Rachel
Sent: Tuesday, February 22, 2011 4:50 PM
To: Boyer, Rachel; Chang, Helen; Christoffer-Baruch, Gail; Cianci, Sandra; DeBose, Michelle; Gaskins, Farrah; Greenwood, Carol; Jenifer, Phyllis; King, Ikeda; Kratchman, Jessica; Moore, Wendy; Ross, Robin; Shepard, Alice; Simpson, JoAnn; Tannenbaum, Anita; Yilma, Haimanot; Boger, Bruce; NRR_Leave_Calendar Resource; NRR_ET_Activity Resource
Subject: FWPAC Women's History Month Event
When: Wednesday, March 16, 2011 11:30 AM-12:30 PM (GMT-05:00) Eastern Time (US & Canada).
Where: Commissioner's Hearing Room
Importance: High

When: Wednesday, March 16, 2011 11:30 AM-12:30 PM (GMT-05:00) Eastern Time (US & Canada).
Where: Commissioner's Hearing Room

Note: The GMT offset above does not reflect daylight saving time adjustments.

~~*~*~*~*~*~*~*~*~*

Laur, Steven

From: Wittick, Brian
Sent: Wednesday, March 16, 2011 11:35 AM
To: Laur, Steven
Cc: Cheok, Michael; Lee, Samson
Subject: FW: CTS-SRM-S11-0014
Attachments: CTS-SRM-S11-0014.docx; SRM 03-15 SECY-11-0014.docx

Steve,

Attached is the SECY proposed action items resulting from the CAP SRM. I understand from talking to Mike Cheok that you have lead for the action items identified in the second paragraph of the SRM, and the second item noted on the SECY action list.

I am looking for inputs on the task description, deliverable, and proposed due date. Please also note that the SECY tracking list only identified one of the multiple taskings specified in the second paragraph of the SRM.

Please let me know when you are available to discuss (I will be on the night shift the next couple days).

Thanks,

Brian Wittick
Executive Technical Assistant for Reactors
Office of the Executive Director for Operations
U.S. Nuclear Regulatory Commission
301-415-2496 (w); (b)(6) (c)

From: RidsEdoDraftSrmVote Resource
To: Wittick, Brian
Sent: Tue Mar 15 14:21:17 2011
Subject: FW: CTS-SRM-S11-0014

Brian,

See SECY tasking sheet for 03/15/11 SRM to SECY-11-0014. Please let me know as soon as possible that it is okay for the action to be tasked to the assigned office and that there are no additional OEDO tasking that need to be tracked from this SRM. When responding, please indicate:

(1) the EDO due date;
(2) type of response (SECY paper, memo, etc.); and
(3) signature level of response (EDO, OD, etc.).

ACS will make sure that SECY is in agreement. Thank you.

Denise

From: Shea, Pamela
Sent: Tuesday, March 15, 2011 1:26 PM
To: RidsEdoDraftSrmVote Resource
Cc: Bavol, Rochelle; Laufer, Richard; Andersen, James; Landau, Mindy
Subject: CTS-SRM-S11-0014

See attached CTS.

Thanks,
Pam

STARS Report Manager - [Report: rpt_TasksWithComments]

File Window Help

Close Report | Print Setup | Exit to STARS

OFFICE OF THE SECRETARY
COMMISSION TRACKING SYSTEM

Mar 15, 2011 13:20

Page No: 1

SRM-S11-0014

CURRENT DUE	TASK DESCRIPTION	ACTION OFFICE	CROSS REFERENCE	DOCUMENT/ SRM DATE	TASK NO.	STATUS/ PRIORITY	INITIAL DUE/ DAYS EXTENDED

(b)(5)

Page 28

Page: 1

Ready

Start | ADAMS Do... | 5 Micros... | 4 Windo... | DOCS Open | STARS | ADAMS Find | STARS Re... | 2 Micros... | 1:22 PM

From:	Padilla, William
To:	Trapp, James
Cc:	Rich, Thomas; Paradiso, Karen; Bell, Marvin; Mobley, Helen; Lopez, George; Bearde, Diane
Subject:	GETS Card
Date:	Wednesday, March 16, 2011 11:38:28 AM
Attachments:	GETS Emergency Card - Trapp.doc

Mr. Trapp,

Attached is an e-copy of your GETS card with basic dialing instructions. More detailed documentation can be found at http://gets.ncs.gov/docs/GETS%20Wallet%20Guide%201-09.pdf and http://gets.ncs.gov/docs/GETS%20User%20Guide%201-09.pdf. Your card number is: (b)(6) (b)(6)

If you need further assistance, let me know.

Regards,
Bill

William Padilla Jr.
Telecommunications Specialist
OIS/ICOD/COTB - Telecommunications Team
Mailstop: T-5D14
Tel: 301-415-7250
BB: (b)(6)
Fax: 301-415-5077
email: William.Padilla@nrc.gov

U.S.NRC
Protecting People and the Environment

GETS Card Image For Emergency Distribution

Date Issued: 3/16/2011

Government Emergency Telecommunications Service

PIN: (b)(6)

Name: James Trapp
Organization: NRC

GETS

Dial 1-710-NCS-GETS (627-4387)

At the tone, enter your PIN
When prompted, dial your destination number (area code + number)

If you cannot complete a call, use a different long distance carrier:

AT&T:	1010 + 288	+1-710-627-4387	-or- 1-888-288-4387
Verizon:	1010 + 222		-or- 1-800-900-4387
Sprint:	1010 + 333		-or- 1-800-257-8373

WPS

From a Wireless Priority Service enabled device:
Dial *272 before any call, including a GETS call.

Assistance: For help or to report trouble, dial 1-800-818-GETS (4387) or 703-818-GETS (4387)	**Familiarization Calls:** Make periodic GETS calls using 703-818-3924 as the destination number
www.ncs.gov	**US GOVERNMENT PROPERTY.** If found, return to: DHS (Attn: NPPD/CS&C/NCS/GETS) 245 Murray Lane SW, Bldg. 410, Washington, DC 20598 **WARNING:** For Official Use Only by Authorized Personnel

*Notes: This card will be canceled in 30 days. If your organization has an established GETS account, the point of contact (POC) can request the card be made permanent. Otherwise, your organization must establish a GETS POC and an alternate, and then complete the steps listed under the First Time GETS Requestors link at http://gets.ncs.gov.

You MUST first try your call on the Public Switched Network or normal means of communication (e.g., cell phone, phone booth, private phone, etc.), and if that fails, then use GETS.

From: (b)(6)
To: Grobe, Jack
Subject: (b)(6)
Date: Wednesday, March 16, 2011 11:39:28 AM

(b)(6)

(b)(6)

From: Haney, Catherine
To: Riner, Kelly
Subject: RE: FY10 Travel to Japan
Date: Wednesday, March 16, 2011 11:43:00 AM

I'm not aware of anything that I didn't receive. How much is left?

From: Riner, Kelly
Sent: Wednesday, March 16, 2011 11:02 AM
To: Haney, Catherine
Subject: FY10 Travel to Japan
Importance: High

You had a trip to Japan, 10/1/09 – 10/9/10, travel authorization number T050160. Were you paid in full for this trip? Please let me know as there are funds outstanding.

Kelly Riner
Time & Labor and Fees Coordinator, and Funds Certifier
Office of Nuclear Material Safety and Safeguards (NMSS)
Program Planning, Budgeting and Program Analysis Staff (PBPA)
Financial Management Branch

Kelly.riner@nrc.gov (e-mail, ***BEST*** way to contact)
(301) 492-3250 (office)
(b)(6) (alternative work location)

From: Haney, Catherine
To: Bailey, Marissa
Subject: RE: NMSS GFP Selection Approved
Date: Wednesday, March 16, 2011 11:43:00 AM

Great news.

From: Bailey, Marissa
Sent: Wednesday, March 16, 2011 11:00 AM
To: Kinneman, John; Haney, Catherine; Dorman, Dan; Easson, Pamela; Negrin, Darlene; Jones, Kimberly; Sakadales, Antoinette
Cc: Damon, Dennis
Subject: FW: NMSS GFP Selection Approved

The EDO has approved April Smith as the NMSS selectee for the Graduate Fellowship Program – PRA.

From: Martin, Gillian
Sent: Wednesday, March 16, 2011 10:49 AM
To: Bailey, Marissa
Cc: Dean, Vivian; Powell, Dawn
Subject: NMSS GFP Selection Approved

Hi Marissa— I wanted to let you know that the NMSS selection (April Smith) for the Graduate Fellowship Program has been signed off on by the EDO. HR will notify the successful and unsuccessful applicants of their status and arrange feedback sessions with the rating panel chair as requested. Should you get a request for feedback, please refer them to the HR Specialist (Vivian Dean) for handling.

HR will also prepare a Yellow Announcement for agency distribution regarding the selections.

Please let me know if you have any questions or need additional information.

Thanks,
Gilly

Gilly Martin
Chief, Operations Branch B
Office of Human Resources
U.S. Nuclear Regulatory Commission
Ph: 301-251-7460

From: Haney, Catherine
To: Pulliam, Timothy
Subject: Next Week
Date: Wednesday, March 16, 2011 11:51:00 AM

Tim,

I'm still planning on going to France next week. There is a good possibility that Dan will be out of the office all next week at the Ops Center. What's going on next week with the budget or anything else that you would normally interact with the Front Office.

From: Haney, Catherine
To: Keegan, Elaine
Subject: RE: question
Date: Wednesday, March 16, 2011 11:51:00 AM

I know all that. That's why I sent it to the DD. There is some sensitivity about the info.

From: Keegan, Elaine
Sent: Wednesday, March 16, 2011 11:51 AM
To: Haney, Catherine
Subject: RE: question

But most of the staff can see OUO and are smart enough not to release the information. Fortunately, for me, I forget what I read about 5 minutes after reading it.

We do care about what is going on over there.

From: Haney, Catherine
Sent: Wednesday, March 16, 2011 11:48 AM
To: Keegan, Elaine
Subject: RE: question

Interesting. I sent it to DD and asked they respect the OUO. I'm glad they are sending it out.

From: Keegan, Elaine
Sent: Wednesday, March 16, 2011 11:47 AM
To: Haney, Catherine
Subject: RE: question

It came from your camp but that's all I'm saying.

Maybe Eric is passing the reports to the DDs but ours isn't sharing with everyone. He's like that.

From: Haney, Catherine
Sent: Wednesday, March 16, 2011 11:45 AM
To: Keegan, Elaine
Subject: RE: question

No trouble. Just curious

I don't know answer to second question. I've been sending the reports to the Division Directors.

From: Keegan, Elaine
Sent: Wednesday, March 16, 2011 10:27 AM
To: Haney, Catherine
Subject: RE: question

Didn't get it from a Mike. Why do you want to know? I don't want to get anyone in trouble for sharing information.

This is the first time I've seen a concise statement of what's going on. Why does NRC/NRR feel the need to keep this information from the staff?

From: Haney, Catherine
Sent: Wednesday, March 16, 2011 10:23 AM
To: Keegan, Elaine
Subject: RE: question

Don't know. What Mike did you get this from?

From: Keegan, Elaine
Sent: Wednesday, March 16, 2011 10:22 AM
To: Haney, Catherine
Subject: fw: question
Importance: High

How come we have to come by this information by "back channels?" Doesn't NRC staff, or at least the technical staff, deserve to know what's really going on? Why the censorship?

Subject: "~~Official Use Only~~" : 0630 EDT (March 16, 2011) USNRC Earthquake/Tsunami SitRep
Importance: High

Branch Chiefs, please share this with your staff with the appropriate caution that this information is "~~Official Use Only~~" and is only being shared within the federal family.

Attached, please find a 0630 EDT situation report from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami on March 16, 2011. This Update includes information on dose rates near Fukushima Daiichi, Fukushima Daiichi plant parameters, and NRC PMT hypothetical Worst Case Analyses.

In the event that a member of the staff receives a call from a member of the public concerning the event please refer them to the Office of Public Affairs. This actually happened yesterday with a call that Lorena received.

Thanks,
Mike

Satorius, Mark

From: Ellegood, John
Sent: Wednesday, March 16, 2011 11:52 AM
To: Riemer, Kenneth; ALL_R3
Subject: RE: daily morning meeting notes for March 16

Palisades unidentified leakage was 0.137 vice .37 gpm. Much of the leakage is attributed to head/pzr vent leakage to the quesnch tank.

Leakage is above the 3 sigma limit.

From: Riemer, Kenneth
Sent: Wednesday, March 16, 2011 12:48 PM
To: ALL_R3
Subject: daily morning meeting notes for March 16

The Daily Morning Meeting News for March 16, 2011

Note: This newsletter may contain pre-decisional info.

Do not distribute outside the NRC.

Support Issues:

RA — INPO Level 1 Event Report sent to U.S. plants requires a response back to INPO in 4 major categories.

Reminder to continue to focus on our core safety mission

DRP — None

DRS — None

DNMS — None

DRMA — None

STATES — fielding questions from the states on the Japanese event

PAO — continued.extensive coverage of Japanese events:

- Good Morning America crew shooting a session at DC Cook
- Questions on potential radiation readings in U.S.
- Statement on EPA website agreeing with NRC that it's unlikely that damaging radiation will reach U.S.
- Pres. Obama media briefing yesterday emphasized that NRC thinks through all possibilities, and that NRC will review seismic considerations at U.S. plants

http://www.bulletinnews.com/nrc/

TSS — None

EICS — reminder if there are any panel packages for next week to get them to EICS by noon

Materials Events/Issues

None

Reactor Events

Plant status

BRANCH 1

Dresden U2: Congressman Bobby Rush will be on site Friday

During HPCI maintenance outage discharge valve experienced overthrust and bent the stem; licensee evaluating temp mod to exit maintenance outage and LCO

U3:

Quad Cities U1:

U2:

Clinton

BRANCH 2

Monticello plant in Mode 5, time to boil = 38 hours, RCT temp = 87, S/D risk = green (S/D risk planned to remain green for entire outage); as part of outage work licensee is replacing 4 control rod blades that were subject of the recent Part 21 report

LaSalle U1:

U2:

Duane Arnold On March 18, Iowa State Representative Anesa Kajtazovic (D-21st district), will visit the Duane Arnold Energy Center for a plant tour and meeting with licensee management.

BRANCH 3

Byron U1: Mode 6, time to boil = 13 minutes, S/D risk = yellow. Head lift planned for tonight

U2:

Braidwood U1: Community informatin night planned for next week; NRC to participate

U2:

BRANCH 4

Fermi

Palisades .finished Aux Feedwater work via temp mod and exited LCO last night at 2230; Unidentified leakage at .37 gpm (crosses our threshold for monitoring) but some questions about accuracy of data.

Prairie Island U1: NMSS sponsoring a public meeting for ISFSI;

Site revised flood numbers from yesterday and SVP briefed MN Governor: 686' = expected crest the wee of April 11, 688' = road access impacted, 692' = NOUE entry threshold

U2:

BRANCH 5

Point Beach U1: time to boil in spent fuel pool = 14 hours

U2:

Kewaunee reactor head tensioned at 0300 and plant in Mode 5

BRANCH 6

Davis-Besse

DC Cook U1: Mode 3 with startup planned for tonight and synch to grid tomorrow

U2:

Perry

NRR

None

Additional Support Issues

Other Issues

Personnel News !

Daily

Congressman Bobby Rush will be on site Friday

On March 18, Iowa State Representative Anesa Kajtazovic (D-21st district), will be on site

One Week Look Ahead

Braidwood Community Information night (NRC participating)

Weekly EDO Call Bullets

None

Post 8:15 Meeting Topics

EDG governor discussion (DRS – Mike Jones)

S:\Daily Morning Meeting Notes

The above link will open Windows Explorer, and simple searches for past "Post-8:15 Meeting Topics" can be performed using the "Search" function. The presenter may be able to provide additional information or answer questions of interest regarding the particular topic.

From: Bowman, Gregory
To: Coe, Doug; Coyne, Kevin
Cc: Rini, Brett; Hudson, Daniel; Brooks, Kenneth
Subject: FW: April meetings in DC on how high reliability organizations manage catastrophic risks
Date: Wednesday, March 16, 2011 11:54:12 AM

The e-mail below was forwarded to me by the EDO TA who covers NRO. He was involved in a few briefings of the Chemical Safety Board on how the NRC operates. The CSB sent him some information on two upcoming meetings in D.C., and we thought you might be interested.

From: Hoyle, Bill [mailto:Bill.Hoyle@csb.gov]
Sent: Tuesday, March 15, 2011 4:36 PM
To: Franovich, Mike
Cc: Sanfilippo, Nathan
Subject: April meetings in DC on how high reliability organizations manage catastrophic risks

Michael and Nathan,

Thanks so much for your time last week. It was extremely helpful. Below are links to two interesting meetings in DC next month.

Regards,
Bill Hoyle
CSB Senior Investigator

April 19th http://berkeleysph.qualtrics.com/SE/?SID=SV_e4zISCHqiZ0PIR6

April 20-21 http://www.high-reliability.org/Documents/Conferences/Washington_DC/Agenda/Agenda_Intl_HRO_Conference_April2011.pdf

From: EUCI
To: Golla, Joe
Subject: The Impact of Dodd-Frank on Energy Markets Conference, April 2011
Date: Wednesday, March 16, 2011 11:54:53 AM

If you are having trouble viewing this email view it on our website here

The Impact of Dodd-Frank on Energy Markets

April 26-27, 2011 :: Washington, DC

*Mark your calendar for EUCI's premier conference on **The Impact of Dodd-Frank on Energy Markets**. This event will explore how the Dodd-Frank Act and its implementing regulations will affect the regulatory agencies, market organizations, market participants, bulk energy users, and financial institutions involved in energy markets.*

Featured Presentations From

- **The Hon. Philip Moeller, Commissioner, FERC**
- **The Hon. Scott O'Malia, Commissioner, U.S. Commodity Futures Trading Commission (CFTC)**
- **Vincent McGonagle, Senior Deputy Director-Division of Enforcement, Commodity Futures Trading Commission (CFTC)**
- **Dan Berkovitz, General Counsel, Commodity Futures Trading Commission (CFTC)**
- E. Seth Wilson, Chief Risk Officer, **NASDAQ OMX Commodities Clearing Company**
- Vince Duane, Vice President and General Counsel, **PJM Interconnection**
- Richard McMahon, Executive Director of Energy Supply, Business Operations Group, **EEI**
- James C. Allison, Regional Risk Manager, **ConocoPhillips**
- Carl Coscia, Vice President of Energy Policy, **Constellation**
- Andrew Stevens, Co-Founder and Managing Director, **DC Energy**
- Kathleen Barron, Vice President of Federal Regulatory Affairs and Policy, **Exelon**
- Ray Hepper, Vice President and General Counsel, **ISO-NE**
- Ronald H. Filler, Director, **New York Law School Center on Financial Services Law**
- Alexandra Guest, Global Co-Head of Commodities, Futures and e-Commerce Compliance, **Barclays Capital**

Additional Presentations By

- **Cadwalader Wickersham & Taft LLP**
- **K&L Gates**
- **Skadden, Arps, Slate, Meagher & Flom LLP**
- **CME Group**
- **CME Clearing**
- **PA Consulting Group**
- **LCH.Clearnet Limited**
- **Nodal Exchange, LLC**
- **Sullivan & Cromwell LLP**

KEY TAKEAWAYS

- Six interactive panel presentations that will:
  - Analyze the impact of the Dodd-Frank Act on domestic and international energy markets
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From:	Lieberman
To:	NRCExecSec Resource
Cc:	Pace, Patti; CMRSVINICKI Resource; CMRAPOSTOLAKIS Resource; CMRMAGWOOD Resource; CMROSTENDORFF Resource; Burns, Stephen; Borchardt, Bill; John Greeves; Weber, Michael; Camper, Larry; Miller, Charles
Subject:	Revised E-mail Cover note: Comments on SECY-10-0165, Staff's Approach to Comprehensive Revision to 10 CFR Part 61
Date:	Wednesday, March 16, 2011 12:01:07 PM
Attachments:	SECY10-0165 letter to Commission jxlltg 3-16-11.pdf 11463.pdf

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Ms. Annette Vietti-Cook

We are sending to you a letter with copies to the Commissioners providing our views concerning the Staff's approaches outlined in SECY -10-0165. We share the goal of both the Commission and the Staff to make Part 61 more risk-informed and performance-based. However, the SECY paper does not contain an option which in our view will achieve this goal in an efficient and cost effective manner. Simply stated, we propose that the current limited rulemaking capturing blending and unique waste streams (e.g., depleted uranium) be expanded to capture all waste streams. With a number of relatively simple modifications the Commission will have risk-informed and performance-based Part 61 in a pragmatic approach that should not cost the NRC more than an FTE beyond the current limited rulemaking.

If you have any questions concerning this letter or need more information, please contact us.

John Greeves
Jim Lieberman

March 16, 2011

Ms. Annette Vietti-Cook
Secretary
Office of the Secretary
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

SUBJECT: SECY-10-0165, Staff's Approach to Comprehensive Revision to 10 CFR Part 61 (SRM M100617B)

Dear Ms. Vietti-Cook:

The purpose of this letter is to provide the Commission with our views concerning the Staff's approaches outlined in the above SECY paper. We share the goal of both the Commission and the Staff to make Part 61 more risk-informed and performance-based. However, the SECY paper does not contain an option which in our view will achieve this goal in an efficient and cost effective manner. Simply stated, we propose that the current limited rulemaking capturing blending and unique waste streams (e.g., depleted uranium) be expanded to capture all waste streams. With a number of relatively simple modifications the Commission will have risk-informed and performance-based Part 61 in a pragmatic approach that should not cost the NRC more than an FTE beyond the current limited rulemaking.

We have presented our views in the past to the Commission and staff in the context of blending and unique waste streams.[1] Last month, we presented the attached paper at the Waste Management 2011 Conference in Phoenix, Arizona, entitled, "Risk-Informing 10 CFR 61 " that addressed seven specific changes with the associated amended rule language to risk-inform Part 61. These are:

1) Requiring a site-specific performance assessment for all waste streams,
2) Setting a time of compliance,
3) Providing an intruder dose standard for the intruder performance objective,
4) Providing for use of modern ICRP methods,

[1] J. Lieberman and J.T. Greeves, Comments on Potential Rulemaking for Safe Disposal of Unique Waste Streams Including Significant Quantities of Depleted Uranium -74 FR 30175 (October 30, 2009)(ML093090484); J. Lieberman, SECY-10-0043 Blending of Low-Level Radioactive Waste (June 8,2010) (ML101670408); J.T. Greeves, SECY-10-0043 Blending of Low-Level Radioactive Waste (June 13,2010) (ML101670407); and J. Lieberman and J.T. Greeves, SECY-10-0043 Blending of Low-Level Radioactive Waste (July 29,2010) (ML102150168).

5) Providing for periodic updating of the site-specific performance assessment to make it more consistent with the DOE approach
6) Upgrading the compatibility for 10 CFR 61.58
7) Stating in 10 CFR 61.55 the point in time for classifying (currently in 10 CFR Part 20, Appendix G)

Our proposal maintains the current classification tables in Part 61 and preserves flexibility for the Agreement States. We recognize that many question the adequacy of the current classification tables that may not reflect current disposal and dose methodology. Nevertheless the States find them useful and we expect that it will take substantial resources and stakeholder interaction to change them. The options in the SECY paper indicate that it will take from 9.5 to 15 FTEs plus at least two million dollars to redo or change the reliance on the classification tables.

Given current budget realities and the issues facing the Commission, we doubt that resources of this magnitude will be available to spend on low-level waste disposal.. More importantly, in our view, expenditures at this level are not necessary to provide protection to the public health and safety. We believe based on our experience at the NRC in rulemaking that our proposed changes should not cost more than an FTE beyond the current effort for the unique/depleted waste stream rulemaking.

Our approach protects the public health and safety by focusing regulatory attention on site-specific performance assessments demonstrating that the Part 61 performance objectives have been met. To the extent that the current classification tables may not be protective of the public health and safety, the requirement to demonstrate that the performance objectives are met with a site-specific performance assessment will assure safety. To the extent that the current classification tables may result in an unnecessary regulatory burden because of the use of outdates dose methodology and disposal scenarios for a generic site that does not reflect site specific conditions, the use of § 61.58 will allow the option for a regulator to permit disposal based on the results of the required site-specific performance assessment.[2] While our approach requires each Agreement State with low-level waste authority to adopt §61.58, flexibility is preserved since by its nature the use of §61.58 is discretionary.

In sum, we recommend that the Commission gain efficiencies and further the public health and safety by expanding the current limited rulemaking to include our amendments. This will allow a pragmatic one step process to address current weaknesses in Part 61. The Commission also has the option to provide our approach as alternative language when it publishes the proposed rule on the unique/depleted waste stream rulemaking so it will get a full vetting of public views before it finalizes that rulemaking.

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[2] To the extent our use of §61.58 to provide the regulator with the discretion to permit a site-specific performance assessment result to trump the classification tables is viewed as not reflecting the original intent for this provision (see SECY-08-0147 ,Enclosure 3), a proposal we disagree with, a notice and comment rulemaking will remedy that alleged defect.

Questions regarding these comments may be directed to Jim Lieberman at (301) 299-3607 or jl@lieblet.com and to John Greeves at (301) 452-3511 or greevesj@aol.com.

Respectively submitted,

Jim Lieberman

Jim Lieberman
Senior Regulatory Nuclear Consultant

John Greeves

John Greeves
Senior Regulatory Nuclear Consultant

Enclosure: Risk-Informing 10 CFR 61

cc:
Chairman Gregory B. Jaczko
Commissioner Kristine L. Svinicki
Commissioner George Apostolakis
Commissioner William D. Magwood, IV
Commissioner William C. Ostendorff
William Borchardt, EDO
Michael Weber, DEDO
Charlie Miller, FSME
Larry Camper, FSME
Stephen Burns, OGC

Risk-Informing 10 CFR Part 61-11463

James Lieberman and John T. Greeves
Talisman International, LLC, Washington, DC 2007

ABSTRACT

This paper will explore current regulatory issues with 10 CFR PART 61, "Licensing Requirements for Land Disposal of Radioactive Waste." Part 61 combined a purely deterministic approach with a very prescriptive waste classification system (A, B, C, and GTCC) with some aspects of a risk-informed, performance-based approach. The regulatory framework established under Part 61 has generally stood the test of time being protective of the public health and safety. However, there are a number of deficiencies in Part 61 that if addressed could make the rule more performance-based and risk- informed.

The paper will provide the authors views on updating Part 61 to make it a risk-informed, performance-based rule thereby addressing deficiencies in the current regulation. This would include: requiring site specific performance assessment for both the public and intruder scenarios; setting a time of compliance for such calculations; setting a specific intruder dose standard; use of modern ICRP dose conversion recommendations; requiring periodic updates to the performance assessment to account for unique waste streams and improved site specific knowledge; upgrade compatibility requirements for 10 CFR 61.58; and stating in 10 CFR 61.55 the point in time for classifying waste.

I. INTRODUCTION

The United States Nuclear Regulatory Commission (NRC) promulgated requirements for the licensing of low-level radioactive waste (LLW) disposal sites in 1982. These regulations published on December 27, 1982 (47 FR 57463) are codified at 10 CFR Part 61. There is a substantial regulatory history for Part 61 that is relevant in understanding the rule.[1] For example, the waste classification system in 10 CFR 61.55 is based on the analysis in the draft and final Environmental Impact Statements that supported the Part 61 rulemaking.[2] NUREG-1853, History and Framework of Commercial Low-Level Radioactive Waste Management in the United States, issued by the NRC Advisory Committee on Nuclear Waste provides a good overview of the regulatory framework for LLW disposal in the United States.

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[1] Relevant documents include: Advanced Notice of Proposed Rulemaking, 43 FR49811 (October 25, 1978); Notice of Availability of a Preliminary Draft Regulation, 45 FR13104 (February 26, 1980); Notice of Proposed Rulemaking, 46 FR 38061 (July 24, 1981); Draft Environmental Impact Statement (EIS) (NUREG-0782) September 1981; and Final EIS (NUREG-0945) November 1982. NRC has also issued various guidance documents over the years addressing LLW disposal such as NUREG-1573, A Performance Assessment Methodology for Low-Level Radioactive Waste Disposal Facilities (2000).
[2] Id.

The framework of Part 61 provides both deterministic and performance based requirements. From a deterministic perspective, a disposal site must meet specific technical requirements as provided in 10 CFR 61.50-61.59. These technical requirements include criteria in 10 CFR 61.55 for classifying waste as class A, B, C, or greater than class C. From a performance based perspective, 10 CFR 61, 12, and 13 provide that the site must be subject to a technical analysis (commonly called a performance assessment) demonstrating that the site meets the performance objectives of Part 61, Subpart C. Thus, notwithstanding meeting the technical requirements, site must meet the performance objectives. The result is a systems approach that considers the integrated performance of all the disposal system performance, i.e., the site, the waste form, the engineering and facility design, the operation, and the closure, in determining whether the performance objectives have been met. This paper will be addressing the interplay of the technical and performance based provisions and the need to revise Part 61 to achieve a more risk informed result.

In considering Part 61 it is important to appreciate that Part 61 is a regulation of the NRC applicable to persons subject to the jurisdiction of the NRC. No site has actually been licensed under its provisions as the disposal sites in the United States are in Agreement States.[3] Nevertheless, since Agreement States must maintain requirements which are adequate and compatible with NRC requirements, Part 61 is considered the LLW disposal standard in the United States. Agreement States use Part 61 as the standard for their LLW disposal regulations.

In the authors' view, the regulatory framework established under Part 61 has generally stood the test of time being protective of the public health and safety. However, there are a number of deficiencies in Part 61 that if addressed could make the rule more performance-based and risk-informed. These deficiencies became apparent in recent years as a result of concern over disposal of waste streams that were not fully considered in the draft and final environmental impact statements (EIS)[4] that provided the support for the waste classification criteria in 10 CFR 61.55. These waste streams consisted of large quantities of depleted uranium and blended waste at or near the class A limits. The NRC is in the midst of a rulemaking to address depleted uranium and blended waste.[5] The State of Utah has issued a regulation to address depleted uranium.

In addition, the NRC as a result of questions raised by the subject of depleted uranium is preparing for a comprehensive revision of the Part 61 framework. The NRC staff is due to have issued a paper to the Commission addressing the NRC "staff's approach to initiate activities related to a risk-informed, performance-based comprehensive revision to Part 61"after this paper was submitted to Waste Management in December 2010.[6]

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[3] Section 274 of the Atomic Energy Act of 1954, as amended (42 USC 2021), provides that the NRC can relinquish its authority over certain activities to states that meet certain requirements. Such states, called Agreement States, must maintain programs including regulations that are compatible with NRC requirements and be adequate to protect the public health and safety.

[4] See EISs referenced in note 1.

[5] Response to Commission Order CLI-05-20 Regarding Depleted Uranium, SECY-08-0147 (October 7, 2008); SRM on SECY-08-0147 (March 18, 2009); Blending of Low-Level Radioactive Waste, SECY-10-0043 (April 7, 2010); and SRM on SECY-10-0043 (October 13, 2010).

[6] SRM, Briefing on Blending, July 1, 2010).

Within the United States, the Department of Energy (DOE) has a different regulatory framework governing the disposal of LLW from its activities. DOE unlike the NRC has not included a prescriptive approach in its Order 435.1 that addresses the requirements for LLW disposal in the DOE complex. DOE requires a site-specific performance assessment demonstrating that performance objectives similar to those in Part 61 are met. DOE does not include the classification system that commercial LLW is subject to. The DOE framework is a performance-based, risk-informed system. DOE is in the process of updating its Order 435.1. We strongly believe that the NRC and DOE should work closely together to harmonize their approaches so that there is one federal standard for the disposal of LLW in the United States.

The authors of this paper have an interest in safe and efficient disposal of radioactive waste having worked in this area while at the NRC and as consultants to the Department of Energy and private companies since retiring from the NRC. We have extensive experience working with Part 61, waste incidental to reprocessing (WIR), and section 3116 the Ronald Regan National Defense Authorization Act of 2005 (NDAA).[7] This paper is based on the perspectives gained from that experience and the comments that the authors have presented to the NRC on the current rulemakings impacting Part 61.[8] It provides a pragmatic approach to modernizing and risk-informing Part 61 that should take a minimum of additional resources and effort.

II. CURRENT NRC RULEMAKINGS

As noted above, the NRC is considering disposal issues associated with depleted uranium, unique waste, and blended waste streams. The regulatory concern is whether the existing regulatory structure provides a safe pathway for the disposal of these materials since the quantities and concentrations of radionuclides in these waste streams today are different from that considered in the development of Part 61. This concern is understandable given the time that has past and changes during the past three decades since the promulgation of Part 61 involving uses of radioactive material, waste management processes, and regulatory direction.

In accordance with the direction from the Commission, the current rulemaking focuses on depleted uranium and blended waste establishing a requirement to perform site specific performance assessments for these waste streams demonstrating that the performance objectives of Part 61 have been met. The staff has also indicated in the SECY papers that technical requirements will need to be added to Part 61 to assure that the site specific performance assessments are consistent with the analysis performed in the Part 61 FEIS and to be protective of the public health and safety. This approach appears to only address the specific waste streams that are of current concern, i.e., depleted uranium and blended waste, putting off issues with

[7] Waste incidental to reprocessing (WIR) and section 3116 of the NDAA relate to the determination of when waste from reprocessing should d be considered LLW and not high-level waste. A key component of that determination is a performance assessment demonstrating that the performance objectives of Part 61 are met. Thus, this experience is directly relevant to Part 61 as is NRC guidance such as NUREG-1854, NRC Staff Guidance for Activities Related to DOE Waste Determinations (2007).

[8] J. Lieberman and J.T. Greeves, Comments on Potential Rulemaking for Safe Disposal of Unique Waste Streams Including Significant Quantities of Depleted Uranium -74 FR 30175 (October 30, 2009)(ML093090484); J. Lieberman, SECY-10-0043 Blending of Low-Level Radioactive Waste (June 8,2010) (ML101670408); J.T. Greeves, SECY-10-0043 Blending of Low-Level Radioactive Waste (June 13,2010) (ML101670407); and J. Lieberman and J.T. Greeves, SECY-10-0043 Blending of Low-Level Radioactive Waste (July 29,2010) (ML102150168).

other waste streams for the update of Part 61. The staff is at the initial stage in its process of developing its strategy for a revision of Part 61. The staff has indicated that they are considering at least the following four options:

1) Modify the Waste Classification Framework
2) Align with the DOE approach in DOE 435.1
3) Align with the IAEA approach
4) Modify current rulemaking[9]

The first of the above three approaches would require a substantial effort. The staff recognizes a comprehensive revision of Part 61 has the potential to be controversial, complicated, and protracted.[10] It has noted to the Commission that such a rulemaking may take 5 years. In the authors' view, five years may be a conservative estimate for a comprehensive review.

III. REVISED APPROACH

We believe that the NRC can modernize and risk-inform Part 61 in a substantially shorter time period by adopting the fourth approach, modifying the current rulemaking on depleted uranium and blended waste. In our view, the current rulemaking should address the following seven elements which are addressed below:

1) Requiring a site-specific performance assessment for all waste streams,
2) Setting time of compliance,
3) Providing an intruder dose standard for the intruder performance objective,
4) Providing for use of modern ICRP methods,
5) Providing for periodic updating of the site-specific performance assessment to make it more consistent with the DOE approach
6) Compatibility upgrade for 10 CFR 61.58
7) Stating in 10 CFR 61.55 the point in time for classifying (currently in 10 CFR Part 20, Appendix G)

A. Requiring a site-specific performance assessment for all waste streams (10 CFR 61.12 & 61.13)

Recent experience has shown that future additional waste streams will be identified that have characteristics that are different from that considered in the development of Part 61. These are what you might call the known unknowns that a regulatory scheme should be able to address. The solution is to provide as part of the current Part 61 rulemaking that each disposal site is required to have a site-specific performance assessment demonstrating compliance with the performance objectives of Part 61 that encompasses <u>all</u> of the waste at the site. This would reflect a risk-informed performance based approach. With this approach there will be assurance that all waste disposed at a disposal site will meet the performance objectives of Part 61 and,

[9] Presentation of Larry W. Camper, Director, Division of Waste Management and Environmental Protection, Office of Federal and State Materials and Environmental Management Programs at the *2010 RADWASTE SUMMIT Low-Level Waste Regulatory Initiatives* (September 8, 2010).
[10] <u>Id.</u>

therefore, the public health and safety will be protected. As the Commission stated in the Louisiana Energy Services proceeding, CLI-05-05 at page 11, January 18, 2005:

> In the end, the "bottom line for disposal" of low-level radioactive wastes are the *performance objectives* of 10 C.F.R. Subpart C, which set forth the ultimate standards and radiation limits for (1) protection of the general population from releases of radioactivity; (2) protection of individuals from inadvertent intrusion; (3) protection of individuals during operations; (4) and stability of the disposal site after closure. Thus, while there may not yet be detailed technical criteria established for all of the kinds of land disposal that might be proposed under Part 61, criteria can be developed "on a case-by-case basis," as needed. After all, any technical requirements are "intended to help ensure that the performance objectives established in Subpart C are met," but they are "not the end in themselves, ... [only] a means of achieving the end," which are the performance standards. (Citations omitted)

This should not be an onerous addition to the current rulemaking. Currently, the requirements in 10 CFR 61.12 and 13 address the need to demonstrate that the performance objectives will be met. However, these provisions have been interpreted by some to not require the submittal of a site-specific performance assessment. As to protection against the intruder, NRC appears to have accepted the provisions of 10 CFR 61.52 (a)(2) for either five meter depth or the 500 year intruder barrier to meet the performance objectives of 10 CFR 61.42. While these depths and barriers may be sufficient in many cases to meet the performance objectives, without a site-specific performance assessment there is no assurance that the performance objectives will be met for all waste packages regardless of the concentrations and quantities of the radionuclides.

It is recognized that the NRC has issued various guidance documents over the years that can be read as not necessarily requiring a site-specific intruder analysis for Class A waste. See NUREG-1573, Performance Assessment Methodology for Low-level Waste Disposal Facilities (2002).[11] However, NUREG-1573 states that separate intruder scenarios analyses may be necessary in cases where the projected waste spectra are fundamentally different from those considered in the technical analyses supporting the Part 61 draft environmental impact statement. Thus, we agree with the Staff statement in SECY 10-0043, at page 18 that

> because the requirement to conduct a site-specific inadvertent intruder analysis is not specifically identified in 10 CFR Part 61 and may not be well understood, there is a concern that applicants or licensees could misinterpret the regulations to only require compliance with the concentration limits in the waste classification tables for ensuring protection of the intruder, as required by 10 CFR § 61.42.

Therefore, the NRC should clarify 10 CFR 61.13 to provide clear notice that low-level waste disposal sites must have a performance assessment that demonstrates that the performance objectives of Part 61 are met <u>for all waste streams</u> and not just for depleted uranium and blended waste. Specifically, 10 CFR 61.13 should include language providing that:

[11] NUREG-1573 at page 1-13, footnote 7 states that "separate intruder scenario dose analyses are not envisioned to be included in an LLW performance assessment" based on 10 CFR 61.13(b). Section 61.13(b) provides that a demonstration be made that adequate barriers have been provided. In my view, a performance assessment is necessary to provide that demonstration.

> The specific technical information must also include a site specific performance assessment to demonstrate that the performance objectives of subpart C of Part 61 will be met.

Such an approach would harmonize with DOE's Order 435.1 and be consistent with recent NRC guidance on waste incidental to reprocessing (WIR).

B. Setting time of compliance for purposes of the performance assessment (10 CFR 61.13)

Part 61 does not specify a time of compliance for purposes of the analyses required for the rule. For a consistent level of protection of the public health and safety and uniformity for regulators and sites, Part 61 should adopt a compliance period of 10,000 years consistent with NUREG-1573 and 40 CFR Part 191. However, recognizing the peak dose may occur after this period, the rule should require a qualitative analysis if the peak occurs beyond 10,000 years for input into the environmental analysis consistent with section 3.2.3 of NUREG-1573, to determine if there is a need for environmental mitigation. This is also consistent with Section IV.A.6 of the Decommissioning Criteria for the West Valley Demonstration Project at the West valley Site (67 FR 5003, 5006, February 1, 2002). See also section 4.1.1.1 of NUREG-1854, NRC Staff Guidance for Activities Related to US DOE Waste Determinations (2007). A period of compliance in the rule would assure consistent assessment of compliance by all parties.

Recognizing that performance assessments require the use of assumptions and scenarios that may change over the compliance period, Part 61 should provide that the assumptions and scenarios used in performance assessments be reasonably foreseeable to avoid undue speculation and overly conservative approaches. NRC should permit licensees to justify, site-specific assumptions and exposure scenarios based on reasonably foreseeable circumstances to evaluate the critical group that could reasonable encounter material that is released from the disposal cell after the institutional control period. This would include residential use; farming; resident farming; and any other reasonable use consistent with the current environment of the specific site. For example, a site would not be expected to consider a groundwater pathway if the groundwater was not useable for irrigation or human consumption. In addition, the assumptions for the performance analyses would not need to project changes in society, the biosphere, human biology, or increases or decreases of human knowledge or technology except for foreseeable changes to the geology, hydrology, and climate based upon cautious, but reasonable assumptions of the changes in these factors that could affect the disposal site. The actual details for performing performance assessments consistent with the regulatory language would be treated in NRC guidance which can be updated periodically by the NRC without a rule change.

Specifically, 10 CFR 61.13 should include providing language that:

> The performance assessment be preformed for a compliance period of 10,000 years using reasonably foreseeable assumptions and scenarios. If the peak dose occurs after 10,000 years, a qualitative analysis shall be prepared up to the time of the peak dose for consideration in the site's long term environmental impact.

C. Providing an intruder dose standard for the intruder performance objective (10 CFR 61.42)

10 CFR 61.42 currently requires "...protection of any individual inadvertently intruding into the disposal site and occupying the site or contacting the waste;" however, the regulations are silent on the specific dose standard to apply. Section 61.42 should be amended to provide a dose standard for an intruder of 500 mr/yr. This would provide in the rule the dose standard that currently is only stated in guidance. It is noted that the 500 millirem was the standard proposed in Part 61 in 1981. (46 FR 38081, July 24, 1981). The Statement of Considerations for the final rule did not object to the number. It was removed apparently at the request of EPA because of its concern of how one would monitor it or demonstrate compliance with it, but not because EPA disagreed with it. (47 FR57446, 57449, December 27, 1982). A dose standard of 500 mr/yr is also used as part of the license termination rule dose standard for intruders (10 CFR 20.1403). A dose standard in the rule would assure consistent assessment of compliance for all sites.

Specifically, 10 CFR 61.42 should include providing language that:

> The intrusion must not result in an annual dose exceeding an equivalent of 500 millirems total effective dose equivalent for a compliance period of 10,000 years.

D. Providing for use of modern ICRP methods (10 CFR 61.41)

The performance objective for the public dose, 10 CFR 61.41, is based on ICRP 2, a standard that is more than 50 years old. The dose methodology in 10 CFR Part 20 is based on ICRP 26 and 30. Part 20 establishes the radiation protection standard used by both Agreement states and NRC. We recommend that 10 CFR 61.41 be updated to reflect the annual dose methodology used in 10 CFR Part 20 rather than the methodology used in Part 61. This is consistent with the approach taken in sections 3.3.7.1.2 and 3.3.7.3.1 of NUREG 1573; footnote 6 of the Decommissioning Criteria for the West Valley Demonstration Project at the West Valley Site (67 FR 5003, 5005, Feb 1, 2002); and section 4.6.1.3 of NUREG-1854.

Specifically, 10 CFR 61.41 should include providing language that:

> Concentrations of radioactive material which may be released to the general environment in ground water, surface water, air, soil, plants, or animals must not result in an annual dose exceeding an equivalent of 25 millirems total effective dose equivalent for a compliance period of 10,000 years to any member of the public.

E. Providing for periodic updating of the site-specific performance assessment to make it more consistent with the DOE approach (10 CFR 61.13)

As noted above, a risk-informed performance based disposal framework is dependent on the performance assessment demonstrating that the performance objectives are met. To implement this approach it is necessary that not only the design be tested by the demonstration that the performance objectives will be met, but that current disposal practices be consistent with the inputs to the performance assessment that demonstrated that the performance objectives have been met. Over time the waste streams that the disposal site operator will receive will likely

change, new information may be obtained about the site and its performance, and new analyses may be developed. Part 61 should provide that there be periodic updating of the performance assessment to reflect changes in source terms, changed conditions at the site, past disposal history, and new methodology, if any. However, this does not necessarily mean that a completely new performance assessment would need to be developed. Depending on the scope and detail of an existing performance assessment, a current performance assessment may only need minor changes to update it. In the period between the updates, if a new waste stream is planned for disposal that is not encompassed by the site's existing performance assessment, a special assessment may be needed to demonstrate that the performance objectives will still be met. This approach is consistent with the approach taken by DOE at its disposal sites under DOE Order 435.1.

Specifically, 10 CFR 61.13 should include providing language that:

> The performance assessment must be updated for Commission approval at a five year frequency unless the license provides an alternative period for updating it.

F. Compatibility upgrade for 10 CFR 61.58

The requirement to have performance assessments done for all waste streams that demonstrate that the performance objectives of Part 61 are met with periodic updating will assure that Part 61 is a risk informed, performance based rule. We appreciate that some may argue that one cannot risk inform Part 61 without either removing the classifications system described in 10 CFR 61.55 or updating it to reflect more recent knowledge since the development of the EIS for Part 61 in the 1980s and new dose methodology. However, in our view such an effort will take substantial resources and time and is not necessary. It is also not clear that such a result will be useful since any new classification system like the current classification system would likely be based on performance assessments for a generic site that will not reflect an actual site. Moreover states have licensed sites based on the current system. A change will be controversial taking on what some may view as "sacred cows" and could in the authors' view even result in adverse legislation similar to what happened to the NRC with its "below regulatory concern" effort. There is also benefit to have a classification system for uniform interstate commerce even if it is not perfect.

Thus, we propose continuing with the existing classification system which is referenced in section 3 of the Low-Level Radioactive Waste Policy Amendments Act of 1985 and is needed to establish the boundary between State and Federal responsibility. To the extent that the existing classification system is not sufficiently protective for unique waste streams, the requirement to perform a site-specific performance assessment demonstrating that the site meets the performance objectives of Part 61 will compensate for any potential weaknesses resulting from the waste classification. If the existing classification would produce overly conservative results, then the regulator can under the existing 10 CFR 61.58 authorize other provisions for the classification and characteristics of waste on a specific basis if it finds reasonable assurance of compliance with the performance objectives in subpart C. For this reason, 10 CFR 61.58 should be given a higher compatibility level. This would not mean that an Agreement State must always exercise its provisions, but it must have the discretion to do so.

Not all states, have adopted 10 CFR 61.58 as this section is currently a compatibility level D which means the provision is not required for compatibility. The change to compatibility level is important to risk informing Part 61 by assuring that the performance assessment process compensates for any weakness in the current classification system. In our view, compatibility level B, which would provide for agreement states adopting essentially identical requirements, is needed because waste disposal impacts generators across the nation and, therefore, has significant direct transboundary implications. This is the same level that is applied to the classification system in 10 CFR 61.55.

G. Stating in 10 CFR 61.55 the point in time for classifying (currently in 10 CFR Part 20, Appendix G)

As a result of the bending of waste issue, questions have arisen concerning the timing of classification decisions and the different polices of various states. The purpose of classification under Part 61 is to support the disposal process. The waste classification impacts requirements applicable to disposal. From a disposal perspective, what matters for classification is the waste that is being sent to the disposal site. Waste processing may affect the nature of the waste such that its concentration may be increased or decreased. It is the resulting concentration that is important for classification and disposal. For processed waste its concentration prior to disposal is irrelevant for purposes of Part 61 as that is not the waste concentration that is being disposed.

As stated by the Staff in SECY-10-0043,

> waste is not required to be classified at intermediate points between its generation and disposal, such as processing and storage, because the characteristics of the waste at these intermediate points do not directly affect its safe disposal. Once waste is ready for disposal, it must be classified.

The NRC regulations reflect this concept in section III of Appendix G of 10 CFR Part 20. Section III addresses the timing of classification decisions in the context of transportation and manifests. Section III A. provides that licensees who transfer radioactive waste to a disposal site or to a waste collector (non-processor or non-packager) shall classify and label each package to identify its classification in accordance with 10 CFR 61.55. However, if the waste is to be sent to a processor for waste treatment or repackaging, section III C. provides that the processor shall classify and label each package to identify its classification in accordance with 10 CFR 61.55. This is a compatibility B requirement as it has significant direct transboundary implications. Accordingly Agreement states' requirements should be essentially identical to Appendix G of Part 20.

Some licensees may choose to classify material based on its concentration when it leaves the generator's site to go to a processor. Such a classification has no regulatory affect given the provisions of Appendix G and more importantly has no impact on disposal safety because the concentration may be modified (increased or decreased) during the treatment process. To clarify this and prevent confusion with multiple classifications, the timing of classification in Appendix G of Part 20 should also be in Part 61. Specifically, 10 CFR 61.55 should include language providing that:

> For purposes of classification of wastes, waste shall be classified when packaged or containerized for disposal. For waste packaged or treated at a licensed waste processor, only the classification made by the processor prior to shipment directly to the disposal site shall be used for purpose of Part 61.

This language would make Part 61 consistent with Appendix G of Part 20 and should be at a compatibility level B similar to Appendix G.

III. CONCLUSION

We agree that 10 CFR PART 61, "Licensing Requirements for Land Disposal of Radioactive Waste," needs to be updated to address the lessons learned over the last 30 years. It should account for the recent experience gained by the NRC staff review of practices for the disposal of waste incidental to reprocessing under the Ronald Regan National Defense Authorization Act of 2005. It should also account for recent experience associated with depleted uranium and blended waste discussions with stakeholders.

In our view the pragmatic approach described in this paper for updating Part 61 to address the current deficiencies will modernize and risk-inform Part 61 with a minimum of additional resources and effort. This would include: requiring site specific performance assessment for both the public and intruder scenarios; setting a time of compliance for such calculations; setting a specific intruder dose standard; use of modern ICRP dose conversion recommendations; requiring periodic updates to the performance assessment to account for unique waste streams and improved site specific knowledge; upgrade compatibility requirements for 10 CFR 61.58; and stating in 10 CFR 61.55 the point in time for classifying waste.

From: FedScoop
To: Boger, Bruce
Subject: FedMentors, DOJ CIO on cybersecurity, NASA IT CTO steps down, and more
Date: Wednesday, March 16, 2011 12:05:05 PM

View Web version

FedMentors video series shares leadership best practices

New FedScoop video outreach project addresses changing demographics of Federal workforce, features career advice from top government leaders. Read »

FedMentor of the Week: Dave McClure

Dave McClure, Associate Administrator, Office of Citizen Services & Innovative Technologies, General Services Administration, is our first FedMentor of the Week! Read »

Watch on FedScoop's YouTube Channel

Justice CIO Hitch Talks Cybersecurity, Wikileaks, ISIMC, FedRAMP, Cloud Computing

Justice Department Chief Information Officer Vance Hitch recently discussed cybersecurity priorities and cloud computing security with FedScoopTV, where he touched on his work with the Information Security & Identity Management Committee (ISIMC), the Federal Risk and Authorization Management Program (FedRAMP), and the role they play in both areas. Read »

FedScoop's Open Government & Citizen Engagement Summit

May 11, 2011, Newseum, Washington, DC

Confirmed speakers:

- Frank Baitman, CIO, Social Security Administration
- Peter Levin, CTO & Senior Advisor to the Secretary, Department of Veterans Affairs
- Matthew Perry, CIO, Office of Personnel Management

- Sheila Campbell, Director, Center for Excellence in Digital Government, Office of Citizen Services and Innovative Technologies, GSA
  Register to Attend the Summit

Next-Gen MOBILE Technologies Symposium
Generals Vane, Lord, Lawrence & Nally keynote the Mobile Symposium
Thursday, March 17, 2011 · 8:00am - 5:30pm - Capital Hilton, Washington, DC
Register as an Individual to Attend the Symposium

- VA CIO Baker on Cybersecurity
  FedScoop
- A few minutes with Justice's CIO, Vance Hitch
  CTOvision
- Information Sharing in the Era of WikiLeaks: Balancing Security and Collaboration
  State Department
- Risk Management in Non-DoD U.S. Government Agencies and the International Community
  CSIS
- DHS wants $233.6 million to deploy Einstein 3 system
  FedCyber
- Army Cyber Command is open for business
  FedCyber
- Pentagon seeks $500M to beat cyber threats
  The Hill
- DHS to Private Sector: Do You Have any Cyber Experts You'd Like to Loan Us?
  Executive Gov

- NASA IT CTO Kemp leaving 'to find a garage in Palo Alto to do what I love'
  FedScoop
- The Challenge of Delivering Successful IT Programs
  CIO gov
- Recharging the CIO
  Federal Computer Week

- Using the Infrastructure-as-a-Service Blanket Purchase Agreement
  Apps.gov
- Empower feds to take on the cloud
  Federal Computer Week
- Microsoft CTO Federal Susie Adams on Cloud Computing Best Practices for Government Agencies
  FutureFed
- McClure warns of possible 'cloud first' culture clash
  FierceGovernmentIT

- What ever happened to FedRAMP?
  FierceGovernmentIT

- A Smarter, More Efficient, More Transparent Labor Department
  DOL.gov

[redacted]

This message was sent to bruce.boger@nrc.gov from:

FedScoop | 1410 Q St NW | Washington, DC 20009

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From:	OST02 HOC
To:	McGinty, Tim; Rosenberg, Stacey
Cc:	McDermott, Brian; Evans, Michele; Boger, Bruce; Blount, Tom
Subject:	RE: Request: Remove Stacey Rosenberg from PMT Deputy Director Watchbill to oversee development of Time Sensitive Generic Communications
Date:	Wednesday, March 16, 2011 12:09:36 PM

Stacy has been moved off the watch schedule for the time requested below.

Tony McMurtray
EST Coordinator

From: McDermott, Brian
Sent: Wednesday, March 16, 2011 10:51 AM
To: OST02 HOC
Cc: Leeds, Eric; Boger, Bruce; Rosenberg, Stacey; Quay, Theodore; Blount, Tom; Bowman, Eric; Ruland, William; Bower, Anthony; McGinty, Tim; Evans, Michele
Subject: RE: Request: Remove Stacey Rosenberg from PMT Deputy Director Watchbill to oversee development of Time Sensitive Generic Communications

Please address request from NRR.

Thanks,
Brian

From: McGinty, Tim
Sent: Wednesday, March 16, 2011 10:48 AM
To: Evans, Michele; McDermott, Brian
Cc: Leeds, Eric; Boger, Bruce; Rosenberg, Stacey; Quay, Theodore; Blount, Tom; Bowman, Eric; Ruland, William; Bower, Anthony
Subject: Request: Remove Stacey Rosenberg from PMT Deputy Director Watchbill to oversee development of Time Sensitive Generic Communications

Michele/Brian – NRR/DPR has a high priority near term assignment to prepare parallel generic communications (IN, RIS, Bulletin) based on the INPO Level 1 Event Report that was issued to licensees.

Stacey Rosenberg is the Branch Chief for Generic Communications. She is currently scheduled to be on shift (3 – 11) in the Ops Center on Friday as PMT Deputy Director. I am requesting that she be allowed to focus on overseeing the development of the Generic Communications (also an event related responsibility) while we rely on other elements of the NRC Organization and our Response Team depth to perform the Deputy Director function, as necessary.

Please advise at your earliest convenience. I estimate that I would need her off the watchbill for about a week or so to directly support this activity. Thanks, Tim

From: Purdue College of Health and Human Sciences
To: Grobe, Jack
Subject: Mark your calendar for April 8th.
Date: Wednesday, March 16, 2011 12:10:15 PM

To view an online version of this email, click here

Felker Leadership Series (9:30 am - 3 pm)

The 2011 Felker Leadership Series will feature four faculty from the College of Health and Human Sciences. This year's program will highlight the wide array of teaching and research taking place in the new college. Visit the Felker Leadership Series website for information about the program and speakers.

HHS Awards Dinner and Program (5:30 pm)

The first annual HHS Awards Dinner will honor HHS Alumni Award Recipients, HHS Outstanding Seniors and HHS Honors Program Seniors.

Registration and payment must be made by April 1.

For more information and to register, contact:
HHS Development and Alumni Relations
Matthews Hall, Room 101
812 W. State Street
West Lafayette, IN 47907-2060
Phone: (800) 535-7303 or (765) 494-7890
E-mail: hhsalums@purdue.edu

Click here to forward this mailing with your personal message.

This email was sent to: **jack.grobe@nrc.gov**
This email was sent by: **College of Health and Human Sciences**
812 W State Street, West Lafayette, IN 47907

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etb

From:	Rodgers, Mary
To:	FCSS Document Processing Resource; Rodgers, Mary; Smith, James
Cc:	Haney, Catherine; Dorman, Dan; Kinneman, John; Tschiltz, Michael; Bailey, Marissa
Subject:	Wits 201000284/SECY-2010-0611--Issue Dft RG & SRP for Completion of ISAs in Part 70 ...
Date:	Wednesday, March 16, 2011 12:10:56 PM
Attachments:	SRM 11-30 SECY-10-0178.docx SECY-2010-0611.pdf NMSS201100101.pdf
Importance:	High

SubPart h, Related to the Proposed Rule on Domestic Licensing of Source Material per SRM

LADIES/GENTLEMEN:

PLEASE PRINT THE ATTACHED NMSS TICKETS AND ACTION.

DUE TO NMSS: 04/22/2011

DUE TO OEDO: 04/29/2011

Mary L. Rodgers
FOIA/Records Manager Analyst
(301) 492-3246

From: RidsEdoDraftSrmVote Resource
Sent: Monday, December 20, 2010 4:56 PM
To: RidsFsmeOd Resource; RidsNmssOd Resource; Poland, Catherine; Tressler, Patricia; Rodgers, Mary
Cc: Brock, Kathryn; Gonzalez, Hipolito; Andersen, James; Muessle, Mary; RidsEdoDraftSrmVote Resource; Shea, Pamela; Bavol, Rochelle; Laufer, Richard
Subject: ACTION: 11/30/10 SRM re SECY-10-0128 - PROPOSED RULE: DOMESTIC LICENSING OF SOURCE MATERIAL - AMENDMENTS/INTEGRATED SAFETY ANALYSIS (RIN 3150-AI50)
Importance: High

Please see the attached for action. We will not be providing a hard copy. If you have any questions, please let me know.

Thanks.
Denise

ML103350037

November 30, 2010

MEMORANDUM TO: R. W. Borchardt
Executive Director for Operations

FROM: Annette L. Vietti-Cook, Secretary ***/RA/***

SUBJECT: STAFF REQUIREMENTS – SECY-10-0128 – PROPOSED RULE: DOMESTIC LICENSING OF SOURCE MATERIAL - AMENDMENTS/INTEGRATED SAFETY ANALYSIS (RIN 3150-AI50)

The Commission has approved publication in the *Federal Register* of the proposed amendments to 10 CFR 40 to require source material licensees possessing significant amounts of uranium hexafluoride (UF6) to perform integrated safety analyses (ISAs) similar to the ISAs performed by 10 CFR Part 70 licensees and to set possession limits for UF6 to determine whether the NRC or Agreement States have licensing authority for a facility, subject to the comments and changes noted below.

The following change should be made to the first full paragraph on page 45. The phrase "in order to fulfill its statutory mandate to protect the health and safety of the worker, the public, and the environment" should be revised to read, "in order to fulfill its statutory mandate to protect the health and safety of the worker and the public."

The staff should modify the proposed rule to include a backfit provision prior to publishing the proposed rule for public comment. This provision should be similar to 10 CFR § 70.76 and should apply to any materials licensee that possesses significant quantities of uranium hexafluoride once the NRC has approved that licensee's ISA.

The staff should modify the proposed Federal Register notice to present the question regarding use of PRA methodology to Part 40 facilities and request comments with regard to the potential challenges and impacts.

The staff should not publish this proposed rule until such time as it is prepared to release – concurrently – the draft regulatory guidance and standard review plan related to the proposed rule. FRN to SECY for sign. & publication.
(FSME) (OEDO/SECY Due Date: 04/29/11) 201000283/EDATS: SECY-2010-0610

The staff should issue guidance for completion of ISAs, which currently apply to Part 70 licensees, to account for differences in the processes or hazards for Part 40 facilities.

The proposed schedule should be extended (from the effective date of the rule) to provide 6 months to develop a plan; 18 months to produce an ISA; and 3 years to correct all performance deficiencies.

The staff should evaluate if there is a need to modify the existing Memorandum of Understanding (MOU) between OSHA and NRC to further clarify or delineate which activities are under NRC regulation versus OSHA regulation. If staff determines that the existing MOU does not need to be revised, the staff should ensure that the proposed rule and guidance provide a clear explanation as to how to evaluate NRC/OSHA MOU criterion #3: "the plant condition which affect the safety of radioactive materials and thus presents an increased radiation risk to workers" when completing the ISA. Draft guidance (NUREG) for FRN to SECY
(NMSS) (OEDO/SECY Due date: 04/29/11) 201000284/EDATS: SECY-2010-0611

The staff should remain cognizant of the ongoing development of the ISA/PRA comparison paper and any direction that the Commission might provide as a result of its consideration of this subject. The final rule should reflect any relevant changes that result from the Commission's review of the ISA/PRA comparison paper.

cc: Chairman Jaczko
Commissioner Svinicki
Commissioner Apostolakis
Commissioner Magwood
Commissioner Ostendorff
OGC
CFO
OCA
OPA
Office Directors, Regions, ACRS, ASLBP (via E-Mail)
PDR

Electronic Document and Action Tracking System

EDATS Number: SECY-2010-0611 **Source:** SECY

General Information

Assigned To: NMSS **OEDO Due Date:** NONE

Other Assignees: **SECY Due Date:** 4/29/2011 11:00 PM

Subject: STAFF REQUIREMENTS – SECY-10-0128 – PROPOSED RULE: DOMESTIC LICENSING OF SOURCE MATERIAL - AMENDMENTS/INTEGRATED SAFETY ANALYSIS (RIN 3150-AI50)

Description: Issue the Draft Regulatory Guidance and Standard Review Plan for completion of ISAs in Part 70, Subpart H, related to the proposed rule on Domestic Licensing of Source Material per SRM.

CC Routing: NONE

ADAMS Accession Numbers - Incoming: ML103350037 **Response/Package:** NONE

Other Information

Cross Reference Number: SECY-10-0128, 201000284 **Staff Initiated:** NO

Related Task: SECY-2010-0610 **Recurring Item:** NO

File Routing: EDATS **Agency Lesson Learned:** NO

OEDO Monthly Report Item: NO

Process Information

Action Type: NUREG **Priority:** Medium

Sensitivity: None

Signature Level: NMSS **Urgency:** NO

Approval Level: No Approval Required

OEDO Concurrence: NO

OCM Concurrence: NO

OCA Concurrence: NO

Special Instructions:

Document Information

Originator Name: Annette L. Vietti-Cook, SECY **Date of Incoming:** 11/30/2010

Originating Organization: Commission **Document Received by SECY Date:** 11/30/2010

Addressee: R. W. Borchardt, EDO **Date Response Requested by Originator:** NONE

Incoming Task Received: SRM

Display Ticket

Ticket Type	NMSS - Special	**Ticketing Organization**	NMSS
Ticket Number	NMSS201100101	**Ticket Contact**	Smith, James A
TAR	N	**Ticket Created On**	03/16/2011
ADAMS Number		**Ticket Due Date**	04/29/2011
FOIA Number		**Ticket Extensions**	0
WITS Ticket Number	20100284	**Ticket Status**	

Description (WITS 201000284)ISSUE THE DRAFT REGULATORY GUIDANCE AND STANDARD REVIEW PLAN FOR COMPLETION OF ISAs IN PART 70, SUBPART H, RELATED TO THE PROPOSED RULE ON DOMESTIC LICENSING OF SOURCE MATERIAL PER SRM (EDATS: SECY-2010-0611)

Task Basis SECY-2010-0128

Correspondence Originator	Correspondence To	Routing	Response Signatures	Response To
SECY (ALVietti-Cook)	NMSS	Haney Dorman Doolittle Rodgers		RidsEDOMailCenter Resource

Special Instructions (Task 1):	FCSS please ptovide draft guidance (NUREG) for Federal Register Notice to NMSS 04/22/2011; due to OEDO by 04/29/2011						
Assign To	**Contact**	**Report To**	**Status**	**Date Assigned**	**Date Due**	**Date Closed**	**No. Ext**
NMSS	TBD	EDO		03/16/2011	04/29/2011	open	0
NMSS / FCSS	TBD	NMSS		03/16/2011	04/22/2011	open	0

Ticket NMSS201100101 is open

[Printout]

Main Menu

From: Cheok, Michael
To: Lee, Samson
Subject: FW: NEI Meetings with Eric Leeds and Jack Grobe
Date: Wednesday, March 16, 2011 12:11:00 PM

From: Cheok, Michael
Sent: Tuesday, March 15, 2011 4:47 PM
To: Grobe, Jack
Cc: Nguyen, Quynh; Klein, Alex; Hilton, Nick; Giitter, Joseph
Subject: RE: NEI Meetings with Eric Leeds and Jack Grobe

We will start planning for the public meeting to discuss staggering, and will involve DORL, OE, and NEI. Even if the Commission Paper is not released soon, the purpose of the meeting can be to request NEI to meet with us in a public forum to discuss the specifics of their November letter, i.e., we can discuss details of their prioritization scheme as conceptualized in their November 15, 2010 letter (ML103360406) to us. This will better prepare us to respond to a potential SRM and also to respond to the ACRS recommendation to sequence the submittals.

Alex will work on a proposed schedule and we will come brief you.

From: Grobe, Jack
Sent: Monday, March 14, 2011 1:28 PM
To: Nguyen, Quynh; Cheok, Michael; Klein, Alex; Leeds, Eric; Hilton, Nick
Subject: Re: NEI Meetings with Eric Leeds and Jack Grobe

Q,

Please get with Jim Anderson/Brian Wittick and see what you can do to move this along. While nothing is firm until the Five Great Americans speak on the issue, if the industry can get the paper they can begin thinking about which licensees would come when and then adjust if the Commission addresses the question of staggering with a different twist.

Mike/Alex,

We need to start planning for a meeting with the industry to discuss staggering approach. Possibly after the paper is released we can start with a phone call to help industry understand our needs and then a public meeting to finalize the information that we need for the new draft discretion policy - probably a complete list of plants and submission dates.

We cannot do all these things in series or we will not get done in time.

Nick,

When will I see a draft of the Commission Paper with the draft discretion proposal. We can get close to final and fill oin the blanks later. I sense that there will be a lot of noodling on the draft by the various internal stakeholders.

Thanks to all. We should probably set a target of April 15 for the final discretion paper to get to 17/18 so the Commission has enough time to act and still give the staff/industry time to implement.
Jack Grobe, Deputy Director, NRR

From: Haney, Catherine
To: Muessle, Mary
Subject: RE: Daily: 3 New Items from Tuesday, March 15, 2011
Date: Wednesday, March 16, 2011 12:14:00 PM

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ok

From: Muessle, Mary
Sent: Wednesday, March 16, 2011 12:13 PM
To: Haney, Catherine
Cc: Jaegers, Cathy; RidsNmssOd Resource; Pulliam, Timothy
Subject: FW: Daily: 3 New Items from Tuesday, March 15, 2011
Importance: High

We are coordinating to get this information in FOIA-like fashion. Our expectation is that NMSS will have the majority of the information. If you have already begun collecting information, OGC also told me that if we could mark whether the data is publically available that it would be helpful.

Mary Muessle
Assistant for Operations - Acting
Office of the Executive Director for Operations
U.S. Nuclear Regulatory Commission
301-415-1703 office
301-415-2700 fax

From: Muessle, Mary
Sent: Wednesday, March 16, 2011 12:10 PM
To: Jaegers, Cathy
Cc: Wallace, Denise; Sealing, Donna; Andersen, James; Landau, Mindy; Hirsch, Patricia
Subject: FW: Daily: 3 New Items from Tuesday, March 15, 2011
Importance: High

Cathy
Here is the background on the yellow I left with Denise. Please reach out to Donna in OIS to run this in a FOIA like fashion. We expect that most of the information would be from NMSS, SECY, EDO, OIG, and the Commission offices. OGC also told me that if we could mark whether the data is publically available that it would be helpful.
Thanks
Mary

Mary Muessle
Assistant for Operations - Acting
Office of the Executive Director for Operations
U.S. Nuclear Regulatory Commission
301-415-1703 office
301-415-2700 fax

From: Muessle, Mary
Sent: Wednesday, March 16, 2011 10:55 AM
To: Schaeffer, James; Boyce, Thomas (OIS)
Cc: Haney, Catherine; Janney, Margie; Holonich, Joseph
Subject: FW: Daily: 3 New Items from Tuesday, March 15, 2011
Importance: High

Tom and Jim
Please see below on Yucca Mountain request which is a FOIA-like request sent to all staff. We want to make sure that we handle this in the most orderly fashion. I am also sending an email that Patricia in OGC just sent out that has some of the offices on it with a request for a response date for the request. I would like to get a contact to get some recommendations on how we collect this and how we treat this.
Thanks

Mary Muessle
Assistant for Operations - Acting
Office of the Executive Director for Operations
U.S. Nuclear Regulatory Commission
301-415-1703 office
301-415-2700 fax

From: Weber, Michael
Sent: Tuesday, March 15, 2011 10:15 PM
To: Muessle, Mary
Cc: Andersen, James; Frazier, Alan; Haney, Catherine; Dorman, Dan
Subject: Action - Daily: 3 New Items from Tuesday, March 15, 2011

Please coordinate with OGC, OIS, and NMSS on the collection of records as requested by OGC in the first announcement. This appears to be a bit outside our FOIA process. Becuase it is different, it will warrant special attention to ensure that we perform properly.

Thanks

From: NRC Announcement <nrc.announcement@nrc.gov>
To: NRC Announcement
Sent: Tue Mar 15 22:00:07 2011
Subject: Daily: 3 New Items from Tuesday, March 15, 2011

NRC Daily Announcements Highlighted Information and Messages

Tuesday March 15, 2011 -- Headquarters Edition

General Interest: Document Hold Instructions Re: Yucca High Level Waste Repository

Employee Resources: Rotational Opportunity - NRR/DPR, Project Manager, GG-13/14/15

Event: New iLearn Semiannual Customer Satisfaction Survey

General Interest: Document Hold Instructions Re: Yucca High Level Waste Repository

Yellow Announcement No. 033, "Document Hold Instructions Re: Yucca High Level Waste Repository," is now available on the internal Web site under Yellow Announcements.

This announcement can also be found in the ADAMS 2011 Yellow Announcements folder in the Main Library of the ADAMS Document Manager. In the folder, Yellow Announcements are arranged in report number order.

If you have difficulty accessing a Web link in this announcement, contact the NRC Announcement Coordinator, Beverly Martin, ADM/DAS, 301-492-3674.

(2011-03-15 00:00:00.0) View item in a new window

Employee Resources: Rotational Opportunity - NRR/DPR, Project Manager, GG-13/14/15

The **Office of Nuclear Reactor Regulation, Division of Policy and Rulemaking,** has rotational opportunities for **GG-13/14/15** for 3- to 6-month assignments as a **Project Manager** in support of rulemaking activities. The start and end dates are negotiable.

Detailed information is available on the NRC internal Web page.

If you have difficulty accessing a Web link in this announcement, contact the NRC Announcement Coordinator, Beverly Martin, ADM/DAS, 301-492-3674.

(2011-03-15 00:00:00.0) View item in a new window

Event: New iLearn Semiannual Customer Satisfaction Survey

Beginning March 21, 2011, employees will have the opportunity to submit a brief and anonymous **iLearn Customer Satisfaction Survey**. Human Resources Training & Development conducts this survey semiannually. The survey helps us understand your satisfaction level with iLearn and also directs our continuous improvement efforts. The last survey indicated that iLearn user satisfaction improved significantly and we are working hard to continue that trend.
This survey only takes 3 to 5 minutes to complete. A link to the survey will be sent via e-mail from the iLearn system.
Please help us make iLearn better. Based on previous survey results we have:

Improved the process to assign required training.

-
- Added an easy computer diagnostic tool, available on the iLearn homepage.
- Improved the iLearn help desk password reset process.
- Improved iLearn email notifications with detailed explanations and links to job aids where appropriate.
- Added 42 new job aids to the iLearn homepage.
- Redesigned the iLearn homepage to make finding and searching for job aids a priority.
- Added a growing collection of e-books through Books 24x7, over 20,000 books from 463 publishers available through iLearn.
- Added over 500 new online courses.

If you have any questions, please contact Emaad Burki.

(2011-03-15 00:00:00.0) View item in a new window

The latest Announcements are always on the NRC@WORK Home Page.

Announcements by Date | Announcements by Category

Search Announcements: term term [Go]
Frequently Asked Questions About the NRC Daily Announcements Email

From: Coyne, Kevin
To: Bowman, Gregory
Cc: Armstrong, Kenneth; Correia, Richard; Coe, Doug; Stutzke, Martin; Hudson, Daniel
Subject: RE: Tracking List Update
Date: Wednesday, March 16, 2011 12:17:27 PM

(b)(5)

Let me know if you need anything else at this point –

Kevin

From: Bowman, Gregory
Sent: Wednesday, March 16, 2011 11:28 AM
To: Coyne, Kevin
Cc: Armstrong, Kenneth; Correia, Richard; Coe, Doug; Stutzke, Martin; Hudson, Daniel
Subject: RE: Tracking List Update

That helps. I think they have the pre-agenda planning meeting tomorrow. I'll let you know if get any additional questions.

(b)(5)

From: Coyne, Kevin
Sent: Wednesday, March 16, 2011 8:47 AM
To: Bowman, Gregory
Cc: Armstrong, Kenneth; Correia, Richard; Coe, Doug; Stutzke, Martin; Hudson, Daniel
Subject: RE: Tracking List Update

Greg –

(b)(5)

Hope this helps explain the basis – definitely let me know if you need more information –

Kevin

From: Bowman, Gregory
Sent: Wednesday, March 16, 2011 8:20 AM
To: Coyne, Kevin
Cc: Armstrong, Kenneth
Subject: RE: Tracking List Update

I spoke with Jim briefly about the scheduling note. (b)(5)

(b)(5)

From: Coyne, Kevin
Sent: Tuesday, March 15, 2011 6:36 PM
To: Andersen, James; Bowman, Gregory
Cc: Armstrong, Kenneth; Hudson, Daniel; Ibarra, Jose; Coe, Doug; Gibson, Kathy; Scott, Michael; Correia, Richard; Ader, Charles; Cheok, Michael; Tinkler, Charles; Stutzke, Martin; Sheron, Brian; Uhle, Jennifer; Santiago, Patricia
Subject: RE: Tracking List Update

Jim, Greg –

(b)(5)

Please let me know if you need any additional information at this time –

Kevin

Kevin Coyne, P.E., Ph.D.
Chief, Probabilistic Risk Assessment Branch
Division of Risk Analysis, Office of Nuclear Regulatory Research
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001
(301) 251-7586 (work)
(b)(6) *(cell)*

From: Andersen, James
Sent: Monday, March 14, 2011 11:56 AM
To: Coyne, Kevin
Subject: FW: Tracking List Update

From: Andersen, James
Sent: Monday, March 14, 2011 11:16 AM
To: Santiago, Patricia
Cc: Bowman, Gregory; Scott, Michael; Gibson, Kathy
Subject: RE: Tracking List Update

Pat, I left a message for you on this. The Chairman's office is interested in a possible Commission meeting on SOARCA/Level 3 PRA in July (see below) and would like us to develop a scheduling note on it. Of course they are looking for a quick turnaround. I have provided some guidance on scheduling notes in the attached file. Please give me a call when you get a chance. Thanks.

Jim A.
415-1725

From: Bavol, Rochelle
Sent: Monday, March 14, 2011 10:42 AM
To: Andersen, James
Subject: FW: Tracking List Update

Jim,

I spoke briefly with Angela this morning about agenda planning for July meetings...

She'd like to know staff's views on the order of priority for July meetings if we can't do them all:

- GEIS for License Renewal
- IRRS Action Plan
- Licensing Medical Isotope Production
- RTR License Renewal
- Level 3 PRA and SOARCA

Since the Level 3 PRA paper coming July 7th will include options on how to proceed with both SOARCA and Level 3 PRA activities, she thought it might be good to have a Commission meeting to inform Commission voting on the paper. We had this on the list for a meeting in July, then moved it to later. Would you please ask staff to put together a scheduling note and ask their thoughts on such a Commission meeting in July.

We're still going to try to meet with Angela this Thursday, 3/17 at 10, since pre-agenda with the Chairman is moved to 3/22.

Rochelle

From: Jolicoeur, John
To: Miller, Barry; Quay, Theodore
Cc: NRR_DPR_PLPB_Distribution
Subject: I"m woking at home
Date: Wednesday, March 16, 2011 12:30:03 PM

(b)(6) I'm working at home. If you need to reach me, call my blackberry (b)(6)).

John

From: (b)(6)
To: Narick, Marianne; Heida, Bruce
Cc: Cheok, Michael; Mallory, Rashaunda; (b)(6)
Subject: RE:
Date: Wednesday, March 16, 2011 12:32:20 PM

Marianne,

My contract has ended as of 12/31/10, so technically I'm not a TM right now.

I will be in touch with my management regarding if they want me to keep my certifications up for future contracts.

Dan

From: Narick, Marianne
Sent: Wednesday, March 16, 2011 12:13 PM
To: Heida, Bruce
Cc: Cheok, Michael; Mallory, Rashaunda; (b)(6)
Subject:

Hi Bruce:

I'm writing to ask for your help... There are a couple of TMs in DRA that have not earned their Acquisition Certificate that are on active contracts/agreements at this time. Three sessions have been added to iLearn to occur between now and the end of June, 2011 (deadline for certification). Can you please work with the TMs listed below to ensure their timely registration for the required courses so that they achieve completion of certification requirements by the end of June? I'd really appreciate a confirmation email with registration dates as we are now having to track this.

1) (b)(6) needs workshops 5 and the online Market Research class (now in iLearn); and
2) (b)(6) needs workshops 3, 4, 5, 12 and the online Market Research class;

Thanks,

Marianne Narick
Chief, NRR Contracts Management Branch
US Nuclear Regulatory Commission
301-415-2175

From: John.STEIN@oecd.org
Subject: RWMC-44: participants expected on 23-24 March at OECD Conference Centre
Date: Wednesday, March 16, 2011 12:33:17 PM
Attachments: RWMC-44 not expected.pdf
Delegation contacts.pdf

MESSAGE SENT ON BEHALF OF CLAUDIO PESCATORE

Dear RWMC members and participants in the RWMC-44,

Nearly 70 participants have registered for the RWMC-44 meeting next week. If your name is on the attached list of those not registered but you are planning to attend, please inform us as well as your national delegation to the OECD.

Please continue to check for updates on the meeting website: http://www.oecd-nea.org/download/rwmc/ In particular, nearly 10 country updates for Item 7 are now available. Powerpoint presentations will begin to be available starting tomorrow. We would like to remind you to bring copies of the documents to the meeting.

If you have any questions about accessing the website or regarding meeting registration, please contact john.stein@oecd.org

Kind regards on behalf of the RWMC Chair and the NEA Secretariat.

Claudio Pescatore

John Stein - OECD Nuclear Energy Agency (NEA)
Radiation Protection and Radioactive Waste Management Division
Mailing address: 2 rue André-Pascal, 75775 Paris Cedex 16, France
Office address: Le Seine Saint-Germain, 12 Boulevard des Iles, 92130 Issy-les-Moulineaux, France
Email: john.stein@oecd.org / Tel: +33 (0)1 45 24 10 41 / Fax: +33 (0)1 44 30 61 11
Update your bookmarks!
On 1 December 2010, the NEA is moving to:
www.oecd-nea.org

Best Wishes for 2011! / Meilleurs voeux pour 2011 !

FOR RWMC-44 MEETING ON 23-24 MARCH 2011

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Mr. Don HOWARD	don.howard@cnsc-ccsn.gc.ca
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Mr. Tero VARJORANTA	t.varjoranta@iaea.org

CONTACT INFORMATION IN OECD NATIONAL DELEGATIONS FOR REGISTRATION TO OECD NEA EVENTS

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Romania (Observer)	Please register through the NEA Secretariat	
Russian Federation (Observer)	Please register through the NEA Secretariat	
Others	Please register through the NEA Secretariat	

If you have any questions concerning the registration process, please contact the NEA Secretariat (john.stein@oecd.org)

From: John.STEIN@oecd.org
Subject: RWMC-RF-14: participants expected on 22 March at NEA premises in Issy les Moulineaux
Date: Wednesday, March 16, 2011 12:37:39 PM
Attachments: Delegation contacts.pdf
RF-14 not expected.pdf

MESSAGE SENT ON BEHALF OF CLAUDIO PESCATORE

Dear RF members and participants in the RF-14,

20 participants have registered for the RF-14 meeting next week. If your name is on the attached list of those not registered but you are planning to attend, please inform us as well as your national delegation to the OECD.

We would like to remind you to bring copies of the documents to the meeting.

Kind regards on behalf of the RWMC-RF Chair and the NEA Secretariat.

Claudio Pescatore

John Stein - OECD Nuclear Energy Agency (NEA)
Radiation Protection and Radioactive Waste Management Division
Mailing address: 2 rue André-Pascal, 75775 Paris Cedex 16, France
Office address: Le Seine Saint-Germain, 12 Boulevard des Iles, 92130 Issy-les-Moulineaux, France
Email: john.stein@oecd.org / Tel: +33 (0)1 45 24 10 41 / Fax: +33 (0)1 44 30 61 11
Update your bookmarks!
On 1 December 2010, the NEA is moving to:
www.oecd-nea.org

Best Wishes for 2011! / Meilleurs voeux pour 2011 !

CONTACT INFORMATION IN OECD NATIONAL DELEGATIONS FOR REGISTRATION TO OECD NEA EVENTS

COUNTRY	EMAIL	PHONE
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Romania (Observer)	Please register through the NEA Secretariat	
Russian Federation (Observer)	Please register through the NEA Secretariat	
Others	Please register through the NEA Secretariat	

If you have any questions concerning the registration process, please contact the NEA Secretariat (john.stein@oecd.org)

LIST OF RWMC-RF MEMBERS NOT REGISTERED | FOR RF-14 MEETING ON 22 MARCH 2011

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SLOVAK REPUBLIC

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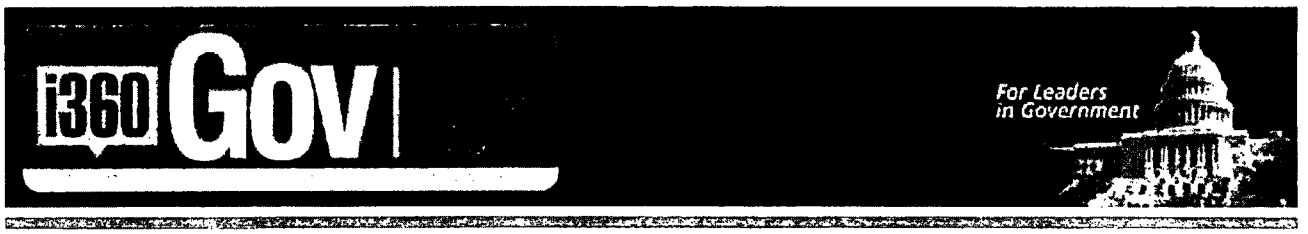
SWEDEN

Mr. Johan ANDERBERG johan.anderberg@ssm.se

Satorius, Mark

From: info=i360gov.com@reply.bm23.com on behalf of i360Gov Webinars [info@i360gov.com]
Sent: Wednesday, March 16, 2011 12:36 PM
To: Satorius, Mark
Subject: Study Results: Private Cloud Formation

Having trouble viewing this e-mail? **Click here** to view as a web page.
To ensure our emails reach your inbox, add **info@i360gov.com** to your address book or Safe Sender List.



Private Clouds: The Results Are In.

Greetings,

The results and analysis of i360Gov's research study regarding private cloud initiatives in government agencies will be presented in a complimentary webinar on **Tuesday, Mar. 22, 2011 at 2 PM Eastern.**

Please join our subject-matter-experts **Lee Badger (NIST)** and **Doug Bourgeois (formerly with U.S. Dept of Interior and the U.S. Patent and Trademark Office**, as we present and discuss the results of this study, and explore the benefits of a private cloud versus a public cloud.

Click here to register for this complimentary webinar.

All webinar registrants will receive a copy of i360Gov's special report detailing the results of this study.

Should you have any questions, please call me directly at 919-577-0898.

Thank you for your time.

Warm regards,

Jon Morton

Jon Morton
President
i360Gov, Inc.
919-577-0898 (office)
(b)(6) (mobile)
919-577-0897 (fax)
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From: Haney, Catherine
To: Mohseni, Aby
Subject: RE: Congressional request for Yucca documents
Date: Wednesday, March 16, 2011 12:40:00 PM

Lets try to do that today or tomorrow.

From: Mohseni, Aby
Sent: Wednesday, March 16, 2011 12:40 PM
To: Haney, Catherine
Cc: Kokajko, Lawrence
Subject: RE: Congressional request for Yucca documents

Cathy,
Lawrence has been discussing this issue internally and we can discuss with you at your convenience.
Aby

From: Haney, Catherine
Sent: Wednesday, March 16, 2011 12:38 PM
To: Mohseni, Aby
Cc: Kokajko, Lawrence
Subject: RE: Congressional request for Yucca documents

(b)(5)

From: Mohseni, Aby
Sent: Wednesday, March 16, 2011 12:37 PM
To: Hirsch, Patricia; Haney, Catherine; Schmidt, Rebecca; Droggitis, Spiros; Poole, Brooke; Vietti-Cook, Annette; Muessle, Mary; Weber, Michael; Ash, Darren; Nichols, Russell; Sealing, Donna; Holonich, Joseph; Powell, Amy; Young, Mitzi; Burns, Stephen; Rothschild, Trip; Itzkowitz, Marvin; Dorman, Dan; Batkin, Joshua; Coggins, Angela; Clark, Lisa; Sharkey, Jeffry; Reddick, Darani; Sosa, Belkys; Davis, Roger; Bubar, Patrice; Bupp, Margaret; Nieh, Ho; Zorn, Jason; Crockett, Steven; Croston, Sean; Suttenberg, Jeremy; Cordes, John
Subject: RE: Congressional request for Yucca documents

Patricia,
The Committee letter requests electronic version of Vol 3 by March 23, as opposed to your email that stated April 1. See quote below from committee's letter.

The Committee requests that the NRC produce Volume III of the SER in its unredacted, electronic form no later than noon on March 23, 2011. \Ve ask that you provide the remaining requested information and documents as soon as possible, but no later than 5:00 p.m. on April 1,2011.

Aby

From: Hirsch, Patricia
Sent: Wednesday, March 16, 2011 10:46 AM
To: Haney, Catherine; Schmidt, Rebecca; Droggitis, Spiros; Poole, Brooke; Vietti-Cook, Annette; Muessle, Mary; Weber, Michael; Ash, Darren; Nichols, Russell; Sealing, Donna; Holonich, Joseph; Powell,

Amy; Young, Mitzi; Burns, Stephen; Rothschild, Trip; Itzkowitz, Marvin; Dorman, Dan; Batkin, Joshua; Coggins, Angela; Clark, Lisa; Sharkey, Jeffry; Reddick, Darani; Sosa, Belkys; Davis, Roger; Bubar, Patrice; Bupp, Margaret; Nieh, Ho; Zorn, Jason; Crockett, Steven; Croston, Sean; Suttenberg, Jeremy; Cordes, John
Subject: Congressional request for Yucca documents

Hopefully, you have all seen the yellow announcement that was posted yesterday concerning the House Committee on Oversight and Government Reform request for information and documents concerning Yucca. (if you haven't, I have pasted it below, and I attached the Committee's request)
First order of business is to get from each of you an estimate of a reasonable date you can provide OGC your responsive documents, or in some instances, the requested timelines. While the request itself set the 23rd of March as the due date for most of the documents, and April 1, for the delivery of the un-redacted SER volume 3, I understand that the committee staff has indicated these dates can be pushed back a while due to the emergency in Japan.

Notwithstanding the fact that my name is on the yellow announcement as the point of contact, it will actually "take a village" to get this done. In OGC, Sean Croston and Jeremy Suttenberg will be staffing this with me, if I am out, Steve Crockett will be acting for me.

I know everyone is busy and I really appreciate everyone's cooperation with this task. Thanks!

Pat Hirsch
Assistant General Counsel for Legal Counsel,
Legislation and Special Projects
Mail Stop O-15 D21
301-415-0563

Announcement No. 033

Date: March 15, 2011

To: **All NRC Employees**

SUBJECT: DOCUMENT HOLD INSTRUCTIONS RE: YUCCA HIGH LEVEL WASTE REPOSITORY

The House of Representatives Committee on Oversight and Government Reform has requested documents and information related to the Yucca High-Level Waste Repository matter. NRC employees are directed to maintain all pertinent documents falling within the scope of the request, which is described below. Requested records, documents, data, or information should not be destroyed, modified, removed, transferred or otherwise made inaccessible. The request includes documents or information in your possession or control or held by employees or agents acting on your behalf. The request includes electronically stored information (ESI) which is the preferred format, as well as hard copies of documents.

What You Need to Do

It is your responsibility to ensure that any potentially relevant information related to this matter/case that is within your possession, custody, or control, is preserved and not destroyed, even if the policy or practice of your office would normally dictate otherwise.

What Must Be Preserved

The information that must be preserved includes Electronically Stored Information ("ESI"), hard copies of documents, and tangible things. ESI includes, but is not limited to, computer files of any type (word processing documents, e-mail messages, spreadsheets, calendar entries, and flash memory media, including USB drives and memory cards). It includes not only information stored on NRC computers but can also include information stored on home computers, personal laptop computers, PDAs such as Palm Pilots and Blackberries, and mobile phones, if used for NRC work.

All information, including privileged information, must be preserved.

If you identify responsive documents, you will receive additional instructions for producing this information for provision to the Committee. In the meantime, please carefully review this e-mail and preserve all materials in accordance with these instructions.

Thank you in advance for your cooperation in this matter. If you have any questions regarding which materials should be preserved or how they should be preserved, or suggestions, please do not hesitate to contact Patricia Hirsch, Assistant General Counsel for Legal Counsel, Legislation and Special Projects at 301-415-1607 or by e-mail.

RECORDS and INFORMATION REQUESTED:

1. A timeline of significant events related to the Commission's review of the ASLB's decision on DOE's motion to withdraw the license application,
   Including, but not limited to the following:
   a) Filing of each Commissioner's vote
   b) Withdrawal of any Commissioner's vote
   c) Active deliberation or discussions between Commissioners or their staffs.

2. Documents and communications, including e-mails, relating to the Commission's review of the ASLB's decision on DOE's motion to withdraw the license application.

3. Documents and communications, including e-mails, relating to reasons for the delay between the filing of the final Commissioner's vote and the scheduling of the affirmation session.

4. A timeline of all significant events related to the "orderly closure" of the High-Level Waste Program and the use of Nuclear Waste Fund resources under the Continuing Resolution, including but not limited to the following:
   a) Communication to or among the Commissioners or their respective staffs
   b) Internal communication to NRC staff

5. Documents and communications, including e-mails, relating to all significant dates concerning the "orderly closure" of the High-Level Waste Program and the use of Nuclear Waste Fund resources under the Continuing Resolution.

6. Documents and communications, including e-mails, exchanged among or originated by the Commissioners, their respective staffs, and the Commission staff relating to the funding of the High-Level Waste Program in FY2011. This request includes any reviews or recommendations provided by the Office of the General Counsel.

7. Documents and communications including e-mails exchanged among or originated by the Commissioners, their respective staffs, and Commission staff relating to the release of Volume III of the SER.

8. A statement by each individual responsible for reviewing and signing Volume III of the SER specifying whether he/she received the document for final concurrence and whether and when he/she gave that concurrence.

9. Documents and communications, including e-mails, related to the decision to develop a report separate from the SER to document the NRC staff's technical review activities completed to date.

10. Volume III of the SER, in un-redacted form.

/RA/

Stephen G. Burns
General Counsel

From:	White, Bernard
To:	Haney, Catherine
Cc:	Smith, James; Dorman, Dan; Tschiltz, Michael; Kinneman, John; Bailey, Marissa; Weaver, Doug; Ordaz, Vonna; Rodgers, Mary; Gallardy, Vivian; Cooper, LaToya; Damiano, Debra
Subject:	FW: PON Fuel Cycle Facilities
Date:	Wednesday, March 16, 2011 12:40:30 PM
Attachments:	NMSS201100092 - Protecting Our Nation NMSS Comments.docx
Importance:	High

Cathy,

FCSS has reviewed the Fuel Cycle write-up below for inclusion in Protecting our Nation, and with the comments already forwarded to NSIR (see attachment) on the original draft (see attached) recommends concurrence on the revision to NUREG/BR-0314.

Please do not hesitate to contact me if you have any questions. Please note that NSIR is looking for our concurrence today.

Bernie

From: Stone, Rebecca
Sent: Monday, March 14, 2011 1:23 PM
To: Berry, Rollie
Subject: PON Fuel Cycle Facilities

Rollie,

Below is the additional section. I need comments on this section and concurrence on the complete document by COB Wednesday (3/16).

Fuel Cycle Facilities

(b)(5)

(b)(5)

Thanks,

Rebecca Stone
Response Program
Office of Nuclear Security and Incident Response
U.S. Nuclear Regulatory Commission
301-415-5634 (Office)
e-mail: Rebecca.Stone@nrc.gov

Protecting Our Nation

A Report of the U.S. Nuclear Regulatory Commission

Office of Nuclear Security and Incident Response

Acknowledgements

Samuel Bazian

Margaret S. Cervera

Rebecca A. Clinton

Jonathan A. Fiske

Christopher J. Lamb

Melissa C. Ralph

Rebecca A. Stone

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(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

From: CSC_PasswordStation@nrc.gov
To: Virgilio, Martin
Subject: NRC Customer Support Center: Your Password Will Expire in 12 Days
Date: Wednesday, March 16, 2011 12:41:10 PM

NRC Customer Support Center: Your Password Will Expire in 12 Days

We recommend that you change your network password now to avoid any potential difficulties logging in to your workstation.

Changing your password with Avatier Password Station is a quick and simple process - You will not have to reboot your workstation or log off after changing your password.

To validate the authenticity of this NRC email and learn how to enroll in Avatier Password Station, click the following NRC web server link:
http://www.internal.nrc.gov/ois/CScatalog/customerservicecatalogs/announcements/changingpassword.html

If you already know how to change your password using Password Station, and would like to go to Password Station now, click the following link: https://selfservice.nrc.gov/aims/ps/default.aspx

Note: If you're reading this email through Outlook Web Access, this link will not work. Please log in to the NRC network directly, or through Citrix remote access, to use Password Station.

If you require additional assistance, please contact the Customer Support Center (CSC).

Customer Support Center (CSC)
Mon – Fri 6:00 AM – 9:00 PM (EST) and Sat and Sun 9:00 AM – 9:00PM (EST)
Phone: 301-415-1234, Option 2
Email: CSC@nrc.gov

Note: Please do not reply to this email. This is for notification only and your emails will not be received.

Dean, Bill

From: Dean, Bill
Sent: Wednesday, March 16, 2011 12:45 PM
To: Cohen, Miriam
Subject: RE: Succession planning

I am, but as you can imaging, region I is inundated with media, congress, states, etc.

Bill

-----Original Message-----
From: Cohen, Miriam
Sent: Wednesday, March 16, 2011 12:38 PM
To: Dean, Bill
Subject: RE: Succession planning

(b)(5)

-----Original Message-----
From: Dean, Bill
Sent: Wednesday, March 16, 2011 12:37 PM
To: Cohen, Miriam
Subject: RE: Succession planning

(b)(5)

Bill

-----Original Message-----
From: Cohen, Miriam
Sent: Wednesday, March 16, 2011 12:37 PM
To: Dean, Bill
Subject: RE: Succession planning

I will confirm for you. It's crazy with the lack of "credible" information coming out from Japan. What are you hearing?

-----Original Message-----
From: Dean, Bill
Sent: Wednesday, March 16, 2011 12:36 PM
To: Cohen, Miriam
Subject: RE: Succession planning

Well, yeah, but assume that it will be delayed given the focus of our senior managers on japan issues.

Bill

-----Original Message-----
From: Cohen, Miriam
Sent: Wednesday, March 16, 2011 12:35 PM

To: Dean, Bill
Subject: RE: Succession planning

Is that a question?

-----Original Message-----
From: Dean, Bill
Sent: Wednesday, March 16, 2011 12:34 PM
To: Cohen, Miriam
Subject: Succession planning

Assume it will be postponed.
Bill Dean
Regional Administrator
Region I, USNRC
Sent from NRC BlackBerry

Satorius, Mark

From: Pederson, Cynthia
Sent: Wednesday, March 16, 2011 12:49 PM
To: Boland, Anne; Holt, BJ; Sotiropoulos, Dina; Shear, Gary; Louden, Patrick; Satorius, Mark; OBrien, Kenneth; Reynolds, Steven; West, Steven
Subject: FW: EDO Alignment/Pre-briefs for Commission Meetings
Attachments: EDO Alignment. Prebriefs for CM Meetings.doc

From: Taylor, Renee
Sent: Wednesday, March 16, 2011 11:59 AM
To: Andersen, James; Ash, Darren; Blount, Tom; Boger, Bruce; Borchardt, Bill; Bowman, Adriane; Boyce, Thomas (OIS); Boyd, Lena; Buckley, Patricia; Cannady, Ashley; Carpenter, Cynthia; Casby, Marcia; Casto, Chuck; Cianci, Sandra; Cohen, Miriam; Collins, Elmo; Collins, Jay; Cooper, LaToya; Corley, Cherrie; Damiano, Debra; Dapas, Marc; Dean, Bill; Dubose, Sheila; EDO_ETAs; Evans, Michele; Flory, Shirley; Garland, Stephanie; Givvines, Mary; Greene, LaTosha; Grobe, Jack; Haney, Catherine; Hasan, Nasreen; Higginbotham, Tina; Holahan, Gary; Howard, Patrick; Johnson, Michael; Kelley, Corenthis; Landau, Mindy; Lee, Pamela; Leeds, Eric; Lockhart, Denise; Lubinski, John; Mamish, Nader; Matakas, Gina; Mayberry, Theresa; McClain, Nicole; McCrary, Cheryl; McCree, Victor; McGinty, Tim; Miles, Patricia; Miller, Charles; Mitchell, Matthew; Muessle, Mary; ODaniell, Cynthia; Owen, Lucy; Pederson, Cynthia; Penny, Melissa; Plisco, Loren; Quesenberry, Jeannette; Riddick, Nicole; Ronewicz, Lynn; Ross, Brenda; Salus, Amy; Satorius, Mark; Scarbrough, Thomas; Schaeffer, James; Schumann, Stacy; Schwarz, Sherry; Sheron, Brian; Sprogeris, Patricia; Tannenbaum, Anita; Taylor, Renee; Terry, Leslie; Thomas, Loretta; Tomczak, Tammy; Uhle, Jennifer; Veltri, Debra; Virgilio, Martin; Walker, Dwight; Weber, Michael; Wiggins, Jim; Williams, Barbara; Zimmerman, Roy
Subject: EDO Alignment/Pre-briefs for Commission Meetings

An updated list is attached, please ensure that your calendar reflects the changes as needed.

Thank you,
Renee

From:	Gnugnoli, Giorgio
To:	ForeignTravel
Cc:	Chang, Lydia; Abu-Eid, Boby; Schwartzman, Jennifer; Rothschild, Trip
Subject:	Pre-notification Trip Report - Joint Convention - Organizational Meeting
Date:	Wednesday, March 16, 2011 12:55:36 PM
Attachments:	image001.png Pre-Trip Notification 2010-08-18.doc

---

The subject pre-trip notification is attached, as well as being available from ADAMS ML11750339.

Giorgio Gnugnoli
Division of Waste Management and Environmental Protection
U.S. Nuclear Regulatory Commission
Mail Stop T 8 F 5
Tel 301-415-7432
Fax 301-415-5369

U.S.NRC
UNITED STATES NUCLEAR REGULATORY COMMISSION
Protecting People and the Environment

U.S.NRC

UNITED STATES NUCLEAR REGULATORY COMMISSION

Protecting People and the Environment

International Travel Pre-Trip Notification

This is due 30 days before trip start date. Please complete the light shaded area.

TRAVEL INFORMATION

• **Traveler Name(s):** (include Office/Division)	Larry Camper, FSME/DWMEP Giorgio Gnugnoli, FSME/DWMEP	• **Phone #(s):**	415-6673 415-7432
• **E-mail Address(es):**	Larry.Camper@nrc.gov Giorgio.Gnugnoli@nrc.gov	• **Location(s):**	T-8 F 2 T-8 D 37
• **Multiple Travelers:**	☒ **Less than 4** ☐ **4 or more** (see below)		
If 4+, Coordinating Office:			

If 4+, Office Director Approvals:	(1)	**CHOOSE ONE OF THE FOLLOWING**	Date:	
(Office Director approves travelers	(2)	**CHOOSE ONE OF THE FOLLOWING**	Date:	
from his/her office only)	(3)	**CHOOSE ONE OF THE FOLLOWING**	Date:	
	(4)	**CHOOSE ONE OF THE FOLLOWING**	Date:	

ADAMS Accession Number: [If 4+, Submit NRC Daily Note with ML# of pre-trip notification 30 days before trip start date]	
• **Travel Dates** [mm/dd/yyyy]:	05/07/2011 - 05/15/2011
• **Destination(s)** [City, Country]:	Vienna, Austria
• **Framework:**	☐ **Export and Import Licensing** ☐ **Multilateral Cooperation and Assistance** ☒ **Treaties, Agreements, and Conventions** ☐ **International Cooperative Research** ☐ **Bilateral Cooperation and Assistance** ☐ **Other (specify)**
• **International Organization:**	☐ NEA/CSNI ☐ NEA/CNRA ☐ NEA/RWMC ☐ NEA/MDEP ☐ NEA/CRPPH ☐ IAEA/NS(TRANSSC) ☒ IAEA/NS(WASSC) ☐ IAEA/(NUSSC) ☐ IAEA/NS(RASSC) ☐ IAEA/Safeguards ☒ IAEA/NS ☐ IAEA/NE ☐ IAEA/Technical Cooperation ☐ Other: _____
• **Purpose of Travel:**	Represent U.S.G. at the Organizational Meeting of the Joint Convention to elect officers for the 4th Review Meeting of the Contracting Parties. Selection of Open-ended Working Group meeting topics and transition of duties to newly elected officers.
• **Desired Outcome:**	To have a U.S.G. senior executive elected to Country Group Chair; secondary outcomes would be to have U.S.G. personnel serve as Country Group rapporteurs and co-ordinators for the Review Meeting. Also to influence topics selected for the Open-ended Working Group Meeting.
• **Traveler Role(s):**	L. Camper is a candidate for one of the Country Group Chairs; G. Gnugnoli will work with the other USG representatives to provide programmatic and technical support for elections and for topic development for the Review Meeting to be held the following

	year..
• **Is this an NRC Core or Non-Core Trip?** [*Core* means NRC-Funded. *Non-Core* is externally funded or travel to Canada]	☒ Core ☐ Non-Core
• **Is there a speech or presentation to be given?** [If yes, send ADAMS ML# of presentations in an EDO One Week Look Ahead]	☐ Yes ☒ No
• **Are policy issues or other items of Commission interest to be raised?**	☐ Yes ☒ No
If yes, how will the Commission be informed?	

From:	Balarabe, Sarah
To:	Haney, Catherine; Bamford, Peter; Bahadur, Sher
Cc:	Huang, Tai; Ulses, Anthony
Subject:	R/F Revision to Technical Specifications Safety Limit Minimum Critical Power Ratio for Perry Nuclear Power Plant
Date:	Wednesday, March 16, 2011 12:57:03 PM
Attachments:	ML110700540.ADC

Date: March 14, 2011

Memorandum To: Robert Carlson

From: Anthony Ulses

Subject: Revision to Technical Specifications Safety Limit Minimum Critical Power Ratio for Perry Nuclear Power Plant

ADAMS: ML110700540

From:	Grobe, Jack
To:	Ruland, William
Subject:	Re: I don"t need counseling. I need to work. <eom>
Date:	Wednesday, March 16, 2011 1:02:40 PM

You and I are more resilient. Others may need help
Jack Grobe, Deputy Director, NRR

From: Ruland, William
To: Grobe, Jack
Sent: Wed Mar 16 13:01:17 2011
Subject: I don't need counseling. I need to work. <eom>

et 6

From: (b)(6)
To: Golla, Joe
Subject: (b)(6)
Date: Wednesday, March 16, 2011 1:03:18 PM

(b)(6)

(b)(6)

(b)(6)

From: Tallarico, Alison
To: Baker, Pamela
Cc: Bailey, Marissa; Coe, Doug; Landau, Mindy; Ficks, Ben; Rajnic, Cecilia
Subject: RE: Scripts Used for the Supervisory Workshop on Performance Communications
Date: Wednesday, March 16, 2011 1:04:00 PM

Thanks very much!

And I just returned from an OPM Performance Management Forum and the training contact mentioned that OPM is developing an online course that will deal w/ having difficult conversations, and will likely involve role playing. Gee, I wonder where they got that idea! So your wonderful work will be famous.

Thanks
Alison
301-492-2326

From: Baker, Pamela
Sent: Wednesday, March 16, 2011 10:16 AM
To: Tallarico, Alison
Cc: Bailey, Marissa; Coe, Doug; Landau, Mindy; Ficks, Ben; Rajnic, Cecilia
Subject: RE: Scripts Used for the Supervisory Workshop on Performance Communications

Alison,
Attached is the script Mindy and I followed for our segment of the Performance Communications Workshop.
Pam Baker

From: Tallarico, Alison
Sent: Tuesday, March 15, 2011 2:40 PM
To: Bailey, Marissa; Coe, Doug; Baker, Pamela; Landau, Mindy; Rajnic, Cecilia; Ficks, Ben
Subject: Scripts Used for the Supervisory Workshop on Performance Communications

Hello all,

OPM asked about the performance workshop we conducted last September, and specifically requested a copy of the scripts used for the role-playing sessions. I had received the synopses w/ the key messages, but we were hoping to share the actual scripts. If you all still have them, could you e-mail them to me for sharing w/ my OPM contact?

Thanks
Alison
301-492-2326

Performance Communications Workshop

Scenario: Less than Fully Successful Performer

Key Messages:

1. **No Surprises**: Final rating discussion should not be the first time an employee is apprised of a decline in performance. Discussion should build upon previous discussions including mid-year and interim feedback. It is suggested that supervisors maintain notes, document prior discussions, and share these with the employee.

2. **Balanced Delivery**: Provide both positive and constructive feedback. Final appraisal should not result in a dumping or loading on of what the employee's gap in performance. Use the established performance elements to provide your assessment; where is the employee performing successfully and where are the challenges.

3. **Don't bury the lead**: Constructive feedback should be conveyed early in the discussion. Be truthful and genuine so that message is received. Get to the main objective of the discussion quickly. Do not "sugar coat" the essential message.

4. **Provide concrete examples:** Examples should be specific, identify what the expectations were, the resultant performance gap and its organizational impact.

5. **Develop a forward-looking plan:** Assess what actions can be taken. Recommend a counseling memo that clearly identifies actions (e.g., training), timeframes, and deliverable. Describe what desired performance should look like with examples that are recognizable to the employee.

6. **Summarize and document**: End session by reinforcing positive and constructive feedback. Itemize agreed upon actions including the establishment of a follow– up schedule or frequency and documentation such as a counseling memo.

Scenario: Supervisor Pam is meeting with employee Mindy to discuss her final rating of performance for the appraisal period. During the mid-year discussion with Mindy, Pam shared with her a few examples where Mindy's late completion of work products, specifically her monthly hours report was causing her performance to trend downward. At that time, Pam offered her assistance in getting Mindy more training on the new application and re-directing some of her collateral workload to others on the team. Mindy assured Pam that she had things in control and would attend more to the monthly suspense dates. Since mid-year there has been an increase in the frequency of delinquent reports which Pam has continually shared with Mindy, each time asking if there was something she could assist Mindy with.

Pam: Good morning Mindy. As you know, I've scheduled to meet with you to discuss your performance and provide you your annual rating on your Elements and Standards. My evaluation is based upon my observations along with input from you, the team, and other feedback I've received.

Mindy: I guess you're going to tell me how bad I'm doing. Can we just get this over with?

Pam: I was hoping we could review how things have gone in the specific areas of your performance plan. In the area of teamwork, you have made positive contributions to the working group and in your collateral duties. In this regard, you have become the go-to-person and readily share your expertise and creativity. Your efforts on a variety of working groups and committees readily show you as a true team player who embodies the aspects of an open collaboration.

Mindy: I appreciate being given the opportunity to be on the working group. That project was intense and took a lot more effort than I thought it would. You know I filled in for others who claimed they had to get their own work done first.

Pam: I'm glad you brought that up, as we discussed at mid-year and several times recently, you have missed the deadlines on a number of your regular assignments.

Mindy: I know I was late that one time and when I had that extension, I figured it was okay to turn in one or two after the 5th of the month. No one complained to me.

Pam: Actually, Mindy the lateness has become more pronounced to the extent that you only submitted half of your monthly reports for the year on time. I have reminded you on at least three occasions since mid year that you have to get your reports in on time~~. I have reminded you of the Fully Successful standard of 70% timely completion of monthly reports.~~ . Mindy, based on that standard, you are performing below an acceptable level. And because this is one of your critical elements, I am giving you an overall rating of Minimally Successful.

Mindy: Wow, I know I was falling off but I didn't think it was that bad. I don't recall you and I having that conversation.

Pam: Last month I forwarded you an email from Director Smith indicating that our division's late report submission was having a direct impact on the timeliness of monthly billing~~? At that time, I asked if you were having difficulty with the extra projects and getting your regular work done.~~ Because you were overloaded, ~~W~~we agreed that having Ben serve as your back-up ~~to the work group~~ would give you some relief. How is that working?

Mindy: Well in all honesty Ben and my schedule never seemed to coincide for me to get him up to speed on the project. I don't get the feeling Ben really wants to help me. ~~You know how it is, I didn't want to interfere with his work, plus the group is really depending on my expertise.~~

Pam: Another concern you expressed to me was your lack of familiarity with SharePoint now that we are entering our reports into that database. I approved your iLearn request for the online tutorial. Has that helped?

Mindy: Not really, I do better with one-on one instruction. I don't care much for iLearn. ~~Ol though about asking Diane, I heard she was virtually a SharePoint guru at the job she came from, but she's new in here and I'm expected to be training her not the other way around.~~

Pam: Reviewing my notes form our mid-year discussion, you made mention of some challenges you were having at home.

Mindy: Yeah just as our nest emptied with my youngest graduating college, my dad gets sick and ends up having to move in with us.

Pam: The Employee Assistance Program provides counseling service and is completely confidential. Mindy six months ago we laid out some things for you to consider to help you re-focus on your primary work responsibilities in order to improve your declining performance. As I listen to you now I see that we may need to develop a more concrete plan. We are a team here and our success comes when we help each other. As a member of the team and it is important for you let me know what you need and that you believe you have the support from me and others.

Mindy: I don't feel like I've been getting support from the people on my team. They always talk behind my back. Also, my workload is larger than any of theirs. And I'm not very fast... I like to do things at my own pace. I hate to ask for help it makes me feel like I'm stupid or a failure. ~~I see that with the new employees but I've been here forever and I don't want to look needy or like I don't know what I'm doing.~~

Pam: Asking for help is not stupid, what is not smart is not asking when you need it. How we do our work has changed with technology and many of us are learning. Plus, we're all a

team and when one of us drops the ball, we all looks bad. We work together to get the job done. Going forward I'd like to outline some specific actions we can take together to turn around this downward trend in your performance. First, now that the work group's task is done, let's curtail your participation on any new groups for a few months.

Mindy: That will actually help me so I won't feel so overloaded. ~~You know many of my peers see me as the resident expert,~~

Pam: And you are. Instead of participating as a full member you could still serve as an advisor and transfer your knowledge to others on the team in the process. Conversely, you said Diane knows SharePoint. I'll speak with her and set it up so that she spends time helping you while you show her the fundamentals of our process. I would also encourage you to re-consider the ~~EPA~~ EAP if changes at home are still stressful. It can only help. I think it would also be a good thing for us to meet every other week to see how things are going. I'll send you a scheduler so it is on both our calendars.

Mindy: I was really dreading this discussion. I appreciate your patience to work with me and get me back on track.

Pam: That's what I'm here for. Is there anything else you want to discuss? I do need you to sign here.

From: Harrison, Donnie
To: Laur, Steven
Cc: Cheok, Michael; Lee, Samson
Subject: Fw: CTS-SRM-S11-0014 resend including Mike Cheok
Date: Wednesday, March 16, 2011 1:04:02 PM

Steve

(b)(5)

Sent from NRC blackberry
Donnie Harrison
(b)(6)

From: Harrison, Donnie
To: Dennig, Robert; Wittick, Brian
Cc: Lobel, Richard; Cheok, Michael; Ruland, William; Laur, Steven
Sent: Wed Mar 16 12:54:01 2011
Subject: Re: CTS-SRM-S11-0014 resend including Mike Cheok

I am out today. Please arrange with steve laur and mike cheok if need today or tomorrow.
Sent from NRC blackberry
Donnie Harrison
(b)(6)

From: Dennig, Robert
To: Wittick, Brian
Cc: Lobel, Richard; Harrison, Donnie; Cheok, Michael; Ruland, William
Sent: Wed Mar 16 09:33:27 2011
Subject: FW: CTS-SRM-S11-0014 resend including Mike Cheok

I'm available. Please also include NRR/DRA (Cheok/Harrison) – they "own" risk review and "defense-in-depth."

From: Wittick, Brian
Sent: Tuesday, March 15, 2011 5:09 PM
To: Dennig, Robert
Cc: Ruland, William
Subject: Fw: CTS-SRM-S11-0014

Bob
Please let me know when you are available to discuss tomorrow.

Sent from NRC BlackBerry
Brian Wittick
(b)(6)

From: RidsEdoDraftSrmVote Resource
To: Wittick, Brian
Sent: Tue Mar 15 14:21:17 2011
Subject: FW: CTS-SRM-S11-0014

Brian,

See SECY tasking sheet for 03/15/11 SRM to SECY-11-0014. Please let me know as soon as possible that it is okay for the action to be tasked to the assigned office and that there are no additional OEDO tasking that need to be tracked from this SRM. When responding, please indicate:

(1) the EDO due date;
(2) type of response (SECY paper, memo, etc.); and
(3) signature level of response (EDO, OD, etc.).

ACS will make sure that SECY is in agreement. Thank you.

Denise

From: Shea, Pamela
Sent: Tuesday, March 15, 2011 1:26 PM
To: RidsEdoDraftSrmVote Resource
Cc: Bavol, Rochelle; Laufer, Richard; Andersen, James; Landau, Mindy
Subject: CTS-SRM-S11-0014

See attached CTS.

Thanks,
Pam

From:	Claggett, Lauren
To:	Brown, Frederick; Glitter, Joseph; Hiland, Patrick; Evans, Michele; Cheok, Michael; Ruland, William; McGinty, Tim; Givvines, Mary
Cc:	Tobe, Celestia; Perch, Libby; Harper, Kevin; Beckford, Kaydian; Graham, Camillea; Deeds, Erin; Gorham, Tajuan; Pittiglio, Clayton; Simpson, JoAnn; Claggett, Lauren
Subject:	Modification of NRR Administrative Assistant Workstations
Date:	Wednesday, March 16, 2011 1:05:08 PM
Importance:	High

Several vacant Administrative Assistant (AA) workstations within NRR have been approved (by ADM) for modification. Each AA workstation identified below (with the exception of **O-09E05, O-10B01 & 03**), will be converted into staff workstations. Upon completion of the work, the modified spaces will be open for selection to displaced BU employees. If your division does not have any displaced employees at this time, the workstations will be used by BU staff as needed.

DIRS
O-07C02
O-07G13

DORL
O-08C02
O-08G14

DE & DCI
O-09D03
O-09D05
O-09E05 – This space is currently an employee workstation that will be converted into an AA workstation. The secretary from O-09D03 will be moving to this professional workstation.

DSS & DRA
O-10B01 – Vacant AA workstation
O-10B03 - Substandard employee workstation (currently occupied).
Note: Both offices will be combined to create one larger workstation for current occupant.

O-12D03

Please feel free to contact me should you have any questions.

Thanks,

Lauren G. Claggett
Sr. Program Analyst
Program Management, Policy Development & Analysis Staff
Information & Infrastructure Services Branch
Office of Nuclear Reactor Regulation
Lauren.Claggett@nrc.gov

From: Nguyen, Khoi
To: APAAC Distribution
Subject: Decoration for the APAAC May Event
Date: Wednesday, March 16, 2011 1:12:37 PM

Hi APAAC members,

We need your help in decorating the Auditorium for the APAAC May event. We need volunteers for the decoration, ideas, and display/decoration items. Please response to Liza Cunningham (mailto:Cunningham, Liza) for your contribution no later than April 15th. Your support is greatly appreciated.

Thanks,

Khoi Nguyen
Electronics Engineer
U.S. NRC
NRO/DE/ICE2
(301) 415-6839
Khoi.Nguyen@nrc.gov

From:	Givvines, Mary
To:	Bahadur, Sher; Blount, Tom; Brown, Frederick; Cheok, Michael; Cunningham, Mark; Evans, Michele; Galloway, Melanie; Glitter, Joseph; Givvines, Mary; Hiland, Patrick; Holian, Brian; Howe, Allen; Lee, Samson; Lubinski, John; Lund, Louise; McGinty, Tim; Nelson, Robert; Quay, Theodore; Ruland, William; Skeen, David
Subject:	FW: EDO Alignment/Pre-briefs for Commission Meetings
Date:	Wednesday, March 16, 2011 1:17:54 PM
Attachments:	EDO Alignment, Prebriefs for CM Meetings.doc

From: Taylor, Renee
Sent: Wednesday, March 16, 2011 12:59 PM
To: Andersen, James; Ash, Darren; Blount, Tom; Boger, Bruce; Borchardt, Bill; Bowman, Adriane; Boyce, Thomas (OIS); Boyd, Lena; Buckley, Patricia; Cannady, Ashley; Carpenter, Cynthia; Casby, Marcia; Casto, Chuck; Cianci, Sandra; Cohen, Miriam; Collins, Elmo; Collins, Jay; Cooper, LaToya; Corley, Cherrie; Damiano, Debra; Dapas, Marc; Dean, Bill; Dubose, Sheila; EDO_ETAs; Evans, Michele; Flory, Shirley; Garland, Stephanie; Givvines, Mary; Greene, LaTosha; Grobe, Jack; Haney, Catherine; Hasan, Nasreen; Higginbotham, Tina; Holahan, Gary; Howard, Patrick; Johnson, Michael; Kelley, Corenthis; Landau, Mindy; Lee, Pamela; Leeds, Eric; Lockhart, Denise; Lubinski, John; Mamish, Nader; Matakas, Gina; Mayberry, Theresa; McClain, Nicole; McCrary, Cheryl; McCree, Victor; McGinty, Tim; Miles, Patricia; Miller, Charles; Mitchell, Matthew; Muessle, Mary; ODaniell, Cynthia; Owen, Lucy; Pederson, Cynthia; Penny, Melissa; Plisco, Loren; Quesenberry, Jeannette; Riddick, Nicole; Ronewicz, Lynn; Ross, Brenda; Salus, Amy; Satorius, Mark; Scarbrough, Thomas; Schaeffer, James; Schumann, Stacy; Schwarz, Sherry; Sheron, Brian; Sprogeris, Patricia; Tannenbaum, Anita; Taylor, Renee; Terry, Leslie; Thomas, Loretta; Tomczak, Tammy; Uhle, Jennifer; Veltri, Debra; Virgilio, Martin; Walker, Dwight; Weber, Michael; Wiggins, Jim; Williams, Barbara; Zimmerman, Roy
Subject: EDO Alignment/Pre-briefs for Commission Meetings

An updated list is attached, please ensure that your calendar reflects the changes as needed.

Thank you,
Renee

EDO ALIGNMENT/PRE-BRIEFS FOR COMMISSION MEETINGS

Updated: 03/16/11

03/24/11
(9:00 – 12:30)
Part 50.46a Rulemaking Risk-Informed ECCS Rule

EDO Alignment: **01/31/11 @ 4:00 pm**
EDO Pre-brief: **03/14/11 @ 4:00 pm**

03/29/11
(9:00 – 12:00)
Small Modular Reactors

EDO Alignment: **01/27/11 @ 1:30 pm (Rescheduled from 1:00 pm)**
EDO Pre-brief: **03/17/11 @ 3:00 pm**

03/31/11 (Closed)
(2:30 – 3:30)
Discussion of Management Issues

EDO Alignment: **CANCELLED NOT NEEDED - 02/01/11 @ 3:00 pm**
EDO Pre-brief: **CANCELLED NOT NEEDED - 03/21/10 @ 3:00 pm**

04/19/11
(9:00 – 12:00)
Part 37 Rulemaking

EDO Alignment: **02/10/11 @ 1:00 pm**
EDO Pre-brief: **03/31/11 @ 10:00 am**

04/28/11
(9:00 – 12:15)
ITAAC Related Activities

EDO Alignment: **02/28/11 @ 3:30 pm (Rescheduled from 3:00)**
EDO Pre-brief: **04/18/11 @ 4:00 pm**

05/03/11
(9:30 – 10:30)
Human Capital and EEO

EDO Alignment: **03/17/11 @ 1:00 pm**
EDO Pre-brief: **04/26/11 @ 10:00 am**

05/12/11
(9:00 – 12:00)
Cumulative Effects of Reactor Regulation

EDO Alignment: **03/22/11 @ 9:00 am**
EDO Pre-brief: **05/02/11 @ 3:00 pm**

05/27/11
(9:00 – 12:00)
Briefing on Results of AARM

EDO Alignment: **03/28/11 @ 3:00 pm**
EDO Pre-brief: **05/12/11 @ 3:00 pm**

06/02/11
(9:00 – 12:00)
Final EP Rule

EDO Alignment: **04/06/11 @ 3:00 pm (Rescheduled from 04/03/11)**
EDO Pre-brief: **05/17/11 @ 10:00 am**

06/06/11
(9:00 – 12:00)
International Activities or Potential Meeting w/ACRS

EDO Alignment: **03/29/11 @ 4:00 pm**
EDO Pre-brief: **05/19/11 @ 3:00 pm**

06/16/11
(9:00 – 12:00)
International Activities or Potential Meeting w/ACRS

EDO Alignment: **04/26/11 @ 1:00 pm**
EDO Pre-brief: **06/06/11 @ 3:00 pm**

NOTE: Please be aware that this list is organized by the Commission meeting date. EDO Alignment meetings are generally scheduled approximately 60 days prior to the Commission meeting. EDO Pre-briefs are scheduled approximately 2 weeks prior to the Commission meeting. All meetings are scheduled based on the availability of the EDO/DEDOs calendars. All meetings are held in conference room O-17B4.

From: Keith Axler
To: (b)(6)
Subject: FW: Summary Dose Report
Date: Wednesday, March 16, 2011 1:18:22 PM
Attachments: Cathy Haney.pdf

Hello,

Attached is your dosimetry report from the tour you recently had at SwRI.

Please let me know if I can provide any further information.

Keith Axler, Ph D, PMP
Manager, Corrosion Science and Process Engineering
Southwest Research Institute
6220 Culebra Rd
San Antonio, TX 78238-5166
Ph (210) 522-2951
http://www.swri.org/4org/d20/home/expertise/cspeserv.htm

From: Lizette Gomez [mailto:lizette.gomez@swri.org]
Sent: Wednesday, March 16, 2011 11:02 AM
To: Keith M Axler
Cc: 'Diane Hibbs'
Subject: Summary Dose Report< class=MsoNormal>
Attached is your Radiation Dosimetry Report for use of a badge at Southwest Research Institute.

Thank you,

Lizette Gomez
Southwest Research Institute®
Radiation Safety (CC 57)
Bldg 63, Rm 172
Phone (210) 522-5257

SOUTHWEST RESEARCH INSTITUTE®

6220 CULEBRA RD. 78238-5166 • P.O. DRAWER 28510 78228-0510 • SAN ANTONIO, TEXAS, USA • (210) 684-5111 • WWW.SWRI.ORG

DATE: March 17, 2011

SUMMARY DOSE REPORT

NAME: (b)(6)
BADGE NUMBER:
I.D. NUMBER:
ADDRESS: NRC
(Division 20, Keith Axler visitor)
keith.axler@swri.org

TIME PERIOD START: 01/01/11 END: 02/28/11

RECORDED DOSE (rem)

Total Dose at SwRI for time period indicated:

DDE	LDE	SDE	CEDE	TEDE	Extremity
0.000	0.000	0.000	0.000	0.000	N/A

DDE = Deep Dose Equivalent (Whole Body Dose)
LDE = Lens Dose Equivalent (Eye Dose)
SDE = Shallow Dose Equivalent (Skin Dose)
CEDE = Committed Effective Dose Equivalent to any one organ (Internal Dose to Radionuclides)
TEDE = Total Effective Dose Equivalent (DDE added to CEDE when there is an Internal Dose)

This report is furnished to you under the provisions of "25 Texas Administrative Code, Section 289.202," Standards for Protection Against Radiation. A radiation worker is allowed to get 5.000 rem DDE or TEDE per year, 50.000 rem CEDE or SDE, and 15.000 rem LDE [(§289.202(f)].

A member of the public is allowed to get 0.100 rem DDE, CEDE or TEDE per year [§289.202(n)].

You should preserve this report for future reference, and you should provide a copy of this report to any employer where you are exposed to radiation.

Sincerely,

John P. Hageman

John P. Hageman
Radiation Safety Officer

HOUSTON, TEXAS (713) 977-1377 • WASHINGTON, DC (301) 881-0226

C:\Data\DHibbs\BADGES\2011 File\Summary Dose Reports 2011\sumdosed_Jan-Feb_11.docx

From:	Wiggins, Jim
To:	Ruland, William
Subject:	Out of Office: Planning for upcoming, short notice Commission meeting
Date:	Wednesday, March 16, 2011 1:18:36 PM

I am out of the office. I will return on Monday, 3/21/11.

Since I just can't bring myself to completely shutdown, I'll be occasionally checking messages via Blackberry and CITREX. However, if you need something done in the office, please call Michele Evans or Amy Salus (415-7476).

From: Brenner, Eliot
To: Ruland, William
Subject: Out of Office: Planning for upcoming, short notice Commission meeting
Date: Wednesday, March 16, 2011 1:18:37 PM

I will be out of the office until Thursday March 17. I am reading emails regularly and will respond as quickly as possible. If you need assistance, please call 301-415-8200.

From: Satorius, Mark
To: Ruland, William
Subject: Out of Office: Planning for upcoming, short notice Commission meeting
Date: Wednesday, March 16, 2011 1:18:37 PM

I am out of the office from Mar 15 COB thru Mar 25 COB and will not be able to access or respond to emails. Pls contact Cindy Pederson (630 829-9658), Tammy Tomczak (630 829-9658) or Pat Buckley (630 829-9657) if you need assistance

Ostendorff, William

From: Ostendorff, William
Sent: Wednesday, March 16, 2011 1:23 PM
To: Zorn, Jason
Subject: FW: DRAFT SRM - SECY-11-0003/SECY-11-0028 (Managing Fatigue)

(b)(5)

From: Rothschild, Trip
Sent: Wednesday, March 16, 2011 12:24 PM
To: Wright, Darlene; Baggett, Steven; Bates, Andrew; Batkin, Joshua; Bavol, Rochelle; Blake, Kathleen; Bozin, Sunny; Bradford, Anna; Bubar, Patrice; Bupp, Margaret; Burns, Stephen; Chairman Temp; Clark, Lisa; Coggins, Angela; Cordes, John; Crawford, Carrie; Davis, Roger; Fopma, Melody; Franovich, Mike; Gibbs, Catina; Hackett, Edwin; Hart, Ken; Harves, Carolyn; Henderson, Karen; Herr, Linda; Hipschman, Thomas; Hudson, Sharon; Joosten, Sandy; KLS Temp; Kock, Andrea; Laufer, Richard; Lepre, Janet; Loyd, Susan; Mamish, Nader; Marshall, Michael; Monninger, John; Moore, Scott; Orders, William; Pace, Patti; Poole, Brooke; Reddick, Darani; RidsEdoDraftSrmVote Resource; Savoy, Carmel; Sharkey, Jeffry; Shea, Pamela; Snodderly, Michael; Sosa, Belkys; Speiser, Herald; Svinicki, Kristine; Temp, GEA; Temp, WCO; Temp, WDM; Thoma, John; Vietti-Cook, Annette; Warren, Roberta; Zorn, Jason; Tadesse, Rebecca; Joosten, Sandy; Castleman, Patrick; Montes, David; Dhir, Neha; Adler, James; Jimenez, Patricia; Muessle, Mary; Nieh, Ho; Ostendorff, William; Warnick, Greg; Apostolakis, George; Pearson, Laura; Lui, Christiana
Cc: Lewis, Antoinette; Benowitz, Howard; Mizuno, Geary; Jones, Bradley
Subject: RE: DRAFT SRM - SECY-11-0003/SECY-11-0028 (Managing Fatigue)

OGC has three comments on the draft SRM:

(1)

(2)

(3)

(b)(5)

Dean, Bill

From: Dean, Bill
Sent: Wednesday, March 16, 2011 1:24 PM
To: Lew, David; Roberts, Darrell; Wilson, Peter; Lorson, Raymond; Clifford, James; Collins, Daniel; Baker, Pamela; Walker, Tracy; Weerakkody, Sunil
Subject: FW: Planning for upcoming, short notice Commission meeting
Attachments: Scheduling NoteMar2011_JapaneseEvent agh 3-16-2011.docx

Fyi

Bill

From: Ruland, William
Sent: Wednesday, March 16, 2011 1:19 PM
To: Williams, Donna; Uhle, Jennifer; Sheron, Brian; Moore, Scott; Miller, Charles; Brenner, Eliot; Haney, Catherine; Dorman, Dan; Wiggins, Jim; Evans, Michele; Doane, Margaret; Mamish, Nader
Cc: Johnson, Michael; Holahan, Gary; Leeds, Eric; Grobe, Jack; Howe, Allen
Subject: Planning for upcoming, short notice Commission meeting

Folks,

Attached find a early draft of a scheduling note for a Commission meeting that may be held as early as this coming Monday, March 21st. NRR has been assigned as the lead to pull the meeting together. As you could imagine, this will take some effort. To help with coordination, please provide me a contact so that we can draw on your expertise and help to make this happen. Alan Howe, currently deputy director of DORL, has the lead to pull this together.

I know you have many questions. I'd ask for your patience as we try to get this done. I'll keep you updated through the contact that you provide to us.

Thank you very much.

Bill Ruland

From: Frumkin, Daniel
To: Cheok, Michael; Klein, Alex; Graham, Camillea; Lee, Samson
Subject: Discuss Changes to Fire Protection Triennial Inspection

When: Wednesday, March 16, 2011 1:30 PM-2:00 PM (GMT-05:00) Eastern Time (US & Canada).
Where: O10H1

Note: The GMT offset above does not reflect daylight saving time adjustments.

~~*~*~*~*~*~*~*~*~*

Mike,

I would like to set up this meeting to briefly discuss one specific change to the fire protection inspection procedure.

(b)(5)

Dan

Satorius, Mark

From:	jean.brown@gsa.gov
Sent:	Wednesday, March 16, 2011 1:31 PM
To:	&FEB_ONLY__FEB_Executive_Committee_cc_List@gsa.gov; &FEB_ONLY__FEB_List_2 @gsa.gov; &FEB_ONLY__FEB_Master_List@gsa.gov; &FEB_ONLY__Federal_Midwest_Human_Resources_Council@gsa.gov
Subject:	furlough scenarios - useful link

Colleagues:

Special thanks to Joanne Plasky – Manager of OPM Chicago Oversight for this useful link regarding possible furlough scenarios:

http://www.opm.gov/furlough/furlough.asp

This site explains what agencies are required to do (written notice, etc.) in the event of a furlough. Impact on employee benefits, leave, service credit, etc., are all addressed. Sample furlough notices are provided at the very end of the guidance. *Please note that some of the references are now obsolete, these are for informational purposes only.*

Jean Brown
Executive Director, Chicago Federal Executive Board
77 W. Jackson Suite 2115, Chicago, IL 60604
p: 312-353-6790, f: 312-353-3058
e: Jean.Brown@GSA.Gov
www.Chicago.FEB.GOV

From: (b)(6)
To: Grobe, Jack
Subject: (b)(6)
Date: Wednesday, March 16, 2011 1:33:33 PM

(b)(6)

(b)(6)

(b)(6)

From: Brown, Frederick
To: Ferrell, Kimberly
Cc: Givvines, Mary; Westreich, Barry; Cheok, Michael
Subject: RE: Organizational Effectiveness Functions - Sensitive
Date: Wednesday, March 16, 2011 1:33:49 PM

Kimberly,

I suspect that we have been interacting on the internal safety culture work, and if past experience is a guide, Laura will have been providing valuable assistance. I don't know the level of effort involved.

Beyond that, I'm not aware of any current activities.
Fred

From: Ferrell, Kimberly
Sent: Monday, March 14, 2011 4:54 PM
To: Brown, Frederick; Evans, Michele; Ferrell, Kimberly; Giitter, Joseph; Givvines, Mary; Hiland, Patrick; Holian, Brian; Lee, Samson; McGinty, Tim; Ruland, William; Skeen, David; Thomas, Brian; Bahadur, Sher; Blount, Tom; Cheok, Michael; Galloway, Melanie; Howe, Allen; Lubinski, John; Lund, Louise; Nelson, Robert; Quay, Theodore
Subject: Organizational Effectiveness Functions - Sensitive

LT Members,

As part of PMDA's ongoing efforts to improve efficiency and maximize resources, we are reviewing the Organizational Effectiveness (OE) functions which currently reside within HCB.

We'd like LT comments on what services your Division may be utilizing from the OE staff. We'd also appreciate comments on the significance, frequency, or complexity of OE staff involvement.

Please provide your comments to me with a cc: to Mary Givvines by COB Wednesday, March 16.

Please let me know if you have any questions.

Thanks!

Kimberly

From:	Zabel, Joseph
To:	Bogle, Sue
Cc:	Chang, Helen
Subject:	RE: Files Attached for SEP: Individual Evaluation (after Amendment 002 to Translation Services, Corrective Actions)
Date:	Wednesday, March 16, 2011 1:34:00 PM

Hi Sue:

I think we are meeting in 05-C19, so please feel free to come over.

Joe

From: Bogle, Sue
Sent: Wednesday, March 16, 2011 11:33 AM
To: Zabel, Joseph
Cc: Bogle, Sue; Chang, Helen
Subject: RE: Files Attached for SEP: Individual Evaluation (after Amendment 002 to Translation Services, Corrective Actions)

Hi, Joe:

Can I join you tomorrow in CSB-05-C19 for the SEP?

Sue

From: Zabel, Joseph
Sent: Wednesday, March 16, 2011 9:04 AM
To: Chang, Helen; Bogle, Sue
Subject: RE: Files Attached for SEP: Individual Evaluation (after Amendment 002 to Translation Services, Corrective Actions)

Hi Helen and Sue:

I'm working on the five proposal evaluations today and should be good for tomorrow's meeting.

Joe

From: Chang, Helen
Sent: Tuesday, March 15, 2011 9:16 PM
To: Chang, Helen; Zabel, Joseph; Bogle, Sue
Subject: RE: Files Attached for SEP: Individual Evaluation (after Amendment 002 to Translation Services, Corrective Actions)

Hi, Joe and Sue:

Are we still good for this Thursday, and would anyone need a bridgeline? I just wanted to remind you to review only the five proposals attached to the March 8 e-mail.

Thank you again for your patience.

Sincerely,
Helen

From: Chang, Helen
Sent: Tuesday, March 08, 2011 7:09 PM
To: Zabel, Joseph; Bogle, Sue; Chang, Helen
Cc: Gunter-Henderson, Morie
Subject: Files Attached for SEP: Individual Evaluation (after Amendment 002 to Translation Services, Corrective Actions)

Hi, Joe and Sue:

Thank you for your patience. Moire noted that we should review only the 5 offerors who responded to Amendment 002 in your individual evaluation worksheets. The offerors have been narrowed to the following:

1
2
3
4
5
6
7
8
9
10
11
12
13

* New proposal submitted. Attached proposal replaces earlier proposal.
** No new offer, confirmed to Government that SEP reviewers should use previous offer in response to Amendment 002 (original proposal attached)

Please find attached the following files:

- SEP review package for Amendment 002 (PDF file that contains the Amendment 002 corrections, SOW, evaluation criteria, and approach memo)
- ZIP files contains the translation samples as required by the protest response
- Individual proposals for each offeror (file name begins with "Amend002")
- Revised copy of the evaluation worksheet

Please view the bookmarks in the SEP review package to find the component documents. We are currently scheduled to convene (caucus) on March 17, Thursday, at 2:00 p.m. We will meet in Church Street, where Joe is stationed, in room CSB-05-C19. Sue, if you need a bridgeline, please let me know.

Thank you!

Sincerely,
Helen

Multimedia Communications Branch
http://www.internal.nrc.gov/ADM
AV-Photo.Resource@nrc.gov
VTC.Resource@nrc.gov

Helen Chang, ADM/DAS/MCB
Mail Stop: TWFN 06-E20
Room: TWFN 06-E25
Phone: 301-415-7323
Blackberry: (b)(6)
Fax: 301-415-5132

From: Dorsey, Cynthia
To: Cheok, Michael
Subject: RE: local voucher
Date: Wednesday, March 16, 2011 1:38:29 PM

Great, keep me posted, so, I can move your profile to DRA.

Thanks

From: Cheok, Michael
Sent: Wednesday, March 16, 2011 1:20 PM
To: Dorsey, Cynthia
Subject: RE: local voucher

I just deleted the action. I forgot it even existed. Thanks for the reminder.

From: Dorsey, Cynthia
Sent: Wednesday, March 16, 2011 11:35 AM
To: Cheok, Michael
Subject: local voucher

Mike, you have a local voucher open that needs to be completed before your profile can be transferred to DRA. Let me know when you have completed this action.

Thanks,

Cynthia D. Dorsey
Budget Assistant
NRR/PMDA/BFEB
301-415-2135
OWFN - O-13F14

From: do_not_reply@ilearnnrc.plateau.com
To: Cheok, Michael
Subject: Notification of Course Evaluation
Date: Wednesday, March 16, 2011 1:59:10 PM

You recently completed a course.

You now have the opportunity to submit a brief and voluntary training evaluation survey in iLearn. These course evaluations improve HRTD's ability to collect and analyze course evaluation data and continually measure online course effectiveness.

To complete the course evaluation now, simply click on the following hyperlink. After you login into iLearn, you will automatically be routed to the Course Evaluations page.

https://ilearnnrc.plateau.com/plateau/user/deeplink.do?linkId=QUESTIONNAIRE_SURVEY

You can also access the course evaluation by:
1. Login to iLearn
2. Click on Learning in the navigation bar
3. Click on Course Evaluations in the drop down box
4. Find the course and click on Launch Evaluation to the right of the course title.

For more information please refer to the following job aid: Completing a Course Evaluation

Why should I complete a Course Evaluation?
The course evaluations improve HRTD's ability to collect and analyze course evaluation data and continually measure online course effectiveness. Reaction data is a critical factor in improving or redesigning training programs.

For additional information please contact your training coordinator.
The name and contact information for training coordinators may be found at:
http://papaya.nrc.gov/Training/coordinators.cfm

Please tell us whether this notification was helpful by clicking on the following link.
https://www.surveymonkey.com/s/6M25CCR

****
Please DO NOT REPLY. This email address is automated and unattended
****

From: etravelservices@carlson.com
To: Boger, Bruce; Ross, Robin
Subject: Travel Authorization Trip Id 2793782 for EVANS, MICHELE pending your approval
Date: Wednesday, March 16, 2011 2:06:25 PM

Dear eTravel Approver,

Trip id 2793782 has been submitted for your approval. Please access E2 and approve the authorization or return it to the traveler for revisions.

Trip Id : 2793782
Traveler : EVANS, MICHELE
Destination: COLUMBIA, SC
TDY Type : OTHER
Purpose : Plant Visit (Robinson)
Trip Dates : 2011-03-21 to 2011-03-23
Status : Pending Authorization Approval

Thank you for using E2 Solutions. Help and support is available online by selecting the 'Find Answers' link. Please note: Replies to this mailbox are not monitored.

Click here to log back into the System.

McKelvey, Harold

From: Collins, Elmo
Sent: Wednesday, March 16, 2011 1:41 PM
To: Etheridge, Peggy
Cc: Baquera, Mica
Subject: RE: Univ of OK
Attachments: image001.gif

Thanks Peggy

With any luck, I am going to conduct a liaison visit in April

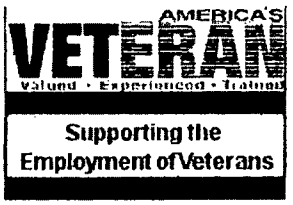
Elmo

From: Etheridge, Peggy
Sent: Wednesday, March 16, 2011 12:25 PM
To: Collins, Elmo
Subject: Univ of OK

Elmo, thanks for accepting the role as university champion for Oklahoma State, since you have served as a University Champion previously you are familiar with the roles and responsibilities. Please have your secretary send me you bio and photo for the UC Website.

Thanks,

Peggy A. Etheridge
U.S. Nuclear Regulatory Commission
Recruitment Program Manager/Selective Placement Coordinator
Office of Human Resources, Outreach and Recruitment Branch
MS: GW-5A06, 11555 Rockville Pike
Rockville, MD 20852
301-492-2212 *(office)*
301-492-2243 *(fax)*
(b)(6) *(BlackBerry)*



From: Burnell, Scott
To: Santiago, Patricia
Subject: RE: Meeting
Date: Wednesday, March 16, 2011 1:45:00 PM

That's not a given at this point either, will advise...

From: Santiago, Patricia
Sent: Wednesday, March 16, 2011 1:45 PM
To: Burnell, Scott
Subject: RE: Meeting

Next week is good too.
thanks

From: Burnell, Scott
Sent: Wednesday, March 16, 2011 1:45 PM
To: Santiago, Patricia
Subject: RE: Meeting

Not available for the rest of the week at least...

From: Santiago, Patricia
Sent: Wednesday, March 16, 2011 1:38 PM
To: Burnell, Scott
Subject: Meeting

Scott

Kathy asked that if you are over this way for a meeting that we meet with her. Let me know your availability.

Thanks,

Pat

Patricia A. Santiago
Chief, Special Projects Branch
Division of Systems Analysis
Office of Nuclear Regulatory Research
Phone- 301-251-7982
Fax- 301-251-7426
Patricia.Santiago@nrc.gov

Owen, Lucy

From: Owen, Lucy
Sent: Wednesday, March 16, 2011 1:48 PM
To: Collins, Elmo; Howell, Art; Hays, Myra; Pellet, John; Caniano, Roy; Cain, Chuck; Kennedy, Kriss; Pruett, Troy; Vegel, Anton
Cc: Maier, Bill; Dricks, Victor; Uselding, Lara
Subject: EDO Alignment Prebriefs for CM Meetings (23).doc
Attachments: EDO Alignment Prebriefs for CM Meetings (23).doc

Good Afternoon – If you would like to attend a listed prebrief, please let me know and I will arrange for a bridge number.

Thanks.
Lucy

EDO ALIGNMENT/PRE-BRIEFS FOR COMMISSION MEETINGS

Updated: 03/16/11

03/24/11
(9:00 – 12:30)
Part 50.46a Rulemaking Risk-Informed ECCS Rule

EDO Alignment: **01/31/11 @ 4:00 pm**
EDO Pre-brief: **03/14/11 @ 4:00 pm**

03/29/11
(9:00 – 12:00)
Small Modular Reactors

EDO Alignment: **01/27/11 @ 1:30 pm (Rescheduled from 1:00 pm)**
EDO Pre-brief: **03/17/11 @ 3:00 pm**

03/31/11 (Closed)
(2:30 – 3:30)
Discussion of Management Issues

EDO Alignment: **CANCELLED NOT NEEDED - 02/01/11 @ 3:00 pm**
EDO Pre-brief: **CANCELLED NOT NEEDED - 03/21/10 @ 3:00 pm**

04/19/11
(9:00 – 12:00)
Part 37 Rulemaking

EDO Alignment: **02/10/11 @ 1:00 pm**
EDO Pre-brief: **03/31/11 @ 10:00 am**

04/28/11
(9:00 – 12:15)
ITAAC Related Activities

EDO Alignment: **02/28/11 @ 3:30 pm (Rescheduled from 3:00)**
EDO Pre-brief: **04/18/11 @ 4:00 pm**

05/03/11
(9:30 – 10:30)
Human Capital and EEO

EDO Alignment: **03/17/11 @ 1:00 pm**
EDO Pre-brief: **04/26/11 @ 10:00 am**

05/12/11
(9:00 – 12:00)
Cumulative Effects of Reactor Regulation

EDO Alignment: **03/22/11 @ 9:00 am**
EDO Pre-brief: **05/02/11 @ 3:00 pm**

05/27/11
(9:00 – 12:00)
Briefing on Results of AARM

EDO Alignment: **03/28/11 @ 3:00 pm**
EDO Pre-brief: **05/12/11 @ 3:00 pm**

06/02/11
(9:00 – 12:00)
Final EP Rule

EDO Alignment: **04/06/11 @ 3:00 pm (Rescheduled from 04/03/11)**
EDO Pre-brief: **05/17/11 @ 10:00 am**

06/06/11
(9:00 – 12:00)
International Activities or Potential Meeting w/ACRS

EDO Alignment: **03/29/11 @ 4:00 pm**
EDO Pre-brief: **05/19/11 @ 3:00 pm**

06/16/11
(9:00 – 12:00)
International Activities or Potential Meeting w/ACRS

EDO Alignment: **04/26/11 @ 1:00 pm**
EDO Pre-brief: **06/06/11 @ 3:00 pm**

NOTE: Please be aware that this list is organized by the Commission meeting date. EDO Alignment meetings are generally scheduled approximately 60 days prior to the Commission meeting. EDO Pre-briefs are scheduled approximately 2 weeks prior to the Commission meeting. All meetings are scheduled based on the availability of the EDO/DEDOs calendars. All meetings are held in conference room O-17B4.

From: Haney, Catherine
To: Johnson, Michael; Leeds, Eric; Sheron, Brian; Miller, Charles; Evans, Michele
Subject: RE: Should we cancel tomorrow"s OD meeting?
Date: Wednesday, March 16, 2011 1:50:00 PM

I'm ok with cancelline

From: Johnson, Michael
Sent: Wednesday, March 16, 2011 1:50 PM
To: Leeds, Eric; Haney, Catherine; Sheron, Brian; Miller, Charles; Evans, Michele
Subject: RE: Should we cancel tomorrow's OD meeting?

I'm ok with cancelling. Michele can probably use the time as well.

From: Leeds, Eric
Sent: Wednesday, March 16, 2011 1:49 PM
To: Johnson, Michael; Haney, Catherine; Sheron, Brian; Miller, Charles; Evans, Michele
Subject: Should we cancel tomorrow's OD meeting?

Or I'll send a deputy (if I have one....)....

Eric J. Leeds, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
301-415-1270

Convention on Nuclear Safety

Annotated Agenda
CNS Review Meeting: Opening Plenary
April 4, 2011

Document Control Reference:

CNS 2011 RM/AA, April 4, 2011

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(b)(4)

From: Golla, Joe
To: Valentine, Nicholee
Subject: RE: DPRs update for Pandemic Plan 2nd qtr
Date: Wednesday, March 16, 2011 2:01:00 PM
Importance: High

(b)(5)

From: Valentine, Nicholee
Sent: Wednesday, March 09, 2011 11:10 AM
To: Jones(NRR), Latoya; Golla, Joe
Subject: DPRs update for Pandemic Plan 2nd qtr

Please use this email as DPR's response to ticket number: Y020080250

Thanks-
Nikki

From: Valentine, Nicholee
To: Golla, Joe
Subject: Out of Office: DPRs update for Pandemic Plan 2nd qtr
Date: Wednesday, March 16, 2011 2:01:17 PM

I am out of the office, if need me for an urgent matter please call (b)(6). Thanks!

From: Nancy Scholem
To: Burnell, Scott
Subject: Guide to the new Congress
Date: Wednesday, March 16, 2011 2:02:04 PM

The 2011 Congressional Yellow Book is here

It's been the essential guide to Capitol Hill for almost 40 years - now the updated Congressional Yellow Book is ready for you to use as a research assistant and reference guide for the U.S. House and Senate.

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VMB11005

From: socialmedia-bounces@list.ans.org on behalf of Rod Adams
To: Social Media
Subject: [SocialMedia] Michael Levy live chat on Washington Post
Date: Wednesday, March 16, 2011 2:05:12 PM

This started a couple of minutes ago and lasts until 3:00 EDT

http://live.washingtonpost.com/outlook-five-myths-about-nuclear-energy.html

---

SocialMedia mailing list
SocialMedia@list.ans.org

From: Bellosi, Susan
To: Calvo, Antony
Cc: Coe, Doug; Bonaccorso, Amy
Subject: RE: ACTION: Web page mark ups
Date: Wednesday, March 16, 2011 2:07:00 PM

Thanks, Antony. I'll review.

From: Calvo, Antony
Sent: Wednesday, March 16, 2011 1:54 PM
To: Bellosi, Susan
Cc: Coe, Doug; Bonaccorso, Amy
Subject: RE: ACTION: Web page mark ups

Susan,

The changes below are complete. Please let me know how we can work together to get this wrapped up this week. Thanks.

Antony

From: Bellosi, Susan
Sent: Tuesday, March 15, 2011 4:48 PM
To: Calvo, Antony
Cc: Coe, Doug; Bonaccorso, Amy
Subject: RE: ACTION: Web page mark ups

Antony,

Looks great.

(b)(5)

Thanks again for your help.

Susan

From: Calvo, Antony
Sent: Tuesday, March 15, 2011 4:40 PM
To: Bellosi, Susan
Cc: Coe, Doug; Bonaccorso, Amy
Subject: RE: ACTION: Web page mark ups

Susan,

For your review.

http://nrcweb.nrc.gov:8600/stayconnected/index.html

Thanks. I think it is ready to go.

Antony

From: Bellosi, Susan
Sent: Wednesday, March 09, 2011 9:38 AM
To: Calvo, Antony
Subject: FW: ACTION: Web page mark ups

Hi, Antony,

Here you go. Let me know if you have any questions. Under ADM's Mission, please delete the last sentence.

Thanks again,
Susan

From:	OPA Resource
To:	Brenner, Eliot; Burnell, Scott; Chandrathil, Prema; Couret, Ivonne; Dricks, Victor; Hannah, Roger; Harrington, Holly; Hayden, Elizabeth; Janbergs, Holly; Ledford, Joey; McIntyre, David; Mitlyng, Viktoria; Screnci, Diane; Shannon, Valerie; Sheehan, Neil
Subject:	FYI - Listserave is misbehaving, i've contacted our contact.
Date:	Wednesday, March 16, 2011 2:08:13 PM

Office of Public Affairs
US Nuclear Regulatory Commission
301-415-8200
opa.resource@nrc.gov

Satorius, Mark

From: Pederson, Cynthia
Sent: Wednesday, March 16, 2011 2:19 PM
To: Satorius, Mark
Subject: Re: who are you sending to succession planning meeting?

I would not be surprised if it was rescheduled due to japan.
(sent from Blackberry device)

From: Satorius, Mark
To: Pederson, Cynthia
Sent: Wed Mar 16 15:17:41 2011
Subject: Fw: who are you sending to succession planning meeting?

Mark Satorius

From: Collins, Elmo
To: Satorius, Mark
Cc: McCree, Victor; Dean, Bill; Virgilio, Martin
Sent: Wed Mar 16 14:00:27 2011
Subject: RE: who are you sending to succession planning meeting?

I have to go to California for a site visit with Sen. Feinstein and don't know how I'm going to work this out. I'd suggest rescheduling the meeting

---

From: Satorius, Mark
Sent: Wednesday, March 16, 2011 12:58 PM
To: Collins, Elmo
Cc: Pederson, Cynthia
Subject: Re: who are you sending to succession planning meeting?

Don't know. Marty and I talked last Thursday whether Cindy should go and Marty was going to speak w/ Borchardt. This Japanese thing has prevented that discussion from occurring. Cindy is going to pulse marty again later this week.
Mark Satorius

From: Collins, Elmo
To: Satorius, Mark
Sent: Wed Mar 16 12:46:54 2011
Subject: who are you sending to succession planning meeting?

From: Hopkins, Jon
To: Regan, Christopher
Cc: Cullingford, Michael; Astwood, Heather; Quinones, Lauren; Boger, Bruce; Blount, Tom
Subject: FW: Tracking List Update
Date: Wednesday, March 16, 2011 2:20:40 PM

FYI.

From: Nguyen, Quynh
Sent: Wednesday, March 16, 2011 1:57 PM
To: Andersen, James
Cc: Merzke, Daniel; Meighan, Sean; Grobe, Jack; Holian, Brian; McGinty, Tim; Chang, Richard; Susco, Jeremy; Valentine, Nicholee; Hopkins, Jon; Wittick, Brian
Subject: Tracking List Update

Jim,

Talked to Grobe and am responding for NRR.

(b)(5)

The SOARCA – I have "cc"ed the appropriate RES contact.

Thanks,
Quynh

From: White, Duane
To: Doolittle, Elizabeth
Cc: Walker, Dwight; Haney, Catherine; Dorman, Dan
Subject: RE: Request for Concurrence on AARM Invitation
Date: Wednesday, March 16, 2011 2:21:10 PM

Thank You,

Duane
(301) 415-6272

From: Doolittle, Elizabeth
Sent: Wednesday, March 16, 2011 2:18 PM
To: White, Duane
Cc: Walker, Dwight; Haney, Catherine; Dorman, Dan
Subject: RE: Request for Concurrence on AARM Invitation

Duane, NMSS concurs on the AARM invitation letter.

Elizabeth L. Doolittle
Technical Assistant to the Office Director
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
(301) 492-3238

From: White, Duane
Sent: Monday, March 14, 2011 10:15 AM
To: Doolittle, Elizabeth
Subject: FW: Request for Concurrence on AARM Invitation

Hello Elizabeth,

NRR sent over the AARM invitation for Cathy Haney's concurrence and I wanted to make sure that you received it (see below and attached). NRR is requesting concurrence by March 15th (tomorrow). Please let me know if you have any questions.

Thanks,

Duane E. White, M.S.
AARM Materials Coordinator
FSME/MSSA/RMSB
U.S. Nuclear Regulatory Commission
Phone: 301-415-6272
Fax: 301-415-5955

From: Klett, Audrey
Sent: Friday, March 11, 2011 9:32 AM
To: Wiggins, Jim; Haney, Catherine; Miller, Charles; Johnson, Michael

Cc: Evans, Michele; Dorman, Dan; Carpenter, Cynthia; Holahan, Gary; White, Duane; Kozak, Thomas; Barry, Terrence
Subject: Request for Concurrence on AARM Invitation

Hello Ladies & Gents,

Attached is the 2011 AARM invitation for which I am requesting your concurrence via email. Your concurrence by March 15 would be very much appreciated.

The document can be found at ML110660145.

Thank you!

From:	Thorp, John
To:	Cheok, Michael
Subject:	Out of Office: Memo from B. Sheron to E. Leeds and M. Johnson Re: Publication of NUREG/CR-7037, "Industry Performance of Relief Valves at U.S. Commercial Nuclear Power Plants Through 2007"
Date:	Wednesday, March 16, 2011 2:32:04 PM

I'll be out of the office Tuesday and Wednesday 15 & 16 March. Steve Pannier will serve as acting Branch Chief today. Please contact the acting BC if you need assistance during this period, and it can't wait until I return on Monday. Thanks.

From: Manning, Louis
To: All R1 Users
Subject: Bridge Line for Today"s All Employee Meeting
Date: Wednesday, March 16, 2011 2:40:32 PM

The telephone bridge information for today's all employee meeting is as follows:

Telephone number: 888-324-8128

Passcode: (b)(6) #

The meeting is scheduled to begin at 3:30 PM.

Satorius, Mark

From: Satorius, Mark
Sent: Wednesday, March 16, 2011 2:46 PM
To: Pederson, Cynthia
Subject: Re: Planning for upcoming, short notice Commission meeting

Plane leaves in an hour. Good news about Ken. Keep your fingers crossed.
Mark Satorius

From: Pederson, Cynthia
To: Satorius, Mark
Sent: Wed Mar 16 15:17:47 2011
Subject: Re: Planning for upcoming, short notice Commission meeting

Are you at the airport? Big change is that NRC issued a press release saying Americans should evacuate to 50 miles (this is in conflict with Japanese PAG)
Have a good trip
(sent from Blackberry device)

From: Satorius, Mark
To: Pederson, Cynthia
Sent: Wed Mar 16 15:14:05 2011
Subject: Fw: Planning for upcoming, short notice Commission meeting

Mark Satorius

From: Ruland, William
To: Williams, Donna; Uhle, Jennifer; Sheron, Brian; Moore, Scott; Miller, Charles; Brenner, Eliot; Haney, Catherine; Dorman, Dan; Wiggins, Jim; Evans, Michele; Doane, Margaret; Mamish, Nader
Cc: Johnson, Michael; Holahan, Gary; Leeds, Eric; Grobe, Jack; Howe, Allen
Sent: Wed Mar 16 13:18:34 2011
Subject: Planning for upcoming, short notice Commission meeting

Folks,

Attached find a early draft of a scheduling note for a Commission meeting that may be held as early as this coming Monday, March 21st. NRR has been assigned as the lead to pull the meeting together. As you could imagine, this will take some effort. To help with coordination, please provide me a contact so that we can draw on your expertise and help to make this happen. Alan Howe, currently deputy director of DORL, has the lead to pull this together.

I know you have many questions. I'd ask for your patience as we try to get this done. I'll keep you updated through the contact that you provide to us.

Thank you very much.

Bill Ruland

From:	Nelson, Robert
To:	Rosenberg, Stacey; Alexion, Thomas; Benner, Eric
Cc:	Meighan, Sean; Mahoney, Michael; Bahadur, Sher; Blount, Tom; Brown, Frederick; Cheok, Michael; Evans, Michele; Ferrell, Kimberly; Galloway, Melanie; Giitter, Joseph; Giyvines, Mary; Hiland, Patrick; Holian, Brian; Howe, Allen; Lee, Samson; Lubinski, John; McGinty, Tim; Ouay, Theodore; Ruland, William; Skeen, David; Thomas, Brian
Subject:	FYI: Meeting on 3/17 w/NEI"s Licensing Action Task Force is canceled (eom)
Date:	Wednesday, March 16, 2011 2:50:21 PM
Importance:	High

From:	Doolittle, Elizabeth
To:	Jones, Bradley
Cc:	Walker, Dwight; Rodgers, Mary; Smith, Brian
Subject:	CLOSEOUT: NMSS201100098, Request for comments on Final Rule: Definitions for "Construction" in 10 CFR Parts 30, 36, 40 and 70
Date:	Wednesday, March 16, 2011 2:52:02 PM

Brad,

NMSS has reviewed the documents and has no comments. Therefore, NMSS concurs on the commission paper/final rule.

This closes NMSS201100098, "Request for Comments on Final Rule: Definitions for 'Construction' in 10 CFR Parts 30, 36, 40 and 70".

Thank you,

Elizabeth L. Doolittle
Technical Assistant to the Office Director
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
(301) 492-3238

From: (b)(6)
To: (b)(6)
Subject: RE (b)(6)
Date: Wednesday, March 16, 2011 3:03:50 PM

Mr. Choi ... I'm back!

From: (b)(6)
Sent: Wednesday, March 16, 2011 13:52
To: (b)(6)
(b)(6)
Subject: (b)(6)

(b)(6)

(b)(6)

(b)(6)

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(b)(6)

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(b)(6)

(b)(6)

(b)(6)

Cross Keys:

(b)(6)

From: Hopkins, Jon
To: Regan, Christopher
Cc: Astwood, Heather; Cullingford, Michael; Quinones, Lauren; Boger, Bruce; Arildsen, Jesse; Wittick, Brian
Subject: FW: Current version of Furthering International Security Act of 2011
Date: Wednesday, March 16, 2011 3:07:36 PM
Importance: High

FYI. (b)(5)

(b)(5)

From: Crockett, Steven
Sent: Wednesday, March 16, 2011 2:59 PM
To: Rothschild, Trip; Hirsch, Patricia; Shane, Raeann
Cc: Henderson, Karen; Hopkins, Jon; Rodriguez, Veronica; Schwartzman, Jennifer; Riley (OCA), Timothy; Adler, James; Powell, Amy
Subject: RE: Current version of Furthering International Security Act of 2011
Importance: High

Trip,

(b)(5)

Steve

From: Rothschild, Trip
Sent: Wednesday, March 16, 2011 2:43 PM
To: Crockett, Steven; Hirsch, Patricia
Subject: FW: Current version of Furthering International Security Act of 2011
Importance: High

Steve Crockett is the OGC expert on the Nuclear Safety Convention.

From: Shane, Raeann
Sent: Wednesday, March 16, 2011 2:19 PM
To: Rothschild, Trip
Cc: Schmidt, Rebecca; Powell, Amy; Droggitis, Spiros
Subject: FW: Current version of Furthering International Security Act of 2011
Importance: High

Tripp:

Can you have someone give this a quick look. They want to drop it tomorrow.

Raeann

From: Haynes, Laura (Carper) [mailto:Laura_Haynes@carper.senate.gov]
Sent: Wednesday, March 16, 2011 2:11 PM
To: Shane, Raeann
Subject: Fw: Current version of Furthering International Security Act of 2011

Raeann,

Per our conversation this morning - I'd like NRC's technical assistance on this legislation. Again just want a quick overview to see if we are doing no harm and if we need to add something based on this experience. Thanks!!

Laura Haynes
Office of U.S. Senator Tom Carper
Sent using BlackBerry

From: Ciarcia, Ray (HSGAC)
Sent: Wednesday, March 16, 2011 12:39 PM
To: 'Zarate, Robert' <robert.zarate@mail.house.gov>; Haynes, Laura (Carper)
Subject: Current version of Furthering International Security Act of 2011

Laura, Bob,

Attached is the version of FINSA 2011 that we are looking to introduce by COB tomorrow. Assuming there are no objections to the edits made to FINSA 2010 (see track changes), I plan to send this to leg mid afternoon today. So, if there are any issues, let me know asap.

Thanks!
-Ray

Raymond Ciarcia
202.228.3901

Subcommittee on Oversight of Government Management,
the Federal Workforce, and the District of Columbia
U.S. Senate Committee on Homeland Security and Governmental Affairs
601 Hart Senate Office Building
Washington, DC 20510

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From: Bearde, Diane
To: R1-DL-DRS
Cc: Matakas, Gina; ODaniell, Cynthia; Haverkamp, Trisha; Heater, Keith; Larche, Linda
Subject: DRS Administrative Update
Date: Wednesday, March 16, 2011 3:10:00 PM

Good Afternoon,

We are now in our second month of using the new administrative workflow process and it's going very well. The link to the DRS Work Flow tracking has been added to the DRS Homepage - you can find it centered on the page below the "Notes from the Division Management" link. For those of you who still have questions or missed the January 31 training and subsequent email from me, please let me know. I remain available to attend your branch meetings to answer questions and provide a demonstration of how the workflow tracking works. As a result of suggestions and streamlining the process, we have made some changes locally in the suite, including the removal of two bins that used to sit on the top of my desk. You will now only see the "WorkFlow Review" bin, which is where your workflow jobs should be placed when returning them to us for assistance or processing. Initial walk-up requests can also be placed in the review bin.

You may have also noticed that the mail slots in the DRS mailroom are empty, and have been for a few weeks now. We piloted the idea of delivering your mail to your office instead of placing it in the mail slots. This change provides another administrative improvement in efficiency, as the mail is now delivered to the DRS suite, sorted and delivered to you almost immediately. No longer will you see the piles of incoming mail that have been picked through and the subsequent mess on the counter in the mailroom. Very soon, the mail slots will go away. If you have something for a co-worker, please consider delivering it directly to the person or bring it to the suite; we'll make sure it gets to the recipient. Please note, this change is not a part of workflow. Incoming mail is delivered to the bin marked, "Incoming Mail" on the table in the DRS suite.

Please let me know if you have any questions and thanks for your continued support of these administrative changes.

Diane Bearde
U. S. Nuclear Regulatory Commission
Division of Reactor Safety
(610) 337-5191

From: Lubinski, John
To: Sullivan, Randy
Subject: RE: PMT Director Deputy
Date: Wednesday, March 16, 2011 3:12:00 PM

Correct - thanks

From: Sullivan, Randy
Sent: Wednesday, March 16, 2011 2:47 PM
To: Lubinski, John
Subject: RE: PMT Director Deputy

I can support

Do not mean to be slow, but the 11-7 shift starts on the date indicated, right? So I work from 11-12 on the date indicated and 7 hours the next day? Right?

If so, I am good.

ducky

Randolph Sullivan, CHP

From: Lubinski, John
Sent: Wednesday, March 16, 2011 1:11 PM
To: Cool, Donald; Reis, Terrence; Holahan, Patricia; Holahan, Vincent; Milligan, Patricia; Sullivan, Randy; Tappert, John; Lui, Christiana; Gibson, Kathy
Subject: PMT Director Deputy

I have attached a proposed schedule for us to act as PMT director. I am not sure of everyone's schedule but have heard from a few and included those individuals in the first parts of the schedule.

Please review the attached and confirm your available for 3/19 - 3/26 by noon tomorrow. Also, please provide comments on the remainder of the schedule asap.

Thanks

From:	Greenwood, Carol
To:	RES International Travel Dist; Eisenberg, Wendy
Cc:	Bano, Mahmooda; Wach, Lisa
Subject:	Abdelghani Zigh, OECD/NEA CFD Writing Group Meeting, Paris-France, April 25-28, 2011.
Date:	Wednesday, March 16, 2011 3:12:12 PM
Attachments:	PreTrip notification-Ghani.docx

Please find attached Pre-Trip Report for:

Abdelghani Zigh, OECD/NEA CFD Writing Group Meeting, Paris-France, April 25-28, 2011.

Regards

Carol Greenwood
Lead Administrative Assistant
RES/DSA
U.S. Nuclear Regulatory Commission
Phone: 301-251-3319

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

Appendix A1: Foreign Travel Pre-Trip Notification

This is due 30 days before trip start date. Please complete the light shaded area.

TRAVEL INFORMATION

• **Traveler Name(s):**	Ghani Zigh	• **Phone #:**	301-251-7505
• **E-mail Address:**	Ghani.Zigh@nrc.gov	• **Location:**	Headquarters
• **Travel Dates** [mm/dd/yyyy]:	April 25-28, 2011		
• **Multiple Travelers:**	No		

If 3: Date PMDA submitted Pre-Trip to Office Director(s):	(1)	
	(2)	
	(3)	
	(4)	

If 4+: Office Director Approvals (Name):	(1)	RES: Brian W. Sheron	Date:	
	(2)	CHOOSE ONE OF THE FOLLOWING	Date:	
	(3)	CHOOSE ONE OF THE FOLLOWING	Date:	
	(4)	CHOOSE ONE OF THE FOLLOWING	Date:	
ADAMS Accession Number:				

• **Destination(s)** [City, Country]:	Paris, France		
• **International Organization:**	OECD/NEA		
	OTHER:		
• **Framework:**	International Cooperation Yes	• **Initiatives:**	Severe Accident
		OTHER:	

• **Travel Purpose:**	To participate in a meeting organized by the Committee on the Safety of Nuclear Installations (CSNI) Writing Groups meeting on guidelines of CFD use in Nuclear Reactor Safety (NRS) Applications and Assessment of CFD for NRS. In this specific meeting, discussion about the fourth CFD workshop that will be sponsored by KAERI in South Korea will be discussed. Additionally, OECD/CSNI validation exercises to be used for CFD best practice guidelines will be debated.
• **Traveler Role(s):**	My wide experience in CFD will provide critical insight in the development of the standards for CFD use in the nuclear applications. Additionally, I had an active role in writing three of the reports that were produced by the three CSNI/CFD writing groups for CFD Best practice guidelines.
• **Desired Outcome:**	• Finalize the plans of the fourth CFD workshop that will be sponsored by OECD and KAERI in South Korea. • Finalize the second OECD/NEA/CSNI validation exercise (flow through rod bundle and grid-spacers) • Update The CFD Best practice Guidelines Wiki pages.
• **Is this an NRC Core or Non-Core Trip?** [Core means NRC-Funded Non-Core means travel paid from external organization.]	X Core yes ☒Non-Core

• Is there a speech or presentation to be given?	☐Yes	X No	No
• Are policy issues or other items of Commission interest to be raised?	☐Yes	X No	No
• If yes, how will the Commission be informed?			

From: (b)(6)
To: Haney, Catherine
Subject: (b)(6)
Date: Wednesday, March 16, 2011 3:16:05 PM

(b)(6)

From: Tom Greaves
To: Lubinski, John
Subject: SPAR International 2011 starts in 5 days - Don"t miss out.
Date: Wednesday, March 16, 2011 3:21:55 PM

Having trouble viewing this message? Please click here to view the online version.

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Register now!
Click here or call
972-943-4770

John,

SPAR International is right around the corner. More than 700 people have registered but it's not too late to join us.

Just click here to register; don't miss:

- Brian Matthews, **Autodesk Labs**, speaking about how 3D technology is reshaping design.
- David Lafferty, BP, discussing 3D virtual environments in BP operations
- Jason Hosch, Intel Corporation, discussing how the company is using scanning, 3D CAD and BIM to retrofit existing facilities and construct new factories
- Jonathan Porter, PhD, Federal Highway Administration, moderating a panel on mobile surveying
- James Beaman, Jacobs Groups, NASA-JSC, giving an overview of scanning Historic Chamber A at Johnson Space Center in Houston.
- Robert Green, Vectors Incorporated, and Shawn Binion, Bookcliff Survey Services, on the geodetic and 3D scanning survey done along the US/Mexico border.
- John Russo, ARC, Michael Frecks, TerraMetrix, Blaine Kortemeyer, Mount Rushmore, Al Remley, San Antonia Mission National Historic Site, and Elizbeth Lee, CyArk, in a panel discussion comparing and contrasting new technology and old guidelines for historic architecture building documentation.
- Get caught up: See new pointcloud processing software, online data processing, indoor mobile mapping, underwater imaging, augmented reality, high dynamic range photography and more.

There are 34 sessions taking place at SPAR International, 12

Technical Seminars, and 6 User Meetings. There's no better place to learn about the latest technologies and applications and network with other 3D professionals than at SPAR International 2011.

Register today.

Tom Greaves, Managing Director
SPAR International 2011

Success is Measured

This email is being sent to SPAR international industry contacts and customers. If you do not wish to receive these notices in the future, click here. You can also unsubscribe by mailing us at: Diversified Business Communications, 121 Free Street Portland ME 04101 P.O. Box 7437 Portland ME 04112.

From: Bajwa, Chris
To: Haney, Catherine
Cc: White, Bernard; Rahimi, Meraj
Subject: RE: Planning for upcoming, short notice Commission meeting
Date: Wednesday, March 16, 2011 3:27:11 PM

Yes,
Will do.

From: Haney, Catherine
Sent: Wednesday, March 16, 2011 3:11 PM
To: Bajwa, Chris
Subject: FW: Planning for upcoming, short notice Commission meeting

Can you work with SFST staff to get this information to Allen?

From: Leeds, Eric
Sent: Wednesday, March 16, 2011 2:29 PM
To: Haney, Catherine
Cc: Ruland, William; Ordaz, Vonna; Howe, Allen
Subject: RE: Planning for upcoming, short notice Commission meeting

Thanks, Cathy. With the issues on Spent fuel pools, we should address the issue with the Commission – as well as the potential for dry cask storage. I know we did a bunch of work on airplanes hitting casks for the Goshute Indian facility – and the potential impact. Can we get that info?

Eric J. Leeds, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
301-415-1270

From: Haney, Catherine
Sent: Wednesday, March 16, 2011 2:06 PM
To: Ruland, William; Williams, Donna; Uhle, Jennifer; Sheron, Brian; Moore, Scott; Miller, Charles; Brenner, Eliot; Dorman, Dan; Wiggins, Jim; Evans, Michele; Doane, Margaret; Mamish, Nader
Cc: Johnson, Michael; Holahan, Gary; Leeds, Eric; Grobe, Jack; Howe, Allen; Bajwa, Chris
Subject: RE: Planning for upcoming, short notice Commission meeting

NMSS POC is Chris Bajwa, SFST

From: Ruland, William
Sent: Wednesday, March 16, 2011 1:19 PM
To: Williams, Donna; Uhle, Jennifer; Sheron, Brian; Moore, Scott; Miller, Charles; Brenner, Eliot; Haney, Catherine; Dorman, Dan; Wiggins, Jim; Evans, Michele; Doane, Margaret; Mamish, Nader
Cc: Johnson, Michael; Holahan, Gary; Leeds, Eric; Grobe, Jack; Howe, Allen
Subject: Planning for upcoming, short notice Commission meeting

Folks,

Attached find a early draft of a scheduling note for a Commission meeting that may be

held as early as this coming Monday, March 21st. NRR has been assigned as the lead to pull the meeting together. As you could imagine, this will take some effort. To help with coordination, please provide me a contact so that we can draw on your expertise and help to make this happen. Alan Howe, currently deputy director of DORL, has the lead to pull this together.

I know you have many questions. I'd ask for your patience as we try to get this done. I'll keep you updated through the contact that you provide to us.

Thank you very much.

Bill Ruland

From: (b)(6)
To: Grobe, Jack
Subject: (b)(6)
Date: Wednesday, March 16, 2011 3:27:12 PM

(b)(6)

From: WinMagic Inc.
To: Boger, Bruce
Subject: Complimentary Dinner Event - Demystifying Data Security
Date: Wednesday, March 16, 2011 3:29:28 PM

Please click here if you are having trouble viewing this email.

WinMagic: Your Laptop Encryption Specialists

DeMystifying Data-At-Rest Security

Security breaches caused by once-trusted employees and contractors account for one in five attacks across all industry sectors. Moreover, the consequences of such events can be significant: Insider security breaches are more costly than those by outside hackers. Such developments are spurring agencies to redouble their efforts to strengthen internal defenses while still balancing the need for trusted insiders to appropriately access sensitive information for their jobs.

WinMagic and Intel® invite you to attend an evening dinner presentation entitled **Demystifying Data-At-Rest Security** with a presentation by **Michael Theis**, Former Chief of Cyber Counterintelligence, National Reconnaissance Office, U.S. Department of Defense now President Cyber-Insider Threat Solutions.

Join us to learn more about:

- Insider Threat Strategies - the most effective proactive and defensive practices
- Telework - How to Manage
- Data-At-Rest Protection Methodologies

Where & When

Bobby Van's Steakhouse
809 15th Street, NW between H and I Street (view map)
Phone #:(202) 589-0060

March 30, 2011 | *5:00pm - 8:00pm*

Seating is Limited, RSVP by March 25, 2011

Reduce the total cost of ownership

WinMagic develops disk encryption software to protect data-at-rest. Its SecureDoc line of products ensures protection of sensitive information or personally identifiable information stored on endpoint devices including desktops, notebooks, external USB drives, and CD/DVDs. SecureDoc employs single or multiple factor pre-boot authentication, an AES 256-bit crypto engine, and a SecureDoc Enterprise Server to configure, manage and deploy this disk encryption solution.

About the Presenter

Michael C. Theis has more than 25 years of experience as a counterintelligence special agent and 30+ years of concurrent work in computer systems engineering. He directs cyber threat management strategies for detecting and combating trusted insider threats to the federal government and private sector.

2006, Mr. Theis was named one of the Premier 100 IT Leaders in the nation by COMPUTERWORLD Magazine and is a Judge of international government IT business case submissions for the IT Honors Foundation. He is a frequent keynote speaker at government and private sector conferences and has also guest lectured at Harvard and MIT about his work on modeling human behavior in cyberspace for counterintelligence applications.

Sincerely,
WinMagic Inc.

Deb Symons
Director, NA Field Marketing

Tel: 857-277-0760 | Email: deb.symons@winmagic.com
www.winmagic.com

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unsubscribe here unsubscribe@winmagic.com
clicking here

From: Cohen, Shari
To: Cheok, Michael
Subject: RE: Now I remember my question
Date: Wednesday, March 16, 2011 3:47:37 PM

Not aware of any – sorry Michael.

Shari Cohen, Contract Secretary
Office of Nuclear Reactor Regulation, USNRC
Room – O-13H18 / Mail Stop - O13H16M
Phone – 301-415-1270
Fax - 301 - 415-8333
Email - shari.cohen@nrc.gov

From: Cheok, Michael
Sent: Wednesday, March 16, 2011 3:30 PM
To: Cohen, Shari
Subject: Now I remember my question

Did I get a phone message to call back someone from MIT? Thanks

Mike

From:	Doolittle, Elizabeth
To:	Frazier, Alan
Cc:	Kokajko, Lawrence; Mohseni, Aby; Waters, Michael; Haney, Catherine; Dorman, Dan
Subject:	RE: WITS 201000286: Annual Information Paper on the Status of the SNF Storage and Transportation Program Review
Date:	Wednesday, March 16, 2011 3:32:38 PM

I will submit an extension request through normal channels.

From: Frazier, Alan
Sent: Wednesday, March 16, 2011 3:09 PM
To: Doolittle, Elizabeth
Cc: Kokajko, Lawrence; Mohseni, Aby; Waters, Michael; Haney, Catherine; Dorman, Dan
Subject: WITS 201000286: Annual Information Paper on the Status of the SNF Storage and Transportation Program Review

Beth,

Yesterday afternoon I talked to Cathy about the subject ticket. (b)(5)

(b)(5)

Please let me know if you have any questions.

Alan L. Frazier
Executive Technical Assistant
Office of the Executive Director for Operations
U.S. Nuclear Regulatory Commission
301-415-1763

From: Doolittle, Elizabeth
Sent: Monday, March 14, 2011 4:07 PM
To: Frazier, Alan
Subject: RE: Reply Requested: 201000286

Alan, some additional information.....

The staff will provide a status update no later than April/May 2012.

(b)(5)

(b)(5)

Let us know if you need more.

Beth

From: Frazier, Alan
Sent: Monday, March 14, 2011 3:07 PM
To: Doolittle, Elizabeth
Cc: Waters, Michael; Weaver, Doug; Ordaz, Vonna; Haney, Catherine; Dorman, Dan
Subject: FW: Reply Requested: 201000286
Importance: High

Beth,

(b)(5)

Alan

From: Shea, Pamela
Sent: Monday, March 14, 2011 10:38 AM
To: Frazier, Alan
Cc: Bavol, Rochelle; Laufer, Richard
Subject: Reply Requested: 201000286
Importance: High

Alan,

(b)(5)

Question:

(b)(5)

(b)(5)

Thank you,
Pam

From: McLaughlin, Marjorie

To: McLaughlin, Marjorie; R1ENFORCEMENT RESOURCE; Dapas, Marc; R1ALLEGATION RESOURCE; Collins, Daniel; Roberts, Darrell; Wilson, Peter; Lew, David; Clifford, James; Gray, Mel; Baker, Pamela; Walker, Tracy; Burritt, Arthur; Dentel, Glenn; Krohn, Paul; Bellamy, Ronald; Trapp, James; Conte, Richard; Hansell, Samuel; Rogge, John; Doerflein, Lawrence; Cahill, Christopher; Schmidt, Wayne; Cook, William; Dwyer, James; Joustra, Judith; Ferdas, Marc; Henderson, Pamela; Miller, Marie; ODaniell, Cynthia; Matakas, Gina; Heater, Keith; Thompson, Margaret; Bearde, Diane; Miskey, Cheryl; Toukatly, Kelly; Haverkamp, Trisha; Powell, Gerry; Holmes, Marcy; Nick, Joseph; Farrar, Karl; Wilson, Ernest; Richart, Paul; Ferich, Jeffrey; Gallagher, Diane; Teator, Jeffrey; Mullen, Mark; Hasan, Nasreen; Solorio, Dave; Cai, June; Ghasemian, Shahram; Hilton, Nick; Starkey, Doug; Gulla, Gerald; Sreenivas, Leelavathi; Woods, Susanne; Bowman, Gregory; Wray, John; Summers, Robert; Day, Kerstun; Coleman, Nicole; Burrell, Michael; Einberg, Christian; Villamar, Glenda; Burgess, Michele; Lougheed, Patricia; Sparks, Scott; Evans, Carolyn; Maier, Christi; Heck, Jared; Pelke, Paul; Jones, William; Orth, Steven; Deese, Rick; Wharton, Raynard; Pascarelli, Robert; Ashley, MaryAnn; Scott, Catherine; Clark, Michael; Boote, Christine; Sexton, Kimberly; Barkman Marsh, Molly; Checkle, Melanie; Zimmerman, Roy; White, Duane; Furst, David; Kellar, Ray; Pinkham, Laurie; Jehle, Patricia; Faria-Ocasio, Carolyn; Hernandez, Pete; Coker, Shyrl; Campbell, Andy; Riddick, Nicole; White, Duane; Hott, Christopher; Juris, Krista; Lorson, Raymond; Kennedy, Silas; Welling, Blake; Weerakkody, Sunil

Cc: Hannan, Mark; Caron, Dana; Gordon, Craig; Rosebrook, Andrew; Torres, Edgardo; Ibarrola, Sherlyn; Cline, Leonard; Turilin, Andrey; Douglas, Christopher

Subject: RI Enf Panel Sch 3/22 & Current Status

Date: Wednesday, March 16, 2011 3:36:41 PM

Attachments: EA-11-054 Corporate Issue.docx
EA-11-049 LAN issue.docx
032211- ENF PNL SCHEDULE.docx
Pending Status 3-15-11.docx

~~PREDECISIONAL ENFORCEMENT INFORMATION - DO NOT DISCLOSE~~

Greetings,

This message provides:

(1) Next Week's Enforcement Panel Schedule (Schedule and EAWs attached)
(2) A Heads-up on Upcoming Panels and Conferences
(3) The 3/15/2011 Status of Region I's Enforcement Cases

(1) PANEL SCHEDULE: Tuesday, March 22, 2011:

OI OUTBRIEFS:

1:00 pm EST S&R Engineering - Outbrief for OI Case 1-2010-052 (inaccurate info to NRC)

1:20 pm EST Susquehanna - Outbrief for OI Case 1-2010-055 (SRO failed to report arrest)

SERP:

1:45 pm EST Seabrook (EA-11-049/-054) - 2 instances of uncontrolled SGI (note that there are two SERP worksheets; one for each instance)

THE PANEL WILL BE CONDUCTED BY VTC. RI PARTICIPANTS WILL MEET IN THE EXECUTIVE CONFERENCE ROOM

STAFF FROM ALTERNATE LOCATIONS MAY PARTICIPATE BY TELEPHONE: BRIDGE NUMBER: (888) 677-8698; Passcode (b)(6) #

2) UPCOMING PANELS/SERPS:

Del Valle Group (EA-11-009) – Possession of radium gauges without an NRC

license – Panel Date TBD

Calvert Cliffs (EA-11-XXX) – Uncontrolled SGI – SERP Date TBD

Millstone (EA-11-XXX) – Unplanned power increase – SERP Date TBD

Susquehanna (EA-11-XXX) – Exercise of Discretion for Old Design Issues – SERP Date TBD

(3) THE REGION I ENFORCEMENT STATUS AS OF 3/15/11 IS ATTACHED.

If you have any questions, please call Anne DeFrancisco at 610-337-5078, Marjorie McLaughlin at 610-337-5240 or Dan Holody at 610-337-5312. Thank you.

~~PREDECISIONAL ENFORCEMENT INFORMATION - DO NOT DISCLOSE~~

Significance Determination Process (SDP) Enforcement Review Panel (SERP) Worksheet

EA Number: 2011-054
Date of SERP: March 22, 2011
Licensee: NextEra
Facility/Location: Seabrook/Seabrook, NH.
Docket Number: 05000443
License Number: NPF 86
Inspection Report Number: 05000443/2010403
Date of Exit Meeting: March XX, 2011

Cornerstones Affected: Safeguards
Proposed Preliminary Results: Green
Issue Sponsor: Dana Caron/ Silas Kennedy
RI Goals for Case Processing [Actual days*]:

- 30 days from exit to SERP [32 days*]
- 15 days from SERP to Prelim Det Ltr / IR
- 30 days from Prelim Det Ltr to RegConf (incl 10 days to sch);
- 90 days from Ltr to Final Det Ltr

*** If Applicable, Basis of Delay:**

Meeting Members
Technical Spokesperson: Program Spokesperson:
OE Spokesperson:
Issue Sponsor: Dana Caron/ Silas Kennedy
Regional Attendees: Wilson, Roberts, Clifford, Holody, McLaughlin, DeFrancisco, Farrar, PB3
HQ Attendees: OE, NRR, NSIR

A. Brief Description of Issue

(b)(5)

(b)(5)

B. Statement of Performance Deficiency

(b)(5)

C. Significance Determination Basis

(b)(5)

D. **Proposed Enforcement**

1.

2.

(b)(5)

3.

4.

E. **Determination of Follow-up Review**

(b)(5)

Attachment 1

SERP Disposition Record

Proposed Actions (See OE Strategy Form for official record of panel decision):

(b)(5)

Enforcement Timeliness Goals and Metrics

Timeliness Goals

- 30 days from exit to SERP
- 15 days from SERP to Preliminary Determination Letter and inspection report
- 30 days from issuance of the Ltr to Regulatory Conference, and 10 days to set up date of Regulatory Conference
- 90 days from Ltr to Final Determination

Metrics

- The Final Determination Letter must be issued within an average of 120 days of the inspection exit, and no later than 180 days from the inspection exit.

- Final Determination Letters must be issued within 90 days of the issuance of the Preliminary Determination Letter and inspection report.

Significance Determination Process (SDP) Enforcement Review Panel (SERP) Worksheet

EA Number: 2011-049
Date of SERP: March 22, 2011
Licensee: NextEra
Facility/Location: Seabrook/Seabrook, NH.
Docket Number: 05000443
License Number: NPF 86
Inspection Report Number: 05000443/2010404
Date of Exit Meeting: March XX, 2011

Cornerstones Affected: Safeguards
Proposed Preliminary Results: Green
Issue Sponsor: Dana Caron/ Silas Kennedy
RI Goals for Case Processing [Actual days*]:

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- 30 days from Prelim Det Ltr to RegConf (incl 10 days to sch);
- 90 days from Ltr to Final Det Ltr

*** If Applicable, Basis of Delay:**

<u>Meeting Members</u>
Technical Spokesperson: Program Spokesperson:
OE Spokesperson:
Issue Sponsor: Dana Caron/ Silas Kennedy
Regional Attendees: Wilson, Roberts, Clifford, Holody, McLaughlin, DeFrancisco, Farrar, PB4
HQ Attendees: OE, NRR, NSIR

A. Brief Description of Issue

(b)(5)

(b)(5)

(b)(5)

B. Statement of Performance Deficiency

(b)(5)

C. Significance Determination Basis

(b)(5)

(b)(5)

D. Proposed Enforcement

(b)(5)

(b)(5)

E. Determination of Follow-up Review

(b)(5)

Attachment 1

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Proposed Actions (See OE Strategy Form for official record of panel decision):

(b)(5)

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SERP/ ENFORCEMENT PANEL SCHEDULE - Tuesday – March 22, 2011 at 1:00 pm EST

TIME	LICENSEE	ISSUES	ATTENDEES DRP	DNMS	DRS	OTHER
1:00 pm EST	S&R Engineering	Outbrief for OI Case 1-2010-052 (inaccurate info to NRC)		X		OI OE FSME OGC
1:20 pm EST	Susquehanna	Outbrief for OI Case 1-2010-055 (SRO failed to report arrest)	X		X	OI OE NRR NSIR OGC
1:45 pm EST	Seabrook	2 instances of uncontrolled SGI	X		L	OE NSIR NRR

L = LEAD DIVISION X = ATTENDEE

THE PANEL WILL BE CONDUCTED BY VTC.
STAFF FROM ALTERNATE LOCATIONS MAY PARTICIPATE BY TELEPHONE:
BRIDGE NUMBER: (888) 677-8698; Passcode (b)(6) #

REGION I PARTICIPANTS WILL MEET IN THE EXECUTIVE CONFERENCE ROOM

S:\Enf-allg\Enforcement\Panel schedule\032211- ENF PNL SCHEDULE.docx

PREDECISIONAL ENFORCEMENT INFORMATION – DO NOT DISCLOSE

RI Lead – Potential **ESCALATED OI** Enforcement Cases and **DFIs** (AS OF 3/15/11)

Div	Licensee (subject)	Enf Staff	EA#/Status History	Start Date	Time Goal:180	Prop Action	Action Needed
DRP	Fitz (No resp fit test; RP Proc Viols)	AD/ NC	(b)(5)	TBD	TBD	NOV-III & -IV	RECONSIDER HOLDING FOR DOJ & 3rd OI CASE
DRS	Calvert Cliffs (uncntrld SGI)	AD/ DF		TBD	TBD	POT GTG FIN (OI OPEN)	BRF RA; EXIT; SERP (W/ OI)

RI Lead – Potential **ESCALATED NON-OI** Enforcement Cases

Div	Licensee (Subject)	Enf Staff	EA#/Status History	Start Date	Time Goal:120 (90)	Prop Action	Action Needed
DNMS	Milone & MacBroom (30.34i)	MM/ LS	(b)(5)	1/20/11	54	(b)(5)	
DNMS	Pall Corp (Security Order)	AD/ LS		12/14/10	91		
DNMS	U MD (Security Order)	AD/ LS		1/10/11	64		
DRS	Seabrook (uncntrld SGI)	AD/ DF		TBD	TBD		
DNMS	Del Valle Grp (no NRC lic)	MM/ NC		TBD	TBD		
DNMS	WVUH (med event rpt)	AD/ TBD		2/8/11	35		
DRS	Susquehanna (Inatt Sec Ofcr)	MM/ DF		2/11/11	32		
DRP	Millstone (Unplnd Pwr Incrs)	TBD/ TBD		TBD	TBD		
DRP	Susquehanna (HPCI/RCIC iso)	TBD/ CFO		TBD	TBD		

RI Lead – Potential **NON-ESCALATED OI** Enforcement Cases (with OE Involvement)

Div	Licensee (Subject)	Enf Staff	EA#/Status History	Start Date	Time	Prop Action	Action Needed
DRP	Nine Mile (failed ST not reported)	MM/ CFO	(b)(5)	12/16/10	89	(b)(5)	
RI L				ith OE Involvement)			
Div	Licensee (Subject)	Enf Staff		Start Date	Time		
DRP	Seabrook (concrete insp)	AD/ TBD		TBD	TBD		
DNMS	Caribbean NDE (NSTS)	AD/ LS		TBD	TBD		
R				rongdoing Likely)			
Div	Licensee/ Individual (subject)	Enf Staff		Start Date	Time		
DRP	Fitzpatrick (FIs RP Rcrds)	TBD/ TBD		TBD	TBD		
DRP	Peach Bottom (SO arrest rpt)	TBD/ TBD		TBD	TBD		
DNMS	S&R Engr (inacc info)	TBD/ TBD		TBD	TBD		
DNMS	Susquehanna (RO arrest rpt)	TBD/ TBD		TBD	TBD		

~~PREDECISIONAL ENFORCEMENT INFORMATION – DO NOT DISCLOSE~~

Other Office Lead, but Involves or Could Impact RI Facilities – **VARIOUS**

Offc	Licensee (Subject)	Enf Stf	EA#/Status	Start Date	Time	Prop action	Action Needed
FSME	Army (DU) – var bases, incldng Fts Benning (GA) and Campbell (KY)	N/A	(b)(5)	N/A	N/A	(b)(5)	
RIII	Exelon (decrease in EPlan effectiveness) - Braidwood, but impacts all Exelon plants	AD		N/A	N/A		

RI Lead – Await Completion of Actions - **Orders / CPs / DFIs**

Div	Licensee (Subject)	Enf Stf	EA#/Status History	Start Date	Time	Action Needed
DNMS	**NY** – QISI (radiography viol)	AD/ LS	(b)(5)	3/10/09		(b)(5)
DNMS	**PR** - BGamma (inacc rec)	AD/ LS		1/21/10		
DNMS	Sup Well (temp lost src/trng rec)	MM/ LS		4/28/10		

RI Lead – Await Handling of Response to **CP/ORDER/>GREEN FINDNG**

Div	Licensee (Subject)	Enf Stf	EA#/Status History	Start Date	Time	Action Needed

Open Confirmatory Action Letters (Awaits **CAL CLOSURE**)

DRP	Date CAL	DRS	Date CAL	DNMS	Date CAL

Open **CHILLING EFFECT** LETTERS

DRP	CEL	RESP	DRS	CEL	RESP	DNMS	CEL	RESP

GOAL: ***Appeal has merit for review if licensee contends actual plant hardware, procedures, or equipment configuration not considered by NRC, or SDP inconsistent with guidance or lacks justification. If no merit, RA response to indicate why. If merit, RA appoints panel of two specialists in cornerstone, & enforcement specialist. One must not have prior involvement. RA to respond within 15 business days of the licensee submittal.***

FY 2011 TIMELINESS/WORKLOAD SUMMARY

Types of Cases	Metric	Mat/Decom	Op Rx	Overall	Goal
Escalated (NOV with SLIII, white, yellow, or red; CP; Order)	Non OI cases – #	5	3	8	
	Non OI cases - # < 180 days	5	3	8	All ≤180
	Non OI cases – average days	51	100	69	Avg ≤120
	OI cases - #	1	1	2	
	OI cases - # < 360 days	1	1	2	All ≤360
	OI cases – average days	176	65	121	Avg ≤180
Orders, included above	# cases				
Civil penalties, included above	# cases	1		1	
SDP > green with NOVs, included above	# cases		3	3	All ≤90 from IR
SDP > green with no NOV	# cases		2	2	All ≤90 from IR
SDP Parallel > green	# cases				
SDP green after Reg Conf	# cases		1	1	
Actions against individuals, incl. in above	# Orders				
	# ADR Confirmatory Orders				
	# ADR NOVs				
	# NOVs I, II, III				
	# ADR Ltrs of Reprimand				
Actions against individuals, not incl.above	# NOVs SLIV				
	# Ltrs	5	7	12	
	# ADR closeout ltrs				
Orders Imposing CPs	# cases				
Letters withdrawing CPs	# cases				
ADR Settlement Confirmatory Order	# cases	1		1	
ADR Close-out Letter	# cases	1	1	2	
Demands for Info	# cases				
Other actions involving significant efforts	# NOV-IVs	4		4	
	# NOV-Greens		2	2	
	# NCVs	1	4	5	
	# minor violations				
	# Exer of Disc		4	4	
	# EoDs-ICM SLIII (good faith)				
	# ADR closeout ltrs				
	# Order closeout ltrs				
	# DFI closeout ltrs				
Ltrs only to licensees	# Ltrs		1		
NRC responses to disputed violations	# cases				
CALs or CAL supplements	# cases	1		1	
CELs	# cases				

S:\Enf-allg\Enforcement\Status\Status Reports\Pending Status 3-15-11.docx

McKelvey, Harold

From: Collins, Elmo
Sent: Wednesday, March 16, 2011 3:41 PM
To: Powell, Amy
Subject: Re: Still trying to catch up with Sen F's staff

Thank you
Elmo

----- Original Message -----
From: Powell, Amy
To: Collins, Elmo
Sent: Wed Mar 16 16:04:40 2011
Subject: Still trying to catch up with Sen F's staff

Hopefully he and I will connect after the Senate EPW "briefing" happening now. I'll keep you posted.

Amy Powell
Associate Director
Office of Congressional Affairs
U. S. Nuclear Regulatory Commission
Phone: 301-415-1673

Sent from my Blackberry

Satorius, Mark

From: Vassos, John
Sent: Wednesday, March 16, 2011 3:48 PM
To: All R3 Users
Subject: St. Patrick's Day Coffee and Donuts
Attachments: March 17 flyer EWRA.pdf

Importance: Low

Afternoon all,

A quick reminder before you go home; wear your green tomorrow and if you can stop by the DRP Conference Room, join us for some coffee and donuts from 8am until 9am.

Hope to you see you all in the morning!

John F. Vassos

Satorius, Mark

From: jean.brown@gsa.gov
Sent: Wednesday, March 16, 2011 3:51 PM
To: &FEB_ONLY__FEB_Master_List@gsa.gov; &FEB_ONLY__FEB_List_2@gsa.gov; &FEB_ONLY__FEB_Executive_Committee@gsa.gov; &FEB_ONLY__Federal_Midwest_Human_Resources_Council@gsa.gov
Subject: House passed another 3-week CR yesterday and it is scheduled to go to the Senate "later in the week" and the to the President, for signature, if/when it passes.
Attachments: governmentshutdown[1].pdf

FEB Colleagues: I saw this Guide Book today and thought that it provided a fairly comprehensive overview --- especially useful for those of us who were not around for previous Government Shutdowns.

In case you were not aware, the House passed another 3-week CR yesterday and it is scheduled to go to the Senate "later in the week" and the to the President, for signature, if/when it passes. Stay tuned!

Jean Brown
Executive Director, Chicago Federal Executive Board
77 W. Jackson Suite 2115, Chicago, IL 60604
p: 312-353-6790, f: 312-353-3058
e: Jean.Brown@GSA.Gov
www.Chicago.FEB.GOV

Shutdowns Mean Furloughs, Other Disruptions

With the threat of a government shutdown looming due to continued budget disagreements, the Congressional Research Service recently updated a report on the causes and past experiences of shutdowns, including policies on furloughing employees.

Summary
When federal agencies and programs lack appropriated funding, they experience a funding gap. Under the Anti deficiency Act, they must cease operations, except in emergency situations.

Failure of the President and Congress to reach agreement on interim or full-year funding measures occasionally has caused government shutdowns, the longest of which lasted 21 days, from December 16, 1995, to January 6, 1996. Government shutdowns have necessitated furloughs of several hundred thousand federal employees, required cessation or reduction of many government activities, and affected numerous sectors of the economy. This report discusses the causes, processes, and effects of federal government shutdowns, including potential issues for Congress.

Budget Negotiations and Choices

It has been said that "conflict is endemic to budgeting." If conflict between Congress and the President or within Congress impedes the timely enactment of annual appropriations acts or continuing resolutions, the possibility of a government shutdown arises.
During high-stakes negotiations over appropriations measures, a number of options present themselves to Congress and the President, including

- coming to agreement on regular appropriations acts before the beginning of a new fiscal year;
- using one or more interim continuing resolutions (CRs) to extend temporary funding until final decisions are made; or
- not agreeing on full-year or interim appropriations acts, resulting in a funding gap and a corresponding shutdown of federal activities.

If Congress and the President pursue the second or third options, they may agree on full-year appropriations after the beginning of the fiscal year by using a full-year CR or, more commonly, regular appropriations acts (e.g., singly or in omnibus legislation). Congress and the President frequently agree on full-year or interim funding without coming to an impasse. On other occasions, however, Congress and the President may not come to an accommodation in time to prevent a funding gap.

Causes of Federal Shutdowns

The federal fiscal year begins October 1. For agencies and programs that are funded through annual appropriations acts, Congress and the President must enact interim or full-year appropriations by this date if many governmental activities are to continue operating. If interim or full-year appropriations are not enacted into law, the time interval when agency appropriations are not enacted is referred to as a "funding gap." A funding gap also may occur any time a CR expires and another CR (or regular appropriations bill) is not enacted immediately thereafter.

When a funding gap occurs, the federal government begins a "shutdown" of the affected activities, including the furlough of non-emergency personnel and curtailment of agency activities and services. Programs that are funded by laws other than annual appropriations acts (e.g., entitlements like Social Security) also may be affected by a funding gap, if program execution relies on activities that receive annually appropriated funding. Funding gaps and government shutdowns have occurred in the past when Congress and the President did not enact regular appropriations bills by the beginning of the fiscal year.

They also have occurred when Congress and the President did not come to an agreement on stop-gap funding through a CR. As noted in another CRS report, six fairly lengthy funding gaps occurred from FY1977 to FY1980, ranging from 8 to 17 full days. Subsequently, the durations of funding gaps shortened considerably. From FY1981 to FY1995, nine funding gaps occurred with durations of up to three full days. A significant exception to the trend occurred in FY1996, when President William Clinton and the 104th Congress engaged in extended negotiations over budget policy. Two funding gaps and corresponding shutdowns, amounting to 5 days and 21 days, ensued. There have been no similar funding gaps since FY1996.

The Constitution, statutory provisions, court opinions, and Department of Justice (DOJ) opinions provide the legal framework for how funding gaps and shutdowns have occurred in recent decades. Article I, Section 9 of the Constitution states that "No Money shall be drawn from the Treasury, but in Consequence of Appropriations made by Law." Federal employees and contractors cannot be paid, for example, if appropriations have not been enacted. It would still be possible under the Constitution, nevertheless, for the government to make contracts or other obligations if it lacked funds to pay for these commitments.

The so-called Anti deficiency Act prevents this, however. The act prohibits federal officials from obligating funds before an appropriations measure has been enacted, except as authorized by law. The act also prohibits acceptance of voluntary services and employment of personal services exceeding what has been authorized by law.10 Exceptions are made under the act to the latter prohibition for "emergencies involving the safety of human life or the protection of property." Therefore, the Anti deficiency Act generally prohibits agencies from continued operation in the absence of appropriations.

Failure to comply with the act may result in criminal sanctions, fines, and removal. For years, many federal agencies continued to operate during a funding gap, while "minimizing all nonessential operations and obligations, believing that Congress did not

intend that agencies close down" while waiting for the enactment of annual appropriations acts or continuing resolutions. In 1980 and 1981, however, Attorney General Benjamin R. Civiletti issued two opinions that more strictly interpreted the Anti deficiency Act in the context of a funding gap, along with its exceptions.

The opinions stated that, with some exceptions, the head of an agency could avoid violating the Anti deficiency Act only by suspending the agency's operations until the enactment of an appropriation. In the absence of appropriations, exceptions would be allowed only when there is "some reasonable and articulable connection between the function to be performed and the safety of human life or the protection of property." In 1990, in response to the 1981 Civiletti opinion, Congress amended 31 U.S.C. § 1342 to clarify that "the term 'emergencies involving the safety of human life or the protection of property' does not include ongoing, regular functions of government the suspension of which would not imminently threaten the safety of human life or the protection of property."

DOJ's Office of Legal Counsel (OLC) issued a memorandum in 1995 that interpreted the effect of the amendment (hereafter, "1995 OLC opinion"). The 1995 OLC opinion said one aspect of the 1981 Civiletti opinion's description of emergency governmental functions should be modified in light of the amendment, but that the 1981 opinion otherwise "continues to be a sound analysis of the legal authorities respecting government operations" during a funding gap.

Effects of a Federal Government Shutdown

Effects on Federal Officials and Employees

Effects of a shutdown may occur in anticipation of a funding gap (e.g., planning), during a gap (furlough and curtailed operations), and afterwards (e.g., reducing backlogs of work). An immediate shutdown effect is the "shutdown furlough" of certain federal employees (i.e., placement in a temporary, non-duty, non-pay status).

Several types of officials and employees are not subject to furlough. These include Members of Congress, the President, presidential appointees, certain legislative branch employees, and federal employees deemed "excepted."

"Excepted" employees, who are required to work during a shutdown, are described as "employees who are excepted from a furlough by law because they are (1) performing emergency work involving the safety of human life or the protection of property, (2) involved in the orderly suspension of agency operations, or (3) performing other functions exempted from the furlough."

Shutdown furloughs are not considered a break in service and are generally creditable for retaining benefits and seniority. Also, federal employees who have been affected by shutdowns historically have received their salaries retroactively. As noted earlier, the two most recent shutdowns occurred in FY1996. The first, which lasted five full days

between November 13-19, 1995, resulted in the furlough of an estimated 800,000 federal employees. It was caused by the expiration of a continuing resolution agreed to on September 30, 1995 (P.L. 104-31), and by President Clinton's veto of a second continuing resolution and a debt limit extension bill. The second FY1996 partial shutdown of the federal government, and the longest in history, lasted 21 full days between December 15, 1995, and January 6, 1996. The shutdown was triggered by the expiration of a continuing funding resolution enacted on November 20, 1995 (P.L. 104-56), which funded the government through December 15, 1995. On January 2, 1996, the estimate of furloughed federal employees was 284,000. Another 475,000 excepted federal employees continued to work in nonpay status. There were several short-term continuing resolutions between January 6, 1996, and April 26, 1996, when the Omnibus Consolidated Rescissions and Appropriations Act of 1996 (P.L. 104-134) was enacted to fund any agencies or programs not yet funded through FY1996.

Examples of Excepted Activities and Personnel

Previous determinations of excepted activities and personnel would not necessarily hold for any future shutdown. However, past experience may inform future OMB and agency decisions. An OMB memorandum of November 17, 1981, from Director David A. Stockman to the heads of executive agencies, identified "examples of excepted activities." The memorandum, which still was in effect for the FY1996 shutdowns, explained Beginning [on the first day of the appropriations hiatus], agencies may continue activities otherwise authorized by law, those that protect life and property and those necessary to begin phase down of other activities. Primary examples of activities agencies may continue are those which may be found under applicable statutes to:

1. Provide for the national security, including the conduct of foreign relations essential to the national security or the safety of life and property.

2. Provide for benefit payments and the performance of contract obligations under no-year or multi-year or other funds remaining available for those purposes.

3. Conduct essential activities to the extent that they protect life and property, including:

   a. Medical care of inpatients and emergency outpatient care;
   b. Activities essential to ensure continued public health and safety, including safe use of food and drugs and safe use of hazardous materials;
   c. The continuance of air traffic control and other transportation safety functions and the protection of transport property;
   d. Border and coastal protection and surveillance;
   e. Protection of Federal lands, buildings, waterways, equipment and other property owned by the United States;
   f. Care of prisoners and other persons in the custody of the United States;
   g. Law enforcement and criminal investigations;
   h. Emergency and disaster assistance;
   i. Activities essential to the preservation of the essential elements of the money and banking system of the United States, including borrowing and tax collection activities of the Treasury;

j. Activities that ensure production of power and maintenance of the power distribution system; and
k. Activities necessary to maintain protection of research property.

You should maintain the staff and support services necessary to continue these essential functions.

Effects on the Public
The effects of the two FY1996 shutdowns on government activities and the public received extensive attention. Although the effects on the public of any future shutdown would not necessarily reflect past experience, past events may be illustrative of effects that are possible. Several examples follow that were reported in congressional hearings, news media, and agency accounts.

• **Health.** New patients were not accepted into clinical research at the National Institutes of Health (NIH) clinical center; the Centers for Disease Control and Prevention ceased disease surveillance; hotline calls to NIH concerning diseases were not answered; and toxic waste clean-up work at 609 sites reportedly stopped and resulted in 2,400 Superfund workers being sent home.

• **Law Enforcement and Public Safety.** Delays occurred in the processing of alcohol, tobacco, firearms, and explosives applications by the Bureau of Alcohol, Tobacco, and Firearms; work on more than 3,500 bankruptcy cases reportedly was suspended; cancellation of the recruitment and testing of federal lawenforcement officials reportedly occurred, including the hiring of 400 border patrol agents; and delinquent child-support cases were delayed.

• **Parks, Museums, and Monuments.** Closure of 368 National Park Service sites (loss of 7 million visitors) reportedly occurred, with loss of tourism revenues to local communities; and closure of national museums and monuments (reportedly with an estimated loss of 2 million visitors) occurred.

• **Visas and Passports.** Approximately 20,000-30,000 applications by foreigners for visas reportedly went unprocessed each day; 200,000 U.S. applications for passports reportedly went unprocessed; and U.S. tourist industries and airlines reportedly sustained millions of dollars in losses.

• **American Veterans.** Multiple services were curtailed, ranging from health and welfare to finance and travel.

• **Federal Contractors.** Of $18 billion in Washington, DC, area contracts, $3.7 billion (over 20%) reportedly were affected adversely by the funding lapse; the National Institute of Standards and Technology (NIST) was unable to issue a new standard for lights and lamps that was scheduled to be effective January 1, 1996, possibly resulting in delayed product delivery and lost sales; and employees of federal contractors reportedly were furloughed without pay.

Effects on Mandatory Spending Programs

Programs that are funded by laws other than annual appropriations acts—for example, some entitlement programs—may, or may not, be affected by a funding gap. Specific circumstances appear to be significant. For example, although the funds needed to make payments to beneficiaries may be available automatically, pursuant to permanent appropriations, the payments may be processed by employees who are paid with funds provided in annual appropriations acts.

In such situations, the question arises whether a mandatory program can continue to function during a funding gap, if appropriations were not enacted to pay salaries of administering employees. According to the 1981 Civiletti opinion, at least some of these employees would not be subject to furlough, because authority to continue administration of a program could be inferred from Congress's direction that benefit payments continue to be made according to an entitlement formula. That is, obligating funds for the salaries of these personnel would be excepted from the Antideficiency Act's restrictions during a funding gap. However, such a determination would depend upon the absence of contrary legislative history in specific circumstances.

Nevertheless, the experience of the Social Security Administration (SSA) during the FY1996 shutdowns illustrates what might happen over a period of time in these situations. The lack of funds for some employees' salaries, for example, may impinge eventually on the processing and payment of new entitlement claims. SSA's administrative history describes how 4,780 employees were allowed to be retained during the initial stages of the first shutdown.

The majority of these employees were "in direct service positions to ensure the continuance of benefits to currently enrolled Social Security, SSI and Black Lung beneficiaries." Avoidance of furloughs was possible, because "appropriations were available to fund the program costs of paying benefits, [which] implied authority to incur obligations for the costs necessary to administer those benefits." SSA furloughed its remaining 61,415 employees.

Before long, however, SSA and OMB reconsidered. SSA had not retained staff to, among other things, respond to "telephone calls from customers needing a Social Security card to work or who needed to change the address where their check should be mailed for the following month." SSA then advised OMB that the agency would need to retain 49,715 additional employees for direct service work, including the processing of new claims for Social Security benefits.

Further adjustments were made during the considerably longer second shutdown, in response to increasing difficulties in administering the agency's entitlement programs.

From:	Giitter, Joseph
To:	Boger, Bruce
Subject:	FW: OBE SSE question (3).xlsx
Date:	Wednesday, March 16, 2011 4:00:07 PM
Attachments:	OBE SSE question (3).xlsx

Here it is.

From: Giitter, Joseph
Sent: Tuesday, March 15, 2011 6:45 PM
To: Kammerer, Annie
Subject: FW: OBE SSE question (3).xlsx

From: Giitter, Joseph
Sent: Tuesday, March 15, 2011 2:45 PM
To: Marshall, Michael; Rihm, Roger
Cc: Mahoney, Michael; Wilson, George
Subject: OBE SSE question (3).xlsx

We're running up some hard copies as well.

Nuclear Plant Name	Safe Shutdown Earthquake (SSE)	Operating Basis Earthquake (OBE)	Probable Maximum Tsunami OR Maximum Tsunami Water Level
By State/Location	Peak Acceleration, g[3]	Peak Acceleration, g[4]	
Alabama			
Browns Ferry	0.200	0.100	N/A (Non-Coastal)
Farley	0.100	0.050	N/A (Non-Coastal)
Arkansas			
Arkansas Nuclear	0.200		N/A (Non-Coastal)
Arizona			
Palo Verde	0.200	0.100	N/A (Non-Coastal)
California			
Diablo Canyon	0.400	0.200	The design basis maximum combined wave runup is the greater of that determined for near-shore or distantly-generated tsunamis, and results from near-shore tsunamis. For distantly-generated tsunamis, the combined runup is 30 feet For near-shore tsunamis, the combined wave runup is 34.6 feet, as determined by hydraulic model testing. The safety-related equipment is installed in watertight compartments to protect it from adverse sea wave events to elevation +48 feet above MLLW.
San Onofre	0.670	0.340	The controlling tsunami occurs during simultaneous high tide and storm surge produces a maximum runup to elevation +15.6 feet mean lower low water line (mllw) at the Unit 2 and 3 seawall. When storm waves are superimposed, the predicted maximum runup is to
Connecticut			
Millstone	0.170	0.090	18 ft SWL
Florida			
Crystal River	0.050	0.025	N/A (Non-Coastal)
St. Lucie	0.100	0.050	No maximum tsunami level, bounded by PMH surge of +18 MLW wave runup, with plant openings at +19.5 MLW
Turkey Point	0.150	0.050	No maximum tsunami level, bounded by PMH surge of +18.3 MLW water level, site protected to +20 MLW with vital equipment protected to +22 MLW
Georgia			
Hatch	0.150	0.080	N/A (Non-Coastal)
Vogtle	0.200	0.120	N/A (Non-Coastal)
Illinois			
Braidwood	0.200	0.090	N/A (Non-Coastal)
Byron	0.200	0.090	N/A (Non-Coastal)
Clinton	0.250	0.100	N/A (Non-Coastal)
Dresden	0.200	0.100	N/A (Non-Coastal)
LaSalle	0.200	0.100	N/A (Non-Coastal)
Quad Cities	0.240	0.120	N/A (Non-Coastal)
Iowa			
Duane Arnold	0.120	0.060	N/A (Non-Coastal)
Kansas			
Wolf Creek	0.120	0.060	N/A (Non-Coastal)
Louisiana			
River Bend	0.100	0.050	
Waterford	0.100		Floods – 30 feet MSL
Maryland			

Calvert Cliffs	0.150	0.080	14 ft design wave
Massachusetts			
Pilgrim	0.150	0.080	*Storm flooding design basis - 18.3ft
Michigan			
D.C. Cook	0.200	0.100	N/A
Fermi	0.150	0.080	N/A
Palisades	0.200	0.100	N/A
Missouri			
Callaway	0.200		N/A (Non-Coastal)
Mississippi			
Grand Gulf	0.150	0.075	N/A
Minnesota			
Monticello	0.120	0.060	N/A (Non-Coastal)
Prarie Island	0.120	0.060	N/A (Non-Coastal)
Nebraska			
Cooper	0.200	0.100	N/A (Non-Coastal)
Fort Calhoun	0.170	0.080	N/A (Non-Coastal)
New York			
Fitzpatrick	0.150	0.080	N/A (Non-Coastal)
Ginna	0.200	0.080	N/A
Indian Point	0.150	0.100	15 ft msl
Nine Mile Point, Unit 1	0.110	0.060	N/A
Nine Mile Point, Unit 2	0.150	0.075	N/A
New Hampshire			
Seabrook	0.250	0.125	(+) 15.6' MSL Still Water Level (Tsunami Flooding - Such activity is extremely rare on the U.S. Atlantic coast and would result in only minor wave action inside the harbor)
New Jersey			
Hope Creek	0.200	0.100	35.4 MSL The maximum probable tsunami produces relatively minor water level changes at the site. The maximum runup height reaches an elevation of 18 1 feet MSL with coincident 10 percent exceedance high tide)
Oyster Creek	0.184	0.092	(+) 23.5' MSL Still Water Level (Probable Maximum Tsunami - Tsunami events are not typical of the eastern coast of the United States and have not, therefore, been addressed.)
Salem	0.200	0.100	21 9 MSL (There is no evidence of surface rupture in East Coast earthquakes and no history of significant tsunami activity in the region)
North Carolina			
Brunswick	0.160	0.030	N/A
McGuire	0.150	0.080	N/A (Non-Coastal)
Shearon Harris	0.150		N/A (Non-Coastal)
Ohio			
Davis-Besse	0.150	0.080	N/A
Perry	0.150	0.080	N/A
Pennsylvania			
Beaver Valley	0.130	0.060	N/A (Non-Coastal)
Limerick	0.150	0.075	N/A (Non-Coastal)
Peach Bottom	0.120	0.050	N/A (Non-Coastal)
Three Mile Island	0.120	0.060	N/A (Non-Coastal)
Susquehanna	0.150	0.080	N/A (Non-Coastal)
South Carolina			
Catawba	0.150	0.080	N/A (Non-Coastal)
Oconee	0.150	0.050	N/A (Non-Coastal)
Robinson	0.200	0.100	N/A (Non-Coastal)
V.C. Summer	0.250	0.150	N/A (Non-Coastal)
Tennessee			
Sequoyah	0.180	0.090	N/A (Non-Coastal)
Watts Bar, Unit 1	0.180	0.090	N/A (Non-Coastal)

Texas			
Comanche Peak	0.120	0.060	N/A
South Texas Project	0.100	0.050	N/A
Vermont			
Vermont Yankee	0.140	0.070	N/A
Virginia			
North Anna	0.180		N/A
Surry	0.150	0.080	N/A
Washington			
Columbia	0.250		N/A (Non-Coastal)
Wisconsin			
Kawaunee	0.120	0.060	N/A
Point Beach	0.120		N/A

Definition of Safe Shutdown Earthquake

The safe-shutdown earthquake (SSE) for the site is the ground motion response spectra (GMRS), which also satisfies the minimum requirement of paragraph IV(a)(1)(i) of Appendix S, "Earthquake Engineering Criteria for Nuclear Power Plants," to Title 10, Part 50, "Domestic Licensing of Production and Utilization Facilities," of the Code of Federal Regulations (10 CFR Part 50).

Definition of Operating Basis Earthquake:

To satisfy the requirements of paragraph IV(a)(2)(A) of Appendix S to 10 CFR Part 50, the operating-basis earthquake (OBE) ground motion is defined as follows:

(i) For the certified design portion of the plant, the OBE ground motion is one-third of the CSDRS.

(ii) For the safety-related noncertified design portion of the plant, the OBE ground motion is one-third of the design motion response spectra, as stipulated in the design certification conditions specified in design control document (DCD).

(iii) The spectrum ordinate criterion to be used in conjunction with Regulatory Guide 1.166, "Pre-Earthquake Planning and Immediate Nuclear Power Plant Operator Postearthquake Actions," issued March 1997, is the lowest of (i) and (ii)

From: (b)(6)
To: Grobe, Jack
Subject: (b)(6)
Date: Wednesday, March 16, 2011 4:01:38 PM

(b)(6)

(b)(6)

From:	Laur, Steven
To:	Nguyen, Quynh
Cc:	Grobe, Jack; Cheok, Michael
Subject:	ICAPP 11325 presentation.pptx
Date:	Wednesday, March 16, 2011 4:03:37 PM
Attachments:	ICAPP 11325 presentation.pptx

Quynh:

Here is my draft presentation for Jack's use in presenting the paper in Nice, France. Please let me know of any changes or direction you receive so I can make the necessary changes.

Steven A. Laur
NRR Division of Risk Assessment
OWFN 10-C15
(301) 415-2889
steven.laur@nrc.gov

(b)(5)

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From: Coe, Doug
To: Lubinski, John
Subject: Out of Office: PMT Director Deputy - Rev 1
Date: Wednesday, March 16, 2011 4:04:58 PM

I am currently out of the office and will return on Monday March 21.

In my absence, the acting RES/DRA Director is Kevin Coyne who can be reached at 301-251-7586.

If you need immediate assistance, please call 301-251-7430.

Thank you,
Doug Coe
Deputy Director
Division of Risk Analysis
Office of Nuclear Regulatory Research

From:	Meighan, Sean
To:	Boger, Bruce; Giitter, Joseph; Howe, Allen; Nelson, Robert; Nguyen, Quynh
Subject:	RE: Matrix
Date:	Wednesday, March 16, 2011 4:05:11 PM
Attachments:	SSE Exceed and SCDF.XLSX OBE SSE question FINAL.xlsx

Bruce:

I think you are referring to one of the two attached documents.

Very Respectfully
Sean

-----Original Message-----
From: Boger, Bruce
Sent: Wednesday, March 16, 2011 3:59 PM
To: Giitter, Joseph; Howe, Allen; Nelson, Robert; Nguyen, Quynh; Meighan, Sean
Subject: Matrix

Could someone send me the matrix developed yesterday with external hazard information for all the plants? Thanks.

SEISMIC INFORMATION: SSE, SSE EXCEEDANCE FREQUENCIES, REVIEW-LEVEL E/

Plant	Docket	SSE (g's)	Frequency of Exceeding the SSE (per year)	RLE (HCLPF) (g's)
Arkansas 1	05000313	0.2	2.8E-04	0.3
Arkansas 2	05000368	0.2	9.7E-05	0.3
Beaver Valley 1	05000334	0.12	3.3E-04	n/a
Beaver Valley 2	05000412	0.12	2.7E-04	n/a
Braidwood 1	05000456	0.2	6.7E-05	0.3
Braidwood 2	05000457	0.2	6.7E-05	0.3
Browns Ferry 1	05000259	0.2	2.5E-04	0.3
Browns Ferry 2	05000260	0.2	2.5E-04	0.26
Browns Ferry 3	05000296	0.2	2.5E-04	0.26
Brunswick 1	05000325	0.16	7.3E-04	0.3
Brunswick 2	05000324	0.16	7.3E-04	0.3
Byron 1	05000454	0.2	5.2E-05	0.3
Byron 2	05000455	0.2	5.2E-05	0.3
Callaway	05000483	0.2	3.8E-05	0.3
Calvert Cliffs 1	05000317	0.15	1.9E-04	n/a
Calvert Cliffs 2	05000318	0.15	1.9E-04	n/a
Catawba 1	05000413	0.15	1.4E-04	n/a
Catawba 2	05000414	0.15	1.4E-04	n/a
Clinton	05000461	0.25	5.8E-05	0.3
Columbia	05000397	0.25	1.7E-04	n/a
Comanche Peak 1	05000445	0.12	1.6E-05	0.12
Comanche Peak 2	05000446	0.12	1.6E-05	0.12
Cooper	05000298	0.2	1.5E-04	0.3
Crystal River 3	05000302	0.1	8.9E-05	0.1
D.C. Cook 1	05000315	0.2	2.1E-04	n/a
D.C. Cook 2	05000316	0.2	2.1E-04	n/a
Davis Besse	05000346	0.15	6.3E-05	0.26
Diablo Canyon 1	05000275	0.75	3.9E-03	n/a
Diablo Canyon 2	05000323	0.75	3.9E-03	n/a
Dresden 2	05000237	0.2	9.7E-05	0.26
Dresden 3	05000249	0.2	9.7E-05	0.26
Duane Arnold	05000331	0.12	2.3E-04	0.12
Farley 1	05000348	0.1	1.0E-04	0.1
Farley 2	05000364	0.1	1.0E-04	0.1
Fermi 2	05000341	0.15	1.0E-04	0.3
Fitzpatrick	05000333	0.15	3.2E-04	0.22
Fort Calhoun 1	05000285	0.17	3.7E-04	0.25
Ginna	05000244	0.2	1.0E-04	0.2
Grand Gulf	05000416	0.15	1.0E-04	0.15
Hatch 1	05000400	0.148	3.9E-04	0.29
Hatch 2	05000321	0.15	2.7E-04	0.3
Hope Creek	05000366	0.2	9.7E-05	0.3
Indian Point 2	05000354	0.15	4.9E-04	n/a
Indian Point 3	05000247	0.15	4.9E-04	n/a
Kewaunee	05000286	0.12	2.8E-04	n/a
LaSalle 1	05000305	0.2	1.7E-04	n/a
LaSalle 2	05000373	0.2	1.7E-04	n/a
Limerick 1	05000374	0.15	1.8E-04	n/a
Limerick 2	05000352	0.15	1.8E-04	0.15
McGuire 1	05000353	0.15	9.5E-05	0.15

McGuire 2	05000369	0.15	9.5E-05	n/a
Millstone 1	05000370	0.254	9.3E-05	n/a
Millstone 2	05000336	0.17	8.3E-05	0.25
Millstone 3	05000423	0.17	8.3E-05	n/a
Monticello	05000263	0.12	9.3E-05	0.12
Nine Mile Point 1	05000220	0.11	1.5E-04	0.27
Nine Mile Point 2	05000410	0.15	4.8E-05	0.23
North Anna 1	05000338	0.12	2.1E-04	0.16
North Anna 2	05000339	0.12	2.1E-04	0.16
Oconee 1	05000269	0.1	9.7E-04	n/a
Oconee 2	05000270	0.1	9.7E-04	n/a
Oconee 3	05000287	0.1	9.7E-04	n/a
Oyster Creek	05000219	0.17	1.5E-04	n/a
Palisades	05000255	0.2	1.4E-04	n/a
Palo Verde 1	05000528	0.258	3.5E-05	0.3
Palo Verde 2	05000529	0.258	3.5E-05	0.3
Palo Verde 3	05000530	0.258	3.5E-05	0.3
Peach Bottom 2	05000277	0.12	2.0E-04	0.2
Peach Bottom 3	05000278	0.12	2.0E-04	0.2
Perry	05000440	0.15	2.2E-04	0.3
Pilgrim 1	05000293	0.15	8.1E-04	n/a
Point Beach 1	05000266	0.12	2.0E-04	n/a
Point Beach 2	05000301	0.12	2.0E-04	n/a
Prairie Island 1	05000282	0.12	2.0E-04	0.28
Prairie Island 2	05000306	0.12	2.0E-04	0.28
Quad Cities 1	05000254	0.24	8.2E-04	0.09
Quad Cities 2	05000265	0.24	8.2E-04	0.09
River Bend	05000458	0.1	2.4E-04	0.1
Robinson (HR)	05000261	0.2	1.1E-03	0.28
Saint Lucie	05000335	0.1	1.4E-04	0.1
Salem 1	05000389	0.2	2.6E-04	0.1
Salem 2	05000272	0.2	2.6E-04	n/a
San Onofre 2	05000361	0.67	1.2E-04	n/a
San Onofre 3	05000362	0.67	1.2E-04	n/a
Seabrook	05000311	0.25	1.3E-04	n/a
Sequoyah 1	05000443	0.18	7.1E-04	n/a
Sequoyah 2	05000327	0.18	7.1E-04	0.27
Shearon Harris 1	05000328	0.15	4.6E-05	0.27
South Texas 1	05000498	0.1	3.0E-05	n/a
South Texas 2	05000499	0.1	3.0E-05	n/a
Summer	05000395	0.15	3.9E-04	0.22
Surry 1	05000280	0.15	2.2E-04	n/a
Surry 2	05000281	0.15	2.2E-04	n/a
Susquehanna 1	05000387	0.1	1.9E-04	0.21
Susquehanna 2	05000388	0.1	1.9E-04	0.21
Three Mile Island 1	05000289	0.12	1.0E-04	n/a
Turkey Point 3	05000250	0.15	3.8E-05	0.15
Turkey Point 4	05000251	0.15	3.8E-05	0.15
Vermont Yankee	05000271	0.14	1.2E-04	0.25
Vogtle 1	05000424	0.2	1.5E-04	0.3
Vogtle 2	05000425	0.2	1.5E-04	0.3
Waterford 3	05000382	0.1	1.1E-04	0.1
Watts Bar	05000390	0.18	2.9E-04	0.3
Wolf Creek	05000482	0.12	3.7E-05	0.2

25th percentile	9.6E-05
min	1.6E-05
median	1.7E-04
mean	3.1E-04
max	3.9E-03
75th percentile	2.6E-04

ARTHQUAKES, ANDSEISMIC CORE-DAMAGE FREQUENCIES

Seismic Core Damage Frequency (per year)	IPEEE Method	Source
4.1E-06	0.3g full-scope EPRI SMA	GI-199
4.1E-06	0.3g focused-scope EPRI SMA	GI-199
4.8E-05	seismic PRA	GI-199
2.2E-05	seismic PRA	GI-199
7.3E-06	0.3g focused-scope EPRI SMA	GI-199
7.3E-06	0.3g focused-scope EPRI SMA	GI-199
3.7E-06	0.3g focused-scope EPRI SMA	GI-199
5.4E-06	0.3g focused-scope EPRI SMA	GI-199
5.4E-06	0.3g focused-scope EPRI SMA	GI-199
1.5E-05	0.3g focused-scope EPRI SMA	GI-199
1.5E-05	0.3g focused-scope EPRI SMA	GI-199
5.8E-06	0.3g focused-scope EPRI SMA	GI-199
5.8E-06	0.3g focused-scope EPRI SMA	GI-199
2.0E-06	0.3g focused-scope EPRI SMA	GI-199
1.0E-05	seismic PRA	GI-199
1.2E-05	seismic PRA	GI-199
3.7E-05	seismic PRA	GI-199
3.7E-05	seismic PRA	GI-199
2.5E-06	0.3g focused-scope EPRI SMA	GI-199
2.1E-05	seismic PRA	IPEEE
4.0E-06	reduced-scope EPRI SMA; SSE = 0.12g	GI-199
4.0E-06	reduced-scope EPRI SMA; SSE = 0.12g	GI-199
7.0E-06	0.3g focused-scope EPRI SMA	GI-199
2.2E-05	reduced-scope EPRI SMA; SSE = 0.1g	GI-199
2.2E-05	seismic PRA	GI-199
2.2E-05	seismic PRA	GI-199
6.7E-06	reduced-scope EPRI SMA	GI-199
4.2E-05	seismic PRA	IPEEE
4.2E-05	seismic PRA	IPEEE
1.9E-05	0.3g focused-scope EPRI SMA	GI-199
1.9E-05	0.3g focused-scope EPRI SMA	GI-199
3.2E-05	reduced-scope EPRI SMA; SSE = 0.12g	GI-199
2.8E-05	reduced-scope EPRI SMA; SSE = 0.1g	GI-199
2.8E-05	reduced-scope EPRI SMA; SSE = 0.1g	GI-199
4.2E-06	0.3g focused-scope EPRI SMA	GI-199
6.1E-06	0.3g focused-scope NRC SMA	GI-199
5.4E-06	0.3g focused-scope NRC SMA	GI-199
1.3E-05	0.3g focused-scope EPRI SMA	GI-199
1.2E-05	reduced-scope EPRI SMA; SSE = 0.15g	GI-199
2.3E-06	0.3g focused-scope EPRI SMA	GI-199
2.5E-06	0.3g focused-scope EPRI SMA	GI-199
2.5E-06	0.3g focused-scope EPRI SMA	GI-199
2.8E-06	seismic PRA	GI-199
3.3E-05	seismic PRA	GI-199
1.0E-04	seismic PRA	GI-199
5.1E-06	seismic PRA	GI-199
2.8E-06	seismic PRA	GI-199
2.8E-06	seismic PRA	GI-199
5.3E-05	reduced-scope EPRI SMA	GI-199
5.3E-05	reduced-scope EPRI SMA	GI-199

3.1E-05	seismic PRA	GI-199
3.1E-05	seismic PRA	GI-199
1.1E-05	0.3g focused-scope EPRI SMA	GI-199
1.5E-05	seismic PRA	GI-199
1.9E-05	modified focused/expended reduced-scope EPRI SM	GI-199
4.2E-06	0.3g focused-scope EPRI SMA	GI-199
5.6E-06	SPRA and focused-scope EPRI SMA	GI-199
4.4E-05	0.3g focused-scope EPRI SMA	GI-199
4.4E-05	0.3g focused-scope EPRI SMA	GI-199
4.3E-05	seismic PRA	GI-199
4.3E-05	seismic PRA	GI-199
4.3E-05	seismic PRA	GI-199
1.4E-05	seismic PRA	GI-199
6.4E-06	seismic PRA	GI-199
3.8E-05	0.3g full-scope EPRI SMA	IPEEE
3.8E-05	0.3g full-scope EPRI SMA	IPEEE
3.8E-05	0.3g full-scope EPRI SMA	IPEEE
2.4E-05	modified focused-scope EPRI SMA	GI-199
2.4E-05	modified focused-scope EPRI SMA	GI-199
2.1E-05	0.3g focused-scope EPRI SMA	GI-199
6.9E-05	seismic PRA	GI-199
1.1E-05	seismic PRA	GI-199
1.1E-05	seismic PRA	GI-199
3.0E-06	0.3g focused-scope EPRI SMA	GI-199
3.0E-06	0.3g focused-scope EPRI SMA	GI-199
2.7E-05	0.3g focused-scope EPRI SMA	GI-199
2.7E-05	0.3g focused-scope EPRI SMA	GI-199
2.5E-05	reduced-scope EPRI SMA; SSE = 0.1g	GI-199
1.5E-05	0.3g full-scope EPRI SMA	GI-199
4.6E-05	reduced-scope EPRI SMA; SSE = 0.1g	GI-199
4.6E-05	reduced-scope EPRI SMA; SSE = 0.1g	GI-199
9.3E-06	seismic PRA	GI-199
1.7E-05	seismic PRA	IPEEE
1.7E-05	seismic PRA	IPEEE
9.3E-06	seismic PRA	GI-199
2.2E-05	seismic PRA	GI-199
5.1E-05	0.3g full-scope EPRI SMA	GI-199
5.1E-05	0.3g full-scope EPRI SMA	GI-199
6.2E-06	seismic PRA	GI-199
6.2E-06	seismic PRA	GI-199
3.8E-05	0.3g focused-scope EPRI SMA	GI-199
5.7E-06	seismic PRA	GI-199
5.7E-06	seismic PRA	GI-199
1.3E-05	0.3g focused-scope EPRI SMA	GI-199
1.3E-05	0.3g focused-scope EPRI SMA	GI-199
4.0E-05	seismic PRA	GI-199
1.0E-05	site-specific approach; SSE=0.15g	GI-199
1.0E-05	site-specific approach; SSE=0.15g	GI-199
8.1E-06	0.3g focused-scope EPRI SMA	GI-199
1.8E-05	0.3g focused-scope EPRI SMA	GI-199
1.8E-05	0.3g focused-scope EPRI SMA	GI-199
2.0E-05	reduced-scope EPRI SMA; SSE = 0.1g	GI-199
3.6E-05	0.3g focused-scope EPRI SMA	GI-199
1.8E-05	reduced-scope EPRI SMA	GI-199

6.0E-06
2.0E-06
1.5E-05
2.1E-05
1.0E-04
3.2E-05

Nuclear Plant Name	Safe Shutdown Earthquake (SSE)	Operating Basis Earthquake (OBE)	Probable Maximum Tsunami OR Maximum Tsunami Water Level
By State/Location	Peak Acceleration, g	Peak Acceleration, g	
Alabama			
Browns Ferry	0.200	0.100	N/A (Non-Coastal)
Farley	0.100	0.050	N/A (Non-Coastal)
Arkansas			
Arkansas Nuclear	0.200		N/A (Non-Coastal)
Arizona			
Palo Verde	0.200	0.100	N/A (Non-Coastal)
California			
Diablo Canyon	0.400	0.200	The design basis maximum combined wave runup is the greater of that determined for near-shore or distantly-generated tsunamis, and results from near-shore tsunamis. For distantly-generated tsunamis, the combined runup is 30 feet For near-shore tsunamis, the combined wave runup is 34.6 feet, as determined by hydraulic model testing. The safety-related equipment is installed in watertight compartments to protect it from adverse sea wave events to elevation +48 feet above MLLW.
San Onofre	0.670	0.340	The controlling tsunami occurs during simultaneous high tide and storm surge produces a maximum runup to elevation +15.6 feet mean lower low water line (mllw) at the Unit 2 and 3 seawall. When storm waves are superimposed, the predicted maximum runup is to
Connecticut			
Millstone	0.170	0.090	18 ft SWL
Florida			
Crystal River	0.050	0.025	N/A (Non-Coastal)
St. Lucie	0.100	0.050	No maximum tsunami level, bounded by PMH surge of +18 MLW wave runup, with plant openings at +19.5 MLW
Turkey Point	0.150	0.050	No maximum tsunami level, bounded by PMH surge of +18 3 MLW water level, site protected to +20 MLW with vital equipment protected to +22 MLW
Georgia			
Hatch	0.150	0.080	N/A (Non-Coastal)
Vogtle	0.200	0.120	N/A (Non-Coastal)
Illinois			
Braidwood	0.200	0.090	N/A (Non-Coastal)
Byron	0 200	0.090	N/A (Non-Coastal)
Clinton	0 250	0.100	N/A (Non-Coastal)
Dresden	0.200	0.100	N/A (Non-Coastal)
LaSalle	0.200	0.100	N/A (Non-Coastal)
Quad Cities	0.240	0.120	N/A (Non-Coastal)
Iowa			
Duane Arnold	0.120	0.060	N/A (Non-Coastal)
Kansas			
Wolf Creek	0 120	0 060	N/A (Non-Coastal)
Louisiana			
River Bend	0.100	0.050	
Waterford	0 100		Floods - 30 feet MSL
Maryland			

Calvert Cliffs	0.150	0.080	14 ft design wave
Massachusetts			
Pilgrim	0.150	0.080	*Storm flooding design basis - 18.3ft
Michigan			
D.C. Cook	0.200	0.100	N/A
Fermi	0.150	0.080	N/A
Palisades	0.200	0.100	N/A
Missouri			
Callaway	0.200		N/A (Non-Coastal)
Mississippi			
Grand Gulf	0.150	0.075	N/A
Minnesota			
Monticello	0.120	0.060	N/A (Non-Coastal)
Prarie Island	0.120	0.060	N/A (Non-Coastal)
Nebraska			
Cooper	0.200	0.100	N/A (Non-Coastal)
Fort Calhoun	0.170	0.080	N/A (Non-Coastal)
New York			
Fitzpatrick	0.150	0.080	N/A (Non-Coastal)
Ginna	0.200	0.080	N/A
Indian Point	0.150	0.100	15 ft msl
Nine Mile Point, Unit 1	0.110	0.060	N/A
Nine Mile Point, Unit 2	0.150	0.075	N/A
New Hampshire			
Seabrook	0.250	0.125	(+) 15.6' MSL Still Water Level (Tsunami Flooding - Such activity is extremely rare on the U.S. Atlantic coast and would result in only minor wave action inside the harbor.)
New Jersey			
Hope Creek	0.200	0.100	35.4 MSL The maximum probable tsunami produces relatively minor water level changes at the site. The maximum runup height reaches an elevation of 18.1 feet MSL with coincident 10 percent exceedance high tide)
Oyster Creek	0.184	0.092	(+) 23.5' MSL Still Water Level (Probable Maximum Tsunami - Tsunami events are not typical of the eastern coast of the United States and have not, therefore, been addressed.)
Salem	0.200	0.100	21.9 MSL (There is no evidence of surface rupture in East Coast earthquakes and no history of significant tsunami activity in the region)
North Carolina			
Brunswick	0.160	0.030	N/A
McGuire	0.150	0.080	N/A (Non-Coastal)
Shearon Harris	0.150		N/A (Non-Coastal)
Ohio			
Davis-Besse	0.150	0.080	N/A
Perry	0.150	0.080	N/A
Pennsylvania			
Beaver Valley	0.130	0.060	N/A (Non-Coastal)
Limerick	0.150	0.075	N/A (Non-Coastal)
Peach Bottom	0.120	0.050	N/A (Non-Coastal)
Three Mile Island	0.120	0.060	N/A (Non-Coastal)
Susquehanna	0.150	0.080	N/A (Non-Coastal)
South Carolina			
Catawba	0.150	0.080	N/A (Non-Coastal)
Oconee	0.150	0.050	N/A (Non-Coastal)
Robinson	0.200	0.100	N/A (Non-Coastal)
V.C. Summer	0.250	0.150	N/A (Non-Coastal)
Tennessee			
Sequoyah	0.180	0.090	N/A (Non-Coastal)
Watts Bar, Unit 1	0.180	0.090	N/A (Non-Coastal)

Texas			
Comanche Peak	0.120	0.060	N/A
South Texas Project	0.100	0.050	N/A
Vermont			
Vermont Yankee	0.140	0.070	N/A
Virginia			
North Anna	0.180		N/A
Surry	0.150	0.080	N/A
Washington			
Columbia	0.250		N/A (Non-Coastal)
Wisconsin			
Kawaunee	0.120	0.060	N/A
Point Beach	0.120		N/A

Definition of Safe Shutdown Earthquake

The safe-shutdown earthquake (SSE) for the site is the ground motion response spectra (GMRS), which also satisfies the minimum requirement of paragraph IV(a)(1)(i) of Appendix S, "Earthquake Engineering Criteria for Nuclear Power Plants," to Title 10, Part 50, "Domestic Licensing of Production and Utilization Facilities," of the Code of Federal Regulations (10 CFR Part 50).

Definition of Operating Basis Earthquake:

To satisfy the requirements of paragraph IV(a)(2)(A) of Appendix S to 10 CFR Part 50, the operating-basis earthquake (OBE) ground motion is defined as follows:

(i) For the certified design portion of the plant, the OBE ground motion is one-third of the Certified Design Response Spectra (CSDRS).
(ii) For the safety-related noncertified design portion of the plant, the OBE ground motion is one-third of the design motion response spectra, as stipulated in the design certification conditions specified in design control document (DCD).
(iii) The spectrum ordinate criterion to be used in conjunction with Regulatory Guide 1.166, "Pre-Earthquake Planning and Immediate Nuclear Power Plant Operator Postearthquake Actions," issued March 1997, is the lowest of (i) and (ii).

From: (b)(6)
To: Golla, Joe
Subject: (b)(6)
Date: Wednesday, March 16, 2011 4:06:09 PM

(b)(6)

(b)(6)

From: Gnugnoli, Giorgio
To: Haney, Catherine; Smith, Shawn; Camper, Larry; Doane, Margaret; Moore, Scott
Cc: Abu-Eid, Boby; George, Mathews
Subject: FW: Jack Davis NRC candidate for rapporteur
Date: Wednesday, March 16, 2011 4:10:09 PM

(b)(5)

-----Original Message-----
From: Gorn, Janet M [mailto:GornJM@state.gov]
Sent: Wednesday, March 16, 2011 4:04 PM
To: Tonkay, Douglas; Gnugnoli, Giorgio
Subject: RE: Jack Davis NRC candidate for rapporteur

(b)(5)

This email is UNCLASSIFIED

-----Original Message-----
From: Tonkay, Douglas [mailto:Douglas.Tonkay@em.doe.gov]
Sent: Wednesday, March 16, 2011 3:20 PM
To: 'Gnugnoli, Giorgio'
Cc: Gorn, Janet M
Subject: RE: Jack Davis NRC candidate for rapporteur

(b)(5)

-----Original Message-----
From: Gnugnoli, Giorgio [mailto:Giorgio.Gnugnoli@nrc.gov]
Sent: Wednesday, March 16, 2011 3:08 PM
To: McRae, Ben; Haney, Catherine; Moore, Scott; Camper, Larry; Mary Clark (clark.marye@epa.gov); Marcinowski, Frank; Janet M Gorn (GornJM@state.gov); Jones, Jay; 'schultheisz.daniel@epa.gov'; Doane, Margaret
Cc: Tonkay, Douglas; Smith, Shawn; Gelles, Christine; George, Mathews
Subject: Jack Davis NRC candidate for rapporteur

I have been in contact with Shawn Smith (NRC/NMSS), who has asked me to pulse the ESC membership regarding Jack Davis, Deputy Director of the Division of High Level Waste Repository Safety, who is currently a candidate for the position of rapporteur for one of the Country Groups. The question is whether there would be any problem if Jack Davis did not physically attend the Organizational Meeting; he is still a candidate as discussed in the strategy from the last ESC meeting.

If the ESC sees that there would be value to his physical attendance,

NMSS would not have a problem in his attendance.

Please let me know at your earliest convenience, as this would affect our travel and accommodation logistics.

Thank you.

Giorgio Gnugnoli
Division of Waste Management and Environmental Protection U.S. Nuclear Regulatory Commission Mail Stop T 8 F 5 Tel 301-415-7432 Fax 301-415-5369

New-NRC-logo3

From: governmentCIO
To: Boger, Bruce
Subject: Cloud Computing Training Courses
Date: Wednesday, March 16, 2011 4:10:52 PM

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Arlington, VA April 6, 2011 Register

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Arlington, VA April 7, 2011 Register

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United States

You are subscribed to this mailing list as bruce.boger@nrc.gov. Please click here to modify your message preferences or to unsubscribe from any future mailings. We will respect all unsubscribe requests.

Owen, Lucy

From: Notification [Notification@cwtsatotravel.com]
Sent: Wednesday, March 16, 2011 4:12 PM
To: Owen, Lucy; [redacted] (b)(6); Collins, Elmo
Subject: G1M3- Ticketed Invoice For ELMO ELBERT COLLINS 21MAR11..
Attachments: CXMKMT.pdf

<<CXMKMT.pdf>>

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Did you know we can also book your hotels and rental cars?

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March 16, 2011

For: ELMO ELBERT COLLINS

Sales Person: ZD
Locator: CXMKMT
Customer Number: M403PPE

*TICKET PURCHASED WITH VI.....1281
THIS DOCUMENT BECOMES AN INVOICE WHEN THE PASSENGER
*NAME/INVOICE AND TICKET NUMBERS APPEAR
*IN THE PRICING BOX.
****
FEES TOTALING 6.49PP CHARGED IN ADDITION TO TKT PRICE
FEE-USD6.49PP-AIR/AMTRAK DOMESTIC, ONLINE

Monday March 21, 2011

American Airlines — Flight Number: 2096
Class of Service: Coach Class G
Depart: DALLAS/F.WORTH,TX — 12:10 Pm March 21, 2011
Arrive: BALTIMORE, MD — 3:55 Pm March 21, 2011
Total Flight Time: — 2 Hours 45 Minutes Non-Stop
Equipment: McDonnell Douglas MD-80
Meal Service: Available For Purchase
Status: Confirmed — Confirmation Number: CXMKMT
Reserved Seat: COLLINS/ELMO ELBERT 20F
Frequent Flyer Number: (b)(6) COLLINS/ELMO ELBERT
ONEWORLD

Monday March 21, 2011

HERTZ — SubCompact
Pick Up: March 21, 2011 4:00 Pm — Location: BALTIMORE, MD
BALTIMORE, MD
410-684-7900
Return: March 24, 2011 9:00 Am
Daily Rate: 26.00 USD Extra Hours: 13.00
Unlimited Free Miles
Approximate Total: 135.19 3Days 0Hours 57.19Mandatory Charge
Confirmation Number: F0361067666

Thursday March 24, 2011

American Airlines — Flight Number: 465
Class of Service: Coach Class G
Depart: BALTIMORE, MD — 9:10 Am March 24, 2011
Arrive: DALLAS/F.WORTH,TX — 11:40 Am March 24, 2011
Total Flight Time: — 3 Hours 30 Minutes Non-Stop
Equipment: McDonnell Douglas MD-80
Meal Service: Available For Purchase
Status: Confirmed — Confirmation Number: CXMKMT
Reserved Seat: COLLINS/ELMO ELBERT 20F
Frequent Flyer Number: (b)(6) COLLINS/ELMO ELBERT
ONEWORLD

Tuesday September 20, 2011

Other Service
Sep 20, 2011 - Sep 20, 2011
Departure City: BALTIMORE, MD
THANK YOU FOR USING CWT SATOTRAVEL

Name	Invoice / Ticket / Date	Base	Tax1	Tax2	Tax3	Total
COLLINS ELMO ELBERT	137501/0017960743997/16MAR1 1	355.34	26.66US	7.40ZP	14.00XT	403.40
					Trip Fee	6.49
FOP VIxxxxxxxxxxxx1281						
					Total Amount:	**409.89**

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PLEASE NOTE OUR PHONE NUMBERS FOR YOUR ACCOUNT
CWTSATOTRAVEL PHONE RESERVATION 866-250-2160
CWTSATOTRAVEL AFTER HOURS EMERGENCY 866-250-2160
CWTSATOTRAVEL FAX TO SEND TRAVEL ORDERS IS 866-845-9031
OR EMAIL YOUR ORDERS TO NRC AT CWTSATOTRAVEL.COM
.....
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WWW.TSA.GOV
.....

Owen, Lucy

From: McCree, Victor
Sent: Wednesday, March 16, 2011 4:14 PM
To: Pederson, Cynthia; Tallarico, Alison; Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; Miller, Charles; Moore, Scott; Muessle, Mary; Satorius, Mark
Subject: RE: Action: ERB Items for Review

(b)(5)

From: Pederson, Cynthia
Sent: Wednesday, March 16, 2011 4:47 PM
To: Tallarico, Alison; Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Satorius, Mark
Subject: Re: Action: ERB Items for Review

(b)(5)
(sent from Blackberry device)

From: Tallarico, Alison
To: Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Pederson, Cynthia; Satorius, Mark; Schaeffer, James; Sheron, Brian; Tallarico, Alison; Tracy, Glenn; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wert, Leonard; Wiggins, Jim
Sent: Wed Mar 16 16:28:20 2011
Subject: Action: ERB Items for Review

~~**For your eyes only**~~

TO ERB Members

We are sharing the following items for ERB review and information because the ERB is not scheduled to meet this week:

(b)(5),(b)(6)

(b)(5),(b)(6)

Thanks
Alison Tallarico (for Johanna Gallagher)
301-492-2326

From:	Bajwa, Chris
To:	Haney, Catherine
Cc:	García-Santos, Norma; Rahimi, Meraj; White, Bernard; Ordaz, Vonna
Subject:	RE: Planning for upcoming, short notice Commission meeting
Date:	Wednesday, March 16, 2011 4:12:34 PM

I spoke to Allen and will be providing some information regarding the licensing of dry casks as well as some background for the briefer (most likely Marty Virgillio). The briefing will most likely be Monday.

Chris

From: Haney, Catherine
Sent: Wednesday, March 16, 2011 3:11 PM
To: Bajwa, Chris
Subject: FW: Planning for upcoming, short notice Commission meeting

Can you work with SFST staff to get this information to Allen?

From: Leeds, Eric
Sent: Wednesday, March 16, 2011 2:29 PM
To: Haney, Catherine
Cc: Ruland, William; Ordaz, Vonna; Howe, Allen
Subject: RE: Planning for upcoming, short notice Commission meeting

Thanks, Cathy. With the issues on Spent fuel pools, we should address the issue with the Commission – as well as the potential for dry cask storage. I know we did a bunch of work on airplanes hitting casks for the Goshute Indian facility – and the potential impact. Can we get that info?

Eric J. Leeds, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
301-415-1270

From: Haney, Catherine
Sent: Wednesday, March 16, 2011 2:06 PM
To: Ruland, William; Williams, Donna; Uhle, Jennifer; Sheron, Brian; Moore, Scott; Miller, Charles; Brenner, Eliot; Dorman, Dan; Wiggins, Jim; Evans, Michele; Doane, Margaret; Mamish, Nader
Cc: Johnson, Michael; Holahan, Gary; Leeds, Eric; Grobe, Jack; Howe, Allen; Bajwa, Chris
Subject: RE: Planning for upcoming, short notice Commission meeting

NMSS POC is Chris Bajwa, SFST

From: Ruland, William
Sent: Wednesday, March 16, 2011 1:19 PM
To: Williams, Donna; Uhle, Jennifer; Sheron, Brian; Moore, Scott; Miller, Charles; Brenner, Eliot; Haney, Catherine; Dorman, Dan; Wiggins, Jim; Evans, Michele; Doane, Margaret; Mamish, Nader
Cc: Johnson, Michael; Holahan, Gary; Leeds, Eric; Grobe, Jack; Howe, Allen
Subject: Planning for upcoming, short notice Commission meeting

Folks,

Attached find a early draft of a scheduling note for a Commission meeting that may be held as early as this coming Monday, March 21st. NRR has been assigned as the lead to pull the meeting together. As you could imagine, this will take some effort. To help with coordination, please provide me a contact so that we can draw on your expertise and help to make this happen. Alan Howe, currently deputy director of DORL, has the lead to pull this together.

I know you have many questions. I'd ask for your patience as we try to get this done. I'll keep you updated through the contact that you provide to us.

Thank you very much.

Bill Ruland

Owen, Lucy

From: Evans, Michele
Sent: Wednesday, March 16, 2011 4:19 PM
To: Tallarico, Alison; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Pederson, Cynthia; Satorius, Mark; Schaeffer, James; Sheron, Brian; Tracy, Glenn; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wert, Leonard; Wiggins, Jim
Subject: RE: Action: ERB Items for Review

(b)(5)

From: Tallarico, Alison
Sent: Wednesday, March 16, 2011 4:28 PM
To: Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Pederson, Cynthia; Satorius, Mark; Schaeffer, James; Sheron, Brian; Tallarico, Alison; Tracy, Glenn; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wert, Leonard; Wiggins, Jim
Subject: Action: ERB Items for Review

****For your eyes only****

TO ERB Members

We are sharing the following items for ERB review and information because the ERB is not scheduled to meet this week:

(b)(5),(b)(6)

(b)(5),(b)(6)

Thanks
Alison Tallarico (for Johanna Gallagher)
301-492-2326

From:	Brown, Frederick
To:	Elliott, Robert; Franovich, Rani; Kobetz, Timothy; McHale, John; Shoop, Undine; Thorp, John
Cc:	Cheok, Michael; Westreich, Barry; Cartwright, William; Ashley, MaryAnn; Fields, Leslie
Subject:	Action: Admin Assistant feedback
Date:	Wednesday, March 16, 2011 4:19:36 PM
Attachments:	AASummResponsesFinal (3).docx

Please see the attached, particularly item 4.

With fewer AAs, it is even more critical that our technical staff understand the importance of providing timely and high quality products (whether draft papers, T&A, or whatever) to the administrative staff.

Please continue your efforts to hold your staffs accountable to this expectation.

Thanks,
Fred

Actions Responsive to Feedback from NRR Administrative Assistants

In November, a focus group was conducted with nine NRR administrative assistants (AAs) to get further insight into issues affecting them and identify possible actions. A summary of the discussion and responsive actions follows. Some of the actions note commitments on NRR's part; others reflect areas where AAs are encouraged to take the initiative for improvement.

1. How would you characterize the work environment?

Focus Group views: Experiences vary based on which division AAs work in; however, the overall work environment is good.

Actions:

- Hold yourself and NRR management accountable for maintaining this positive work environment.
  - At the AA quarterly meeting on March 24, Office Director Eric Leeds will ask for your feedback and whether these actions are working
  - Demonstrate in your office a collaborative approach to work and take advantage of training to perform even better

2. How are you treated? How would you describe current working relationships?

Focus Group views: AAs say they have limited job and career opportunities. Sometimes they feel it's not worth it to interview because someone else will get the job anyway. Training and development are encouraged by the Office Director, but there is uncertainty about support from Division Directors. Teamwork among NRR AAs varies: some strong AAs, in some divisions, have an established means of teamwork, with backup procedures for phone transfers and emails.

Actions:

- The AA Retreat planned for May 18, 2011 will focus on teamwork.
- PMDA's Infrastructure Service Branch (ISB) will follow up with division AAs, who should work with fellow AAs to develop a division procedure for phone coverage and emails.
- To learn more about career path opportunities, access the following links:
  - Administrative Assistant Qualification Program (AAQP): http://papaya.nrc.gov/Training/Staff_Development/sec/index.cfm; Contact: Tamara Thompson, 301-492-2204.
  - ADM-505: http://nrr10.nrc.gov/pmda/phcb/rht/initiatives/adminstafftrainplan.html . Use the Office Instruction to identify training to help you perform more effectively in your current job. Additionally, the OI lists all the administrative jobs (i.e., Program Analyst, Licensing Assistant, Management Analyst, IT) in NRR, which can help you plan for career development. Contact: Alice Katoski, 301-415-7409
- To strengthen teamwork, review the AAQP's two courses on team-building: a) Being an Effective Team Member, and b) The Path to Peace and Harmony (Team Building). Consider having AAs in your division taking a course together.

- After reviewing the above, develop an Individual Development Plan (IDP) setting out what your goals are for your current job and future career. Read the IDP Brochure at: http://papaya.nrc.gov/IDP.pdf
- Discuss with your supervisor, particularly at mid-years or appraisal time, your job/career goals. While external funding in the current budget environment is quite limited, there are many internal courses to consider.
- Always interview! Even if you don't get that job, the process gets your name out there, improves your interviewing skills, and demonstrates initiative for future consideration.

3. How are Administrative Assistants viewed by others in NRR?

Focus Group views: The Front Office knows the value of AAs; however, this view might not trickle down to lower management levels. Perception is that few awards are provided to AAs, and that too many questions are asked of them, as if they don't know what they're doing.

Actions:

- NRR Leadership will provide a reminder at the March 30 All Supervisors Meeting to acknowledge how AAs contribute to mission accomplishments. Kudos to Kevin Harper for being November's NRR employee of the month!
- If you feel you're being asked a lot of questions, consider if more training would help you more confidently explain duty performance and ease your ability to advocate for yourself. Two required courses in the AAQP are: a) The Art of Global Communication, and b) Interpersonal Skills on the Fast Track.

4. What is your level of comfort raising issues and seeking resolution?

Focus Group views: Raising issues can be easy or difficult depending on the issue, one's past experience raising issues, and to whom you raise them. Directors are available and follow the open door policy, but some Branch Chiefs are less approachable. AAs believe that managers should coach their employees because more tenured technical staff does not want AAs telling them how to do administrative processes. AAs indicated that branch chiefs do not manage poor performance, either of AAs or other staff. AAs try to work with their peers to resolve issues, but managers choose not to get involved in technical staff-to-AA conflicts and issues linger.

Actions:

- NRR Leadership will provide a reminder message at the next All Supervisors meeting about the importance of working with AAs on T&L and processing of documents.
- Acknowledging that supervisory skill sets can be strengthened, NRR is placing a renewed emphasis on first line supervisor training.
    - OHR's *Leader's Academy* has a group of courses for supervisors. In January, Eric Leeds told Branch Chiefs that they are expected to develop their Leader's Academy training plan in order to a) discuss with their supervisors at mid-years, and b) demonstrate progress at appraisals.

- All NRR managers received training in Feb/March on *Difficult Conversations,* which should assist them in discussing issues and having effective performance discussions.

- Good news: peer to peer issue resolution is going well. AAs are actively resolving issues amongst themselves. Keep up the good work!

5. Describe how communications within NRR are handled.

Focus Group views: Poor attendance is an issue at AA meetings, which makes AAs wonder if their peers take the meetings seriously. The topics at the meetings are relevant to AA work; however, more focus is needed on interpersonal relationships. PMDA is also trying to help improve communications. Front Office communications have improved due to leadership changes. Changes are communicated via email and/or announcements. Most times, AAs don't know that changes are made until after the fact (there is a delay).

Actions:

- For AA quarterly meetings, ISB will include a 10-15 minute activity for AAs to become better acquainted.
- Leader's Academy training for Branch Chiefs includes *Interpersonal Communications.*
- Attend the quarterly AA meetings.

6. Do you have the tools needed to do your job?

Focus Group views: Both the Administrative section on the NRR website and the AA newsletter help refresh staff on procedures. Work procedures should be turnkey; there are procedural inconsistencies across NRR Divisions. The format of concurrence and the processes should be the same across the office. Desk audits are needed to better describe work and create consistent procedures.

Actions:

- ISB will include "*Helpful Tools*" as a topic for a future AA quarterly meeting to brainstorm on other improvements.
- If you haven't already, check out NRR's Administrative webpage at: http://nrr10.nrc.gov/nrr-office/pmda/sec-handbook/index.cfm . You'll find the NRR Monthly Administrative Newsletter (NMAN) there as well.
- Take the recently revised PDC classroom courses: a) Correspondence Management, and b) Correspondence Management: SECY Papers.

Contact: Sandra Walker (x1401) and Laura Gerke (x4099)

Owen, Lucy

From: Doane, Margaret
Sent: Wednesday, March 16, 2011 4:26 PM
To: McCree, Victor; Pederson, Cynthia; Tallarico, Alison; Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; Miller, Charles; Moore, Scott; Muessle, Mary; Satorius, Mark
Subject: RE: Action: ERB Items for Review

(b)(5)

From: McCree, Victor
Sent: Wednesday, March 16, 2011 5:14 PM
To: Pederson, Cynthia; Tallarico, Alison; Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; Miller, Charles; Moore, Scott; Muessle, Mary; Satorius, Mark
Subject: RE: Action: ERB Items for Review

(b)(5)

From: Pederson, Cynthia
Sent: Wednesday, March 16, 2011 4:47 PM
To: Tallarico, Alison; Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Satorius, Mark
Subject: Re: Action: ERB Items for Review

(b)(5)
(sent from Blackberry device)

From: Tallarico, Alison
To: Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Pederson, Cynthia; Satorius, Mark; Schaeffer, James; Sheron, Brian; Tallarico, Alison; Tracy, Glenn; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wert, Leonard; Wiggins, Jim
Sent: Wed Mar 16 16:28:20 2011
Subject: Action: ERB Items for Review

~~For your eyes only~~

TO ERB Members

We are sharing the following items for ERB review and information because the ERB is not scheduled to meet this week:

(b)(5),(b)(6)

(b)(5),(b)(6)

Thanks
Alison Tallarico (for Johanna Gallagher)
301-492-2326

From: Brown, Frederick
To: Solorio, Dave
Cc: Cheok, Michael
Subject: RE: Safety Culture Steering Committee
Date: Wednesday, March 16, 2011 4:30:38 PM

No problem, I'm checking with the Regions now.

From: Solorio, Dave
Sent: Wednesday, March 16, 2011 4:03 PM
To: Brown, Frederick
Cc: Cheok, Michael
Subject: FW: Safety Culture Steering Committee

Fred

I wanted to add to this message... since NRR coordinated comments from the Regions on the SCPS we just thought we should not reach out to a region until we consulted NRR. What Diane didn't mention is that we are beginning to get contacted by regional staff asking questions about the SCPS SRM for example, so we are also thinking it might make sense to get someone from the regions involved going forward.

(b)(5)

Dave

From: Sieracki, Diane
Sent: Wednesday, March 16, 2011 3:46 PM
To: Brown, Frederick
Cc: Solorio, Dave; Zimmerman, Roy; Thompson, Catherine
Subject: Safety Culture Steering Committee

Fred:

As you are aware, we have a Safety Culture Steering Committee meeting scheduled for March 30, 2011. In the past, Chuck Casto attended these meetings as the representative for the regions. With Chuck's focus on the events in Japan, I would ask that you consider who might be a good replacement for Chuck for the Steering Committee. This individual would attend the meetings (via bridge line in most cases) as we move forward through the next steps phase for the safety culture policy statement on an ongoing basis.

When you have someone in mind and have spoken with that individual, please let me know and I will ensure that he/she is added to the email list and is invited to the meeting on March 30. Kitty Thompson normally handles the Steering Committee meeting notices and Agenda. She will be providing an agenda for this meeting sometime next week.

Please let me know if you have any questions. I appreciate your help.

Diane J. Sieracki
Sr. Safety Culture Program Manager
Office of Enforcement
301 415-3297

From: (b)(6)
To: Lubinski, John; (b)(6)
Subject: (b)(6)
Date: Wednesday, March 16, 2011 4:31:25 PM

(b)(6)

From:	Deeds, Erin
To:	Lupold, Timothy; Mitchell, Matthew; Simms, Sophonia; Rosenberg, Stacey; Champion, Bryan; McHale, John; Pascarelli, Robert; Kulesa, Gloria; Dennig, Robert; Helton, Shana; Thorp, John; Elliott, Robert; Carlson, Robert; Mendiola, Anthony; Khanna, Meena; Ulses, Anthony; Wrona, David; Campbell, Stephen; Gorham, Taiuan; Boger, Bruce; Hollan, Brian; Brown, Frederick; Givvines, Mary; Cheok, Michael; Hiland, Patrick; Weerakkody, Sunil
Cc:	Grobe, Jack
Subject:	Reminder - Difficult Conversations Session 3
Date:	Wednesday, March 16, 2011 4:35:56 PM
Importance:	High

Good afternoon,

This is a reminder that you are scheduled to attend the Difficult Conversations Session #3 from Tuesday, March 22, 2011 through Wednesday, March 23, 2011. Class starts at 8:30am, please arrive on time to the PDC.

When asked by Quynh, here's a paraphrase of Eric Leeds' response:

Understanding the Japan situation, managers should make every effort to attend the training.

The NRC has already spent significant resources (during the Continuing Resolution).

Class 3:
Tuesday 22 – Wednesday 23
830 -1600 (PDC)

Thank you,
Erin D. Deeds, Information Management Assistant
NRR/DPR/PRIB
301-415-2887
erin.deeds@nrc.gov
O-12H18

From: Mentz, John W
To: Fragovannis, Nancy; Virgilio, Martin
Cc: Cockerham, Robert S; Richard.Goorevich@nnsa.doe.gov; Melissa.Krupa@nnsa.doe.gov; Zubarev, Jill; Stratford, Richard J; Burkart, Alex R
Subject: Reply to comments on the guidance for the Joint CSS/AdSec Meeting on Options
Date: Wednesday, March 16, 2011 4:36:34 PM

(b)(5)

I realize the current emergency in Japan is taking most of our time, so I suggest we get back to these discussions after it is over.

Jake

Jake Mentz
State/ISN/NESS
202-647-3342

SBU
This email is UNCLASSIFIED.

From:	Heida, Bruce
To:	Harrison, Donnie; Dinsmore, Stephen
Cc:	Cheok, Michael; Tate, Travis
Subject:	FW: ACTION: FOIA 2011-1113
Date:	Wednesday, March 16, 2011 4:37:26 PM
Attachments:	FOIA 2011-0113.pdf How to respond to a FOIA request.pdf
Importance:	High

Donnie, Steve,

Please see the attached FOIA. Patti Craver requests feed back by this Friday.

Please let me know if you need any additional information.

Thanks,

Bruce Heida
US NRC
NRR/DRA
(301) 415-3221

From: Craver, Patti
Sent: Wednesday, March 16, 2011 2:11 PM
To: Heida, Bruce
Cc: Craver, Patti; Lee, Samson
Subject: ACTION: FOIA 2011-1113
Importance: High

Good Afternoon Bruce,

DLR suggested I add DRA to the assignment of the attached FOIA request from Tracy Carlucccio, Delaware Riverkeeper Network, seeking records regarding the internal deliberations of the NRC's development of the Supplemental Environmental Impact Statement (SEIS) for the License Renewal of the Salem/Hope Creek Nuclear Facilities.

Please provide me your estimates for search, review and number of pages you think you will have by Friday, March 18, 2011.

Please let me know if other NRC offices or NRR divisions should be assigned this request.

Charge time to TAC ZF0001

Thanks,
Patti Craver
FOIA Coordinator
Infrastructure Services Branch
Program Management, Policy Development
and Analysis Staff
Office of Nuclear Reactor Regulation

(301) 415-1513
patti.craver@nrc.gov

FOIA Resource

From: Tracy Carluccio [tracy@delawareriverkeeper.org]
Sent: Monday, March 14, 2011 10:18 AM
To: FOIA Resource
Subject: Freedom of Information Act Request
Attachments: FOIA 3.14.10.docx

FOIA/PA REQUEST
Case No.: 2011-0113
Date Rec'd: 3-14-11
Specialist: Dennis
Related Case:

March 14, 2011

U.S. Nuclear Regulatory Commission
Mail Stop T-5 F09
Washington, DC 20555-0001

Re: Freedom of Information Act Request

Dear FOIA Officer,

We are seeking access to records under the Freedom of Information Act 5 U.S.C. 552 and Nuclear Regulatory Commission's (NRC) regulations.

Please provide copies of all communications, notes, minutes of meetings, records, emails, and other documents regarding the internal deliberations of the NRC's development of the **Supplemental Environmental Impact Statement (SEIS) for the License Renewal of the Salem/Hope Creek Nuclear Facilities**.

Please provide meeting minutes and all documents specific to the scope of work, schedule of work, and analysis of safety and operating conditions at the Salem/Hope Creek Facilities related to the SEIS during the development of the SEIS by the NRC.

We request that a processing fee be waived because the disclosure of the information requested is in the public interest to protect the communities and environment and will lead to better understanding by the public of the agency's operations and activities related to a SEIS for License Renewal. Delaware Riverkeeper Network (DRN) is a nonprofit organization classified as a 501(c) 3 and works to protect the Delaware River, its Watershed and all related environmental aspects. The information will be used to inform and educate the public and DRN's members and will be summarized and made public through DRN's website and other available means. The public who is directly affected by the decisions regarding the SEIS and those downstream/downwind and within impact of the Salem/Hope Creek facilities, located at Artificial Island in the Delaware River, number in the millions; some live in the States that make up the Delaware River Basin, particularly New Jersey, Pennsylvania and Delaware. The affected public does not have a full understanding of the internal processes that are used to develop and then execute an SEIS by the NRC. DRN has no commercial or private interest in this information.

DRN will pay copying costs and requests that we be notified of the volume of documents prior to copying.

Thank you.

Sincerely,

//s//

Tracy Carluccio
Deputy Director
Delaware Riverkeeper Network

Tracy Carluccio
Deputy Director
Delaware Riverkeeper Network
300 Pond Street, 2nd Floor
Bristol, PA 19007
Phone: 215 369 1188 ext 104
Cell: (b)(6)
Fax: 215 369 1181
www. delawareriverkeeper.org

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March 14, 2011

U.S. Nuclear Regulatory Commission
Mail Stop T-5 F09
Washington, DC 20555-0001

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Delaware Riverkeeper Network
300 Pond Street, Second Floor
Bristol, PA 19007
tel: (215) 369-1188
fax: (215) 369-1181
drkn@delawareriverkeeper.org
www.delawareriverkeeper.org

DRN will pay copying costs and requests that we be notified of the volume of documents prior to copying.

Thank you.

Sincerely,

//s//

Tracy Carluccio
Deputy Director
Delaware Riverkeeper Network

From:	Jones, Kimberly
To:	Haney, Catherine; Buchholz, Jeri; Dosch, William; Davidson, Lawrence; Lew, David; Stewart, Sharon; Sheron, Brian; Moore, Scott; Wiggins, Jim; Solorio, Dave; Zimmerman, Roy; Munday, Joel; Boyce, Thomas (OIS); Grobe, Jack; Cohen, Miriam
Subject:	Draft Notes from 2/9/2011 Worklife Steering Committee Teleconference
Date:	Wednesday, March 16, 2011 4:39:35 PM
Attachments:	FEVS2010 INFORMATION PAPER.docx Worklife Steering Committee Teleconference 20911.doc

Attached are the draft meeting notes from February's Steering Committee meeting. Please review and provide any comments to me by March 23, 2011.

Thanks
Kim Jones, NMSS

INFORMATION PAPER: Staff/Manager Alignment Score—New Information from the Federal Employee Viewpoint Survey

(b)(5)

(b)(5)

(b)(5)

Worklife Steering Committee Teleconference
February 9, 2011

Participants: Cathy Haney, Miriam Cohen, Jerri Buchholz, David Lew, Larry Davidson, Sharon Stewart, Scott Moore, Brian Sheron, Jim Wiggins, Jack Grobe, Bill Dosch, David Solorio, Joel Munday, Tom Boyce, Kim Jones

(b)(5)

(b)(5)

Satorius, Mark

From: government3-bounces+mark.satorius=nrc.gov@lists.aliconferences.com on behalf of Lisa McClear, ALI Conferences [lisamcclear@aliconferences.com]
Sent: Wednesday, March 16, 2011 4:39 PM
To: Satorius, Mark
Cc: ALI Conferences Government Notification List - Part 1
Subject: 8th Strategic Internal Communications in Gov't Conference: May 23-26, 2011 in D.C. - Register Soon to Save

Register by next Thursday, March 24th to save $400 at the 8th updated forum packed with proven strategies to help your government agency revitalize its internal communications...

STRATEGIC INTERNAL COMMUNICATIONS in GOVERNMENT:
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How To Use SOCIAL MEDIA &
TRADITIONAL COMMUNICATIONS
To Engage Your Employees,
Drive Performance & Add Value
* * * * * * * * * * * * * *
May 23-26, 2011 - Washington, DC

Complete Agenda Details:
http://www.aliconferences.com/conf/internal_comm0511/index.htm

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2) San Diego County Regional Airport Authority

3) U.S. Department of Defense

4) NASA, Langley Research Center

5) U.S. Government Printing Office

6) Smithsonian Institution

7) U.S. Food and Drug Administration

8) Montgomery County, Maryland

9) U.S. Air Force Medical Service

10) Federal Aviation Administration

11) U.S. Department of Homeland Security

12) Beekeeper Group

and more...

To view the detailed agenda or to register:
- - - - - - - - - - - - - - -
CALL: 888-362-7400, x1 -or- 773-695-9400, x1
ONLINE: http://www.aliconferences.com/conf/internal_comm0511/index.htm

** Please mention EMAIL CODE "EB5-G" upon registration to ensure early bird rates.

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AGENDA SUMMARY
"Strategic Internal Communications in Government"
General Sessions
Tuesday, May 24 - Wednesday, May 25, 2011
- - - - - - - - - - - - - - -

AGENDA, DAY ONE, Tuesday, May 24, 2011

8:30 Chairperson's Welcome & Opening Remarks
-- BEEKEEPER GROUP and
U.S. "Shadow" Representative, District of Columbia

8:45 Understanding Your Internal
Audience -- Across A Widespread
Organization -- So That Your
Message Connects, Is Remembered
And Influences Behavior
-- FEDERAL AVIATION ADMINISTRATION

9:30 Implementing The Latest Tools
To Engage Your Employees, Build Your
Strategic Framework, And Communicate
Strategic Direction For Your Organization
-- NATIONAL AERONAUTICS AND SPACE ADMINISTRATION,
LANGLEY RESEARCH CENTER

10:15 Break-Out Blitz!
Network And Discuss Communication
Challenges With Your Fellow Conference Attendees

11:15 Strong Communication Starts

At The Top: Strategies For Enhancing
Leadership Communications
-- U.S. FOOD AND DRUG ADMINISTRATION

12:00 Communicate To Motivate:
How To Get Your Employees Aligned
With Your Organizational Goals
-- NATIONAL ASSOCIATION OF GOVERNMENT COMMUNICATORS

2:15 How To Become A More Effective
And Efficient Communicator By
Improving Your Communication Style
-- U.S. DEPARTMENT OF THE INTERIOR

3:20 Overcoming Internal Barriers
And Setting Social Media Expectations
With Your Employees
-- U.S. DEPARTMENT OF DEFENSE

4:05 How To Use Social Networking
Tools To Foster Collaboration And
Enhance Your Internal Communications
-- U.S. AIR FORCE MEDICAL SERVICE
-- EVOLVENT TECHNOLOGIES

4:50 End Of Day One & Networking Reception

AGENDA, DAY TWO, Wednesday, May 25, 2011

8:30 Chairperson's Opening Of
Day Two & Presentation:
How To Use Collaboration Tools
To Advance Your Internal Communications
-- BEEKEEPER GROUP and
U.S. "Shadow" Representative, District of Columbia

9:30 Inform, Recognize And
Involve Employees: Using
Electronic Billboards To
Improve Employee Communication
And Engagement Across A
Large, Diverse Organization
-- U.S. GOVERNMENT PRINTING OFFICE

10:45 How To Develop And
Implement Value-Adding Internal
Communication Strategies That
Reinforce Organizational Priorities
Without Adding Any New Costs To The Budget
-- MONTGOMERY COUNTY, MARYLAND

11:30 How To Super-Size Traditional
Communications With Strategic
Integration Of Six Low-Cost,
High-Impact Social Media Tools
-- SAN DIEGO COUNTY REGIONAL AIRPORT AUTHORITY

1:45 Group Exercise: Brainstorm Solutions
And New Ideas You Can Use

2:15 How To Effectively Communicate
The Launch Of A New Performance
Management System To Guarantee Success
-- SMITHSONIAN INSTITUTION
-- STRATEGIC PARTNERS, INC.

3:15 How To Use Strategic
Internal Communications To
Ensure Success In Organizational
Change Management
-- U.S. DEPARTMENT OF HOMELAND SECURITY

4:00 Key Takeaways And What To Do
When You Get Back To The Office

5:15 Close Of General Sessions

EXPAND YOUR LEARNING...
You may choose to attend one of more of these optional, hands-on WORKSHOPS:
- - - - - - - - - - - - - - - - - - - -

PRE-CONFERENCE WORKSHOPS:
MONDAY, May 23, 2011
Choose A or B or BOTH

Morning PRE-Conference Workshop A, 8:30am - 11:30am

"Performance-Based Communications: Creating A Culture Of "Yes" Through
The Design And Implementation Of Internal Communication Strategies"

In this interactive and forward-thinking workshop, we will discuss the
process of:

* Discovering the reality of your current organizational communications
culture

* Dreaming about your own culture that would support internal
communication strategies

* Rediscovering what could be by combining a reality with a "wouldn't it
be great..." vision

* Designing cultural shift strategies to address how to get colleagues
to want to do what you want

* Developing action steps within your internal communications calendar
to focus on opportunities to synchronize efforts

* Delivering an annual culture shift plan that incorporates the ideas
learned...the "ah-has"...to accomplish your dream

WORKSHOP LEADERS: Linda Brown Rivelis, President, and Michelle Bond, Project Manager, at Campaign Consultation, Inc., work with individuals and organizations at local, state, national and international levels to achieve media & marketing, community development, fund raising, diversity utilization, as well as organizational and business development success.
* * * * * * * * * * * *

Afternoon PRE-Conference Workshop B, 1:00pm - 4:00pm

"How To Use Collaborative Social Media Tools To Reinvent Your Internal Communications: Developing Policies, Setting Metrics And Engaging Employees"

At the conclusion of the workshop, you will be able to:

* Create a Conversation Map of web and social media activity most relevant to your agency's mission and communication goals

* Develop a Performance Scorecard that defines success through attainment of key metrics for internal stakeholders in areas of Activity, Reach and Engagement

* Develop a social media policy that protects the agency by proactively addressing current and future engagement concerns

* Create a social media orientation and support program that provides instruction to employees before they engage in online conversations and just-in-time help when they are engaging, including the grooming of agency ambassadors

* Create an internal community site to keep employees engaged with the use freely available open source tools already in use at other government agencies

* Develop presences on government-friendly social media sites and networks that have been used by your counterparts that provide privacy and "terms of service" elements your legal department requires

WORKSHOP LEADER: Barry Reicherter is Senior Vice President – Digital Strategy & Ideas at Widmeyer Communications. Widmeyer Communications' clients include: the U.S. Consumer Products Safety Commission, the U.S. Department of Health and Human Services, Pfizer, Nestle, and Pearson.
* * * * * * * * * * * *

POST-CONFERENCE WORKSHOPS:
THURSDAY, May 26, 2011
Choose C or D or BOTH

Morning POST-Conference Workshop C, 8:30am - 11:30am

"Creating An Action Plan To Reinvent The Role Of Internal Communications In Your Government Organization: What To Do When You Get Back To The Office"

At the end of this workshop, you will leave with:

* An action plan for prioritizing ideas and concepts learned during the

conference

* A specific structure for ensuring personal accountability for implementing specific communication strategies as a follow-up to the conference

* Three great questions to ask to check on your progress

* Five ideas to help you measure the impact of specific communication strategies

WORKSHOP LEADER: Ken Boxer is the Founder and President of Strategic Partners, Inc. (SPI), a coaching, consulting, and training firm. Ken is well known throughout the consulting industry as a forward thinker and a leader in providing integrated solutions to address clients coaching, consulting and training needs.
* * * * * * * * * * * *

Afternoon POST-Conference Workshop D, 1:00pm - 4:00pm

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* Defining and supporting the leaders' role in communicating about the business

* Using creative ways to energize employees and truly engage them in the strategy

WORKSHOP LEADER: Lawrence Polsky is a Managing Partner at PeopleNRG, a change consulting firm in Princeton, New Jersey. Since 1993, Lawrence has assisted dozens of organizations as an author, consultant, coach, and trainer in the areas of leadership, change management, team building, and professional development.
* * * * * * * * * * * *

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POST C: Creating An Action Plan To Reinvent The Role Of Internal Communications In Your Government Organization: What To Do When You Get Back To The Office

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* * * * * * * * * * * * * *

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Owen, Lucy

From: Ash, Darren
Sent: Wednesday, March 16, 2011 4:51 PM
To: Pederson, Cynthia; Tallarico, Alison; Evans, Michele; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Satorius, Mark
Subject: Re: Action: ERB Items for Review

(b)(5)

From: Pederson, Cynthia
To: Tallarico, Alison; Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Satorius, Mark
Sent: Wed Mar 16 16:46:53 2011
Subject: Re: Action: ERB Items for Review

(b)(5)
(sent from Blackberry device)

From: Tallarico, Alison
To: Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Pederson, Cynthia; Satorius, Mark; Schaeffer, James; Sheron, Brian; Tallarico, Alison; Tracy, Glenn; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wert, Leonard; Wiggins, Jim
Sent: Wed Mar 16 16:28:20 2011
Subject: Action: ERB Items for Review

~~For your eyes only~~

TO ERB Members

We are sharing the following items for ERB review and information because the ERB is not scheduled to meet this week:

(b)(5),(b)(6)

(b)(5),(b)(6)

Thanks
Alison Tallarico (for Johanna Gallagher)
301-492-2326

From:	Frazier, Alan
To:	Haney, Catherine; Dorman, Dan
Cc:	Kinneman, John; Tschiltz, Michael; Bailey, Marissa; Doolittle, Elizabeth; Sykes, Marvin; Cobey, Eugene
Subject:	QUERY: Special Inspection Team Charter for GNF-A
Date:	Wednesday, March 16, 2011 4:43:38 PM
Attachments:	Special Inspection Charter (2).pdf

Cathy,

Attached is the Special Inspection Team Charter for GNF-A for RII to inspect and assess the facts and circumstances surrounding the failure to maintain mass control within the UO2 Sinter Test Grinding Station HEPA filter enclosure. As you know, the issue was reported to the NRC Operations Center on March 2, 2011, (Event # 46650) and the team is onsite this week.

(b)(5)

Please let me know if there is anything that you or your staff would like to add to this statement. (b)(5)

(b)(5)

Alan

UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
245 PEACHTREE CENTER AVENUE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257

March 11, 2011

MEMORANDUM TO: Omar R. López, Team Leader
Global Nuclear Fuel – America, L.L.C., Special Inspection

FROM: Victor M. McCree, Regional Administrator **/RA/ by L. Wert for**

SUBJECT: SPECIAL INSPECTION TEAM CHARTER FOR GLOBAL NUCLEAR FUEL-AMERICA, L.L.C., DOCKET NO. 70-11113 (INSPECTION REPORT NO. 70-1113/2011-006)

This memorandum confirms the establishment of a Special Inspection Team (SIT) at Global Nuclear Fuel – America, L.L.C. (GNF-A) to inspect and assess the facts and circumstances surrounding the failure to maintain mass control within the UO_2 Sinter Test Grinding Station HEPA filter enclosure. The issue was reported to the NRC Operations Center on March 2, 2011, (Event # 46650). You are the inspection leader and should report your status directly to me. Nicole Coovert and Christian M. Fisher are assigned as members of the team to assist in completing the objectives of the Charter. The onsite inspection should begin on March 14, 2011.

Management Directive 8.3, "NRC Incident Investigation Program," was used to evaluate the level of NRC response for this operational event. Based on the deterministic criteria the staff concluded that this issue led to the loss of a significant safety function; involved possible adverse generic implications; involved significant design defects involving safety-related equipment; involved repetitive events involving safety-related equipment; and involved questions pertaining to licensee operational performance. NRC determined that the appropriate level or response was to conduct a Special Inspection.

The inspection will be performed in accordance with the guidance of Inspection Procedure (IP) 88003, IP 88020, and the applicable provisions of IP 93812; and will be consistent with Management Directive 8.3 and Manual Chapter 2600. The report will be issued within 30 days of the completion of the inspection.

A copy of the Charter is enclosed for your use. The objectives of the inspection are to gather information and make appropriate findings and conclusions in the areas listed in the Charter. These results will be used as a basis for any necessary follow-up. As indicated in the Charter, the foremost objective is to determine the safety implications and adequacy of the licensee's corrective actions for the issues which resulted in the event.

Enclosure: As stated

CONTACTS: Marvin D. Sykes, RII/DFFI
404-997-4629

Anthony T. Gody, RII/DFFI
404-997-4701

MEMORANDUM TO: Omar R. López, Team Leader
Global Nuclear Fuel – America, L.L.C., Special Inspection

FROM: Victor M. McCree, Regional Administrator **/RA/ by L. Wert for**

SUBJECT: SPECIAL INSPECTION TEAM CHARTER FOR GLOBAL NUCLEAR FUEL-AMERICA, L.L.C., DOCKET NO. 70-11113 (INSPECTION REPORT NO. 70-1113/2011-006)

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Enclosure: As stated

CONTACTS: Marvin D. Sykes, RII/DFFI
404-997-4629

Anthony T. Gody, RII/DFFI
404-997-4701

*see previous concurrence

☐ PUBLICLY AVAILABLE √ NON-PUBLICLY AVAILABLE ☐ SENSITIVE √ NON-SENSITIVE

ADAMS: √ Yes ACCESSION NUMBER: ML110700625 ☐ SUNSI REVIEW COMPLETE

OFFICE	RII:DFFI	RII:DFFI	NMSS	RII:ORA			
SIGNATURE	/RA by MS/	/RA by AG/	/RA by PS for JK via email/	/RA by LW/			
NAME	MSykes*	AGody*	JKinnenman	LWert			
DATE	3/9/2011	3/9/2011	3/10/2011	3/11/2011	3/ /2011	3/ /2011	3/ /2011
E-MAIL COPY?	YES NO	YES NO	YES NO	YES	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: G:\DNMSII\FFBII\EVENTS\GLOBAL NUCLEAR FUEL\SPECIAL INSPECTION CHARTER (2).DOCX

Special Inspection Team Charter
Global Nuclear Fuel - Americas
Failure to Maintain Mass Control in HEPA Filter Housing

Event

On February 1, 2011 at Global Nuclear Fuel–Americas (GNF-A), the licensee noticed a high differential pressure (Δp) of approximately 4 inches of H_2O across the filtration unit in the UO_2 Sinter Test Grinding Station. The licensee, using an approved procedure, replaced the pre-filter on February 1. Approximately 4 kilograms of UO_2 powder was removed from the pre-filter. The system was returned to service; however, the licensee did not see a reduction in the Δp readings.

On February 5, the licensee again removed the system from service and replaced the HEPA filter. During this activity, approximately 26.9 kilograms of UO_2 powder was removed from the HEPA. The combination of material removed from the pre-filter and HEPA totaled 30.9 kilograms of UO_2 powder, slightly less than the safe mass limit of 31 kilograms for dry UO_2 powder. The licensee stated that a Δp of 4 inches H_2O would normally be reached before 25 kilograms of UO_2 accumulated on the HEPA filter. This particular HEPA filter is believed to have been in service for approximately two years. The licensee entered this occurrence into their near miss tracking database and continued to operate the UO_2 Sinter Test Grinding Station.

On March 1, while performing routine non-destructive analysis (NDA) of the ventilation duct around the UO_2 Sinter Test Grinding Station HEPA enclosure, the licensee identified material in the transition section of the HEPA filter enclosure. The licensee re-entered the system and removed approximately 15.3 kilograms of UO_2 powder. This additional UO_2 powder was determined to have been present in the HEPA enclosure since at least February 1. Therefore, approximately 46 kilograms of UO_2 powder was present and uncontrolled in HEPA filter enclosure.

Upon discovery of the additional material in the transition section of the enclosure, the licensee shutdown the UO_2 Sinter Test Grinding Station and the other grinders in the facility to assess the extent of condition. GNF identified similar grinders and reviewed historical Δp data for all of the HEPA enclosures. No other examples of excessive material accumulation were identified. The licensee determined that all other grinder HEPA enclosures had a different design, no common issues were noted. The UO_2 Sinter Test Grinding Station remained shutdown but all other grinders were returned to service while the licensee conducts a root cause investigation.

GNF relied on mass and moderation control to ensure double contingency and this condition represented a loss of mass control. Although the licensee has reported that moderation control was not impacted, double contingency was no longer satisfied. GNF reported this event on March 2, 2011(EN 46650) but did not specify the reporting criteria. A preliminary review of the issue by the staff indicates that the issue may have been reported in accordance with 10 CFR 70 Appendix A (b)(1), "Any event or condition that results in the facility being in a state that was

not analyzed, was improperly analyzed, or is different from that analyzed in the Integrated Safety Analysis, and which results in failure to meet the performance requirements of 10 CFR 70.61."

Objectives

The objectives of the inspection are to: 1) review the facts surrounding the failure to maintain mass control within the of UO_2 Sinter Test Grinding Station HEPA filter enclosure; 2) assess the licensee's response to the higher than anticipated UO_2 mass in the HEPA enclosure; and 3) evaluate the licensee's immediate and long term corrective actions to prevent recurrence. To accomplish these objectives, the following tasks will be completed:

1. Develop a timeline of the licensee's actions leading up to and following this process upset condition.

2. Determine the actual and potential safety significance to the workers, public, and the environment.

3. Evaluate the adequacy of the licensee's response to this process upset condition including operator response and maintenance effectiveness.

4. Evaluate the adequacy of licensee's event reporting.

5. Evaluate the adequacy of the licensee's causal analysis and extent of condition review.

6. Evaluate the adequacy of the licensee's immediate and long term corrective actions; and actions to prevent recurrence.

7. Evaluate the adequacy of the licensee's integrated safety analysis to ensure that performance requirements are met for this and related accident scenarios.

Documentation

Document the inspection findings and conclusions in an inspection report within 30 days of the completion of the inspection.

From: Grenier, Bernard
To: Ruland, William
Cc: Titus, Brett
Subject: FW: Request for contractor services - (b)(5)
Date: Wednesday, March 16, 2011 5:19:34 PM
Attachments: SOWTemplate.doc

Bill,

(b)(5)

Please let me know what you think about his one.

Bernie

From: Grenier, Bernard
Sent: Wednesday, March 16, 2011 5:14 PM
To: Ward, Leonard
Cc: Mendiola, Anthony
Subject: RE: Request for contractor services

Hi Len!

(b)(5)

Bernie

From: Ward, Leonard

Sent: Wednesday, March 16, 2011 11:21 AM
To: Grenier, Bernard
Cc: Mendiola, Anthony
Subject: Request for contractor services

Hi Bernie:

(b)(5)

Dr. Leonard W. Ward, PhD
US Nuclear Regulatory Commission
NRR/DSS/SNPB
MS O10-B3
Washington DC 20555-001
Work (301) 415-2866
Fax (301) 415-3577

GUIDELINES FOR PREPARING STATEMENTS OF WORK FOR TASK ORDERS

Follow the format of the statement of work (SOW) in terms of the sequence of sections and paragraphs provided below.

(Items that appear in **bold** are actual parts of a statement of work; other information constitutes instruction. BUT do not use BOLD in the statement of work.)

Statement of Work For
Task Order No. XX Under JCN J-XXXX
(Include the contract number for commercial contracts)

Title: }Be succinct but descriptive

Technical Monitor(s): } Name(s) and telephone number(s), if applicable

Note: If there are more than one Technical Monitor to be assigned, indicate who is responsible for what part of the contract and who is the lead.

TAC or Inspection Report Number: } Must be on each SOW; ties in with license fee reporting.

BACKGROUND

Summarize the matters or issues for which the work is being contracted. Provide sufficient information to allow a disinterested third party to gain a basic knowledge of the matters or issues to be addressed and the reasons the matter or issue needs to be addressed. Identify or reference reports to be reviewed (such as licensee submittals and topical reports). If applicable, describe how the product(s) will be used in the regulatory process. The background paragraph should flow naturally and logically into the objective.

OBJECTIVE

Clearly and concisely describe the end results to be obtained from the contractor that will be used by the staff to address the matters or issues described in the background statement. The objective is what product(s) the contractor will ultimately deliver, not what the staff will do with the product. Complete the following sentence:

The objective of this task order is to obtain the technical expertise of (insert contractor name) **to assist the staff in determining.....**

For example, "...in performing an inspection of XXXXX facility and documenting the results," or "...in reviewing the licensee's submittal with respect to ... recommending whether or not the licensee's position is acceptable."

TECHNICAL AND OTHER SPECIAL QUALIFICATIONS REQUIRED

State the number, level and types of specialized engineers, scientists, etc. required keeping in mind that the contractor is responsible for selecting and proposing its employees, not NRC. If applicable, state the need for availability of the contractor's personnel such as full-time, part-time, or intermittent. State the level required, i.e., Expert, Senior, Staff or Junior. Be as descriptive as possible concerning any specialized experience required to complete the work. As necessary, specify whether site access or unescorted site access will be required.

The number, level and types of personnel required ties in with the LEVEL OF EFFORT section.

WORK REQUIREMENTS AND SCHEDULE

Describe the tasks and subtasks to be performed in a clear and succinct manner and at a level that lends itself to a development of a reasonable schedule. As a general rule, a reasonable schedule is one in which there is at least one milestone per month.

> NOTE: Much of the work that NRC does involves "review and evaluation" of licensee, applicant or vendor reports and other similar documents. With this type of work, the work requirements must contain the basis for the review/evaluation, i.e., the review/evaluation criteria such as the reference to the NRC rules and regulations, and/or the standard review plan, Regulatory Guide and the like. Start the Task by the following description:

1. **Using the criteria and guidelines found in** (state reference to rules, regulations, SRP, Regulatory Guide, etc.) **review and evaluate** (reference the document(s) or part(s)/section(s) of the document or reference it as part of the NRC Furnished Materials section) **to determine acceptability (and/or to determine what additional information or clarification may be needed. Specifically,** (provide to the extend applicable to the work, what method of review, approach, analysis that must be done to make the safety or acceptability determination. There may be Subtasks involved in completing this work and each Subtask must have a milestone that meets the milestone guidance: *one milestone per month.*

A milestone does not have to be a deliverable, although such milestones are the easiest to monitor. Milestones can be established based on

- time (e.g., after XX weeks),
- quantity (e.g., after completing three site audits), or
- percent completion (e.g., after completion of each 25% of the task)

For work that involves travel, use trip reports as milestones.

WORK REQUIREMENTS AND SCHEDULE (CONTINUED)

Unless a specific scheduled date is essential to the completion of a specific task or subtask, establish scheduled time frames rather than specific due dates, as follows:

- two weeks authorization of work on this task order
- three weeks after completion of Task 1
- one week after the trip or meeting
- two weeks after receipt of NRC comments on the draft report.

As a general rule, write the tasks and subtasks in a columnar format with the tasks and subtasks in the first column and the corresponding schedule in the second column, as shown below:

Tasks	Completion Schedule
1.	
2. , etc.	

Subtasks: a., b., c., etc.

Sub-Subtasks: (1), (2), (3), etc.

Describe the work requirements in a manner that will provide a third party (e.g. Division of Contracts contract administrator) with a basic knowledge of what will be done and how it will be accomplished within the level of effort and schedule established.

Although separate SOW sections address deliverables and travel, including the requirement for the reporting requirements and for the travel requirement in the "Work Requirements and Schedule" section. The following are examples:

Tasks	Completion Schedule
3. Prepare a technical letter report.	
a. Draft report.	Four weeks after receipt of licensee's responses to request for additional information.
b. Prepare for and travel to NRC Headquarters discuss the draft report.	Within one week after completion of Task 3.a.
c. Incorporate NRC comments and prepare the final report.	Three weeks after the meeting (Task 3.b).

If the work requirements cannot be described to the level stated above, or if a schedule cannot be established, the work is not ready for contracting. In this case, do not prepare the task order until these elements can be established.

LEVEL OF EFFORT

The following section should be completed:

The estimated level of effort in **professional staff** (preferable to use days), **apportioned among the tasks** (between, if only two) is as follows:

Tasks	Labor Category	Level of Effort
1.	Sr. M.E./PI	4[1]
	Sr. M.E.	4
	Expert M.E.	4
	Subtotal	12
2.	Sr. M.E./PI	3[2]
	Sr. M.E.	3
	Expert M.E.	3
	Subtotal	9
	Project Management	1
	Total	22 days

PERIOD OF PERFORMANCE

Considering the milestone schedule, indicated the time frame by when the work is projected to be done:

The projected period of performance is XX (weeks/months) **from authorization of work.**

The use of specific dates is discouraged. Use of specific dates is difficult because of the time lag involved in the processing of the task order. However, once the contractors submit their proposal, then the specific period of performance can be established. The contractor can also specify the period of performance as part of the proposal.

[1] Two days are for the meeting and two days are for technical review and report writing.

[2] One day is for the meeting and two days are for technical review and report writing.

DELIVERABLES

State all required products to be produced and delivered by the contractor.

Monthly Business Letter Report

The basic contract includes a requirement for monthly business letter reports; it is redundant to repeat the requirement in the task order. If new requirements are needed, the basic contract should be modified, unless it is specific to this task order.

Technical Reporting Requirements

While the requirement for reports and other deliverables are specified in the "Work Requirements and Schedule" section of the SOW, the "Technical Reporting Requirements" section summarizes the content, format, etc. of all required reports and when they are due, consistent with the schedule established in the "Work Requirements and Schedule" section. In addition, the following information should be provided:

- Specify to whom the report is to be addressed, who should be on the distribution list, and how many copies each addressee should receive. The following notation should be used:

  NOTE: All reports to be submitted to the Technical Monitor electronically with a copy provided to the Project Manager. These reports will be prepared in WordPerfect 10.0 or compatible format. The transmittal letter and cover page shall contain the job code number (JCN), the task order number and title and NRC technical assignment control (TAC) number(s).

  Organizational identification (Branch/Division/Office), if desired, can also be specified in the paragraph above.

- Identify the type of report to be prepared:

  - Technical Evaluation Report (TER): This type of report is requested when a formal report is required, but the distribution is limited. In NRR, a TER is usually associated with "licensing actions" where the staff's safety evaluation report (SER) will incorporate the TER by reference.

  - NUREG/CR Report: The most formal contractor report, a NUREG/CR report is requested when there is a significant and important compilation of information, when wide distribution of the report as a stand alone document is required, and when the staff believes the document will be referenced frequently.

    NUREG/CR reports require the completion and execution of NRC Form 426A. The Form 426A is to be completed by the contractor and sent to the project manager for processing. For further information, refer to Management Directive 3.8 (formerly NRC Manual Chapter 3202). State that NUREG/CR reports must be prepared in accordance with NUREG-0650, "Publishing Documents in the NUREG Series."

DELIVERABLES (CONTINUED)

Technical Reporting Requirements (Continued)

- Trip Report: In general, every trip for which results are not directly incorporated into either of the above reports, except for inspections and operator licensing examinations (see paragraph below), should be documented in a short, concise trip report.

- Technical Letter Report: All other reports, documents, and other information including requests for additional information (RAI), computer software, and inspection or operator licensing examination inputs to be delivered by the contractor that do not fall under the other types of reports listed above are transmitted as or under the cover of a technical letter report.

- Specify the format and content of each report, as well as related sections such as the Abstract, Executive Summary, References, and any appendices. Reference the contract number (for commercial contracts), job code number (JCN), task order number, and technical assignment control (TAC) or inspection report number. See Attachments 1 and 2 for examples.

- If the report will include proprietary or other sensitive information, indicate how this information will be handled. Use the following paragraph:

  NOTE: **These documents contain proprietary information and they must be safeguarded against unauthorized disclosure. After completion of work, the documents should either be destroyed or returned to NRC. If they are destroyed, please confirm this in an E-mail to the Technical Monitor with a copy to the Project Officer and include the date and manner is which the documents were destroyed.**

NOTE: The Technical Monitor is responsible for ensuring appropriate distribution. For example, a copy may have to be sent to the Document Control Desk for incorporation into ADAMS, unless it contains information exempted from public disclosure.

Presentation or publication in the open literature of papers or data based on reports already approved by the NRC for publication as final reports do not require NRC approval. Conversely, the NRC must approve any document containing predicisional or draft material before it may be released. Management Directive 3.8 (formerly NRC Manual Chapter 3202) provides further information. Requests for NRC approval of such reports are to be forwarded to the project manager for coordination and NRC approval.

MEETINGS AND TRAVEL

For any required travel, state the expected number of contractor trips, the destinations and durations (number of days), and how many people are expected to travel. Any foreign travel requirements must be similarly described.

Travel required to perform the work should be stated in the "Work Requirements and Schedule" section of the SOW. The details, however, for budget purposes, are to be provided in this section.

List each trip separately.

If no travel is anticipated or required to accomplish the stated work requirements, state "None" under this paragraph.

NRC-FURNISHED MATERIALS

Specify any reports or other documents, equipment, and other items that the contractor will require to perform the work stated in the "Work Requirements and Schedule" section. State to whom the materials are to be addressed.

NOTE: The first step in process a contract, after the Statement of Work is developed, before the Request for Proposal (RFP) is sent to the contractor, is send to these materials to the contractor.

If no NRC-furnished materials are required, state "None."

OTHER APPLICABLE INFORMATION

License Fee Recovery

State whether the work contained in the SOW is license fee recoverable by completing the following sentence:

The work specified in this SOW is (is not) **license fee recoverable.**

If there is more than one TAC number, indicate how fees should be allocated, e.g., proportionate to the work, equally, or other equation.

Assumptions and Understandings

Specify any other information, understanding(s), or assumptions of which the contractor should be aware for successful performance of work. This is particularly important for the level of effort assumptions. The following are examples:

- The documents provided under NRC Furnished Materials, above, provide more detailed information pertaining to the acoustic circuit analysis which has been utilized by Exelon and Vermont Yankee and provide results of the forcing functions for the steam dryer stress analysis. It is understood that this information is provided merely to facilitate ANL to have a better background information in preparation for the ACRS meetings regarding Vermont Yankee EPU operation; these documents are not intended for review and analysis.

- It is understood that ANL possesses all of the required documents necessary to perform the work.

- For level of effort assumptions:

The estimated level of effort for Task 3 is based on an assumption of six open items requiring follow-up resolution from the initial review of the steam dryer phenomena in addition to the scope which includes review of the RAI responses, preparation of a draft report, assessment of any additional information provided following preparation of the draft report, review and resolution of NRC comments on the draft report, telephone conferences between the NRC Technical Monitor and contractor and preparation of the final report.

The level of effort for Task 1 is based on the volume of materials to be reviewed; this task is for familiarity and not for evaluation.

The level of effort for Task 2 is based on the estimate for initial review of the AP1000 design certification application.

The level of effort for Task 3 is based on the assumption that there will be 30 RAIs and it will take, on the average, 3 hours to review and address each response.

The level of effort for Task 4 is based on the a two-person, five-day trip plus two days to prepare for the trip and to write the report.

The level of effort for Task 5 is based on the confirmatory analysis performed on the AP1000 design certification review plus an additional 11 professional staff days because the added complexity of site conditions.

The level of effort for Task 6 is based on the need to resolve 15 open items and it will take, on the average, 4 hours to review and address each item.

The level of effort for Task 7 is based on a two-person, five-day trip plus five days for preparation, writing of the trip report and updating the technical letter report completed under Task 6.

[redacted]

Assumptions and Understandings (Continued)

For Tasks 1 through 11, it is assumed that each reactor unit will an average of 10 relief requests per submittal/Safety Evaluation Report and, on the average, there will be two sumbittals within the six-year period.

For Tasks 12 through 17, t is assumed that there will be 100 relief request entries per six-month period, i.e., 10 submittals containing 10 relief requests each. Each request is considered a record.

It is understood that National Lab staff will have remote access to ADAMS.

Organizational Conflict of Interest Disclosure

DOE/(or other agency) recognizes that Section 170A of the Atomic Energy Act of 1954, as amended, requires that NRC be provided with disclosures on potential conflicts when NRC obtains technical, consulting, research and other support services. DOE/(or other agency) further recognizes that the assignment of NRC work to DOE Laboratories/(or other agency) must satisfy NRC's conflicts standards. Accordingly, when NRC enters into an agreement with a DOE Laboratory/(or other agency) to perform work for NRC, and during the life of the agreement, the DOE Laboratory/(or other agency) shall review and promptly disclose its current work, planned work and where appropriate, past work for DOE Laboratory/(or other agency) and others (meaning, organizations, in the same/similar technical area as the NRC project scope of work, e.g. (included but not limited to), NRC licensees, vendors, industry groups or research institutes that represent or are substantially comprised of nuclear utilities) for work in the same or similar technical area as the proposed NRC project. Disclosures for current or planned work for DOE Laboratories/(or other agency) or others in the same or similar technical area as the proposed NRC work, are to include (1) the name of organization; (2) dollar value; (3) period of performance of the work identified; and (4) statements of work for the projects. NRC shall then determine whether a conflict would result and, if one does, determine, after consultation with the DOE Laboratory/(or other agency), the appropriate action NRC or the DOE Laboratory/(or other agency) should take to avoid the conflict, or when appropriate under the NRC procedures, waive the conflict.

If the DOE Laboratory/(or other agency) determines there is no applicable work in the same or similar technical area, it should be stated in its proposal.

***NOTE**: For commercial contracts, do not include this section. The Division of Contracts has its own standard COI clause that it uses.*

Attachment 1

Outline, Format and Content of the Task 1
Technical Letter Report and Subsequent Updates of that Report

Introduction

‹Provide a description of the development history, a description of the ESBWR structures, systems and components, and how the staff performs its review. Some wording in the "Background" section can be used.›

Summary of Work Performed

For each Sub-section, provide a brief summary of the applicant's position in meeting the requirements, a brief discussion of documents reviewed, a brief summary of the staff's review approach to include any pertinent audit and confirmatory analysis performed, results of evaluation and findings along with the bases. Any need for additional or clarifying information will be noted in the paragraph and a separate list will be prepared; the basis (bases) for the RAI needs to be clearly articulated under each items on the list.

Evaluation

3.7.1 Seismic Design Parameters
3.7.1.1 Design Ground Motions
3.7.1.2 Percentage of Critical Damping Values
3.7.1.3 Supporting Media for Category I Structures
3.7.1.4 Resolution of Outstanding Issues and RAIs
3.7.1.5 Conclusions

3.7.2 Seismic System Analysis
3.7.2.1 Seismic Analysis Methods
3.7.2.2 Natural frequencies and Responses
3.7.2.3 Procedures Used for Analytical Modeling
3.7.2.4 Soil-Structure Interaction
3.7.2.5 Development of Floor Response Spectra
3.7.2.6 Three Components of Earthquake Motion
3.7.2.7 Combination of Modal Responses
3.7.2.8 Interaction of non-Category I Structures With Seismic Category I Structures
3.7.2.9 Effects of Parameter Variations on Floor Response Spectra
3.7.2.10 Use of Equivalent Vertical Static Factors
3.7.2.11 Method Used to Account for Torsional Effects
3.7.2.12 Comparison of Responses
3.7.2.13 Analysis Procedure for Damping
3.7.2.14 Determination of Seismic category I Structure Overturning Moments
3.7.2.15 Resolution of Outstanding Issues and RAIs
3.7.2.16 Conclusions

Outline, Format and Content of the Task 1
Technical Letter Report and Subsequent Updates of that Report

(Continued)

3.7.3 Seismic Subsystem Analysis
3.7.3.1 Seismic Analysis Methods
3.7.3.2 Determination of Number of Earthquake Cycles
3.7.3.3 Procedures Used for Analytical Modeling
3.7.3.4 Basis for Selection of Frequencies
3.7.3.5 Analysis Procedure for Damping
3.7.3.6 Three Components of Earthquake Motion
3.7.3.7 Combination of Modal Responses
3.7.3.8 Interaction of Other Systems with Seismic Category I Systems
3.7.3.9 Multiply-Supported Equipment and Components with Distinct Input
3.7.3.10 Use of Equivalent Vertical Static Factors
3.7.3.11 Torsional Effects of Eccentric Masses
3.7.3.12 Effect of Differential Building Movements
3.7.3.13 Seismic Category I Buried Piping, Conduits and Tunnels
3.7.3.14 Methods for Seismic Analysis of Seismic Category I Concrete Dams
3.7.3.15 Methods for Seismic Analysis of Above-Ground Tanks
3.7.3.16 Design of Small Branch and Small Bore Piping
3.7.3.17 Interaction of Other Piping with Seismic Category I Piping
3.7.3.18 Resolution of Outstanding Issues and RAIs
3.7.3.19 Conclusions

Attachment 2

Outline and Format of the Confirmatory Analysis Report

1.0 Scope and Purpose of Confirmatory Analyses

‹Discuss the adequacy of analysis approach (assumptions, analysis methods, soil foundation data, modeling of soil foundations, etc.) Describe how many site conditions are selected (including basis for the site selection) and how the analyses are performed.›

2.0 Description of GE's Seismic Models of Seismic Category I Structures

3.0 Modeling of Soil Foundation

4.0 Combined Model of Structural Model and Soil Foundation

5.0 Seismic Analyses and Summary of Analysis Results

6.0 Comparison of Confirmatory Analysis Results with the Results by GE

7.0 Summary and Conclusions

From: Ash, Darren
To: Pederson, Cynthia; Tallarico, Alison; Evans, Michele; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Satorius, Mark
Subject: Re: Action: ERB Items for Review
Date: Wednesday, March 16, 2011 5:51:28 PM

(b)(5)

From: Pederson, Cynthia
To: Tallarico, Alison; Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Satorius, Mark

Sent: Wed Mar 16 16:46:53 2011
Subject: Re: Action: ERB Items for Review

(b)(5)

(sent from Blackberry device)

From: Tallarico, Alison
To: Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Pederson, Cynthia; Satorius, Mark; Schaeffer, James; Sheron, Brian; Tallarico, Alison; Tracy, Glenn; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wert, Leonard; Wiggins, Jim
Sent: Wed Mar 16 16:28:20 2011
Subject: Action: ERB Items for Review

~~For your eyes only~~

TO ERB Members

(b)(5),(b)(6)

(b)(5),(b)(6)

Thanks
Alison Tallarico (for Johanna Gallagher)
301-492-2326

From: Moore, Scott
To: Tallarico, Alison; Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Muessle, Mary; Pederson, Cynthia; Satorius, Mark; Schaeffer, James; Sheron, Brian; Tracy, Glenn; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wert, Leonard; Wiggins, Jim
Subject: Response: ERB Items for Review
Date: Wednesday, March 16, 2011 6:02:56 PM

(b)(5)

From: Tallarico, Alison
Sent: Wednesday, March 16, 2011 4:28 PM
To: Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Pederson, Cynthia; Satorius, Mark; Schaeffer, James; Sheron, Brian; Tallarico, Alison; Tracy, Glenn; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wert, Leonard; Wiggins, Jim
Subject: Action: ERB Items for Review

****For your eyes only****

TO ERB Members

We are sharing the following items for ERB review and information because the ERB is not scheduled to meet this week:

(b)(5),(b)(6)

(b)(5),(b)(6)

Thanks
Alison Tallarico (for Johanna Gallagher)
301-492-2326

From: Trapp, James
To: Padilla, William
Subject: Re: GETS Card
Date: Wednesday, March 16, 2011 6:29:10 PM

I have always had a GETS card - I gave it back. Thanks

From: Padilla, William
To: Trapp, James
Cc: Rich, Thomas; Paradiso, Karen; Bell, Marvin; Mobley, Helen; Lopez, George; Bearde, Diane
Sent: Wed Mar 16 11:30:06 2011
Subject: GETS Card

Mr. Trapp,

Attached is an e-copy of your GETS card with basic dialing instructions. More detailed documentation can be found at http://gets.ncs.gov/docs/GETS%20Wallet%20Guide%201-09.pdf and http://gets.ncs.gov/docs/GETS%20User%20Guide%201-09.pdf. Your card number is: (b)(6) (b)(6)

If you need further assistance, let me know.

Regards,
Bill

William Padilla Jr.
Telecommunications Specialist
OIS/ICOD/COTB - Telecommunications Team
Mailstop: T-5D14
Tel: 301-415-7250
BB: (b)(6)
Fax: 301-415-5077
email: William.Padilla@nrc.gov

U.S.NRC
Protecting People and the Environment

From: Ash, Darren
To: Muessle, Mary; Taylor, Renee; Borchardt, Bill
Subject: Fw: REQUESTED ACTION: DHS/NSCD - CLASSIFIED BRIEF
Date: Wednesday, March 16, 2011 4:46:43 PM
Importance: High

Hi,
I plan to attend this briefing with Paul Ricketts. Given the timing (tomorrow), I felt I should be there.
Darren

From: McAfee, Sean M <Sean.M.Mcafee@dhs.gov>
To: Spires, Richard <Richard.Spires@dhs.gov>; West, Robert <Robert.West@dhs.gov>; sszykman@doc.gov <sszykman@doc.gov>; eneal@doc.gov <eneal@doc.gov>; (b)(6) (b)(6) michael.locatis@hq.doe.gov <michael.locatis@hq.doe.gov>; Woods, Collis (OCIO) <Collis.Woods@hq.doe.gov>; Mazer, Bernard <Bernard_Mazer@ios.doi.gov>; Ruffin, Lawrence K <Lawrence_Ruffin@ios.doi.gov>; Vance.Hitch@usdoj.gov <Vance.Hitch@usdoj.gov>; kevin.deeley@usdoj.gov <kevin.deeley@usdoj.gov>; Kerr.Michael@dol.gov <Kerr.Michael@dol.gov>; Manning, Tonya - OASAM <Manning.Tonya@dol.gov>; Swart, Susan H <SwartSH@state.gov>; Streufert, John <streufertj@state.gov>; Harris, Danny <Danny.Harris@ed.gov>; Iversen, Michele <Michele.Iversen@ed.gov>; Jackson.Malcolm@epa.gov <Jackson.Malcolm@epa.gov>; mckinney.robert@epamail.epa.gov <mckinney.robert@epamail.epa.gov>; casey.coleman@gsa.gov <casey.coleman@gsa.gov>; kurt.garbars@gsa.gov <kurt.garbars@gsa.gov>; Williams, Jerry E <Jerry.E.Williams@hud.gov>; Carleton, Michael (HHS/ASA) <Michael.Carleton@hhs.gov>; Galik, Daniel <daniel.galik@hhs.gov>; Cody, Marian P <Marian.P.Cody@hud.gov>; Burks, Valarie <Valarie.Burks@ocio.usda.gov>; Cureton, Linda Y. (HQ-JA000) <linda.y.cureton@nasa.gov>; Ash, Darren; Howard, Patrick; anorris@nsf.gov <anorris@nsf.gov>; dhofherr@nsf.gov <dhofherr@nsf.gov>; cio@opm.gov <cio@opm.gov>; Andy.newton@opm.gov <Andy.newton@opm.gov>; Christy, Paul T. <Paul.Christy@sba.gov>; janelle.devore@sba.gov <janelle.devore@sba.gov>; Baitman, Frank <Frank.Baitman@ssa.gov>; Flick, Brad <Brad.Flick@ssa.gov>; diane.litman@do.treas.gov <diane.litman@do.treas.gov>; Edward.Roback@do.treas.gov <Edward.Roback@do.treas.gov>; cio-usaid@usaid.gov <cio-usaid@usaid.gov>; Mahanand, Jay (M/CIO) <jmahanand@usaid.gov>; chris.l.smith@usda.gov <chris.l.smith@usda.gov>; charles.mcclam@usda.gov <charles.mcclam@usda.gov>; Nitin.Pradhan@dot.gov <Nitin.Pradhan@dot.gov>; Orndorff, Andrew (OST) <Andrew.Orndorff@dot.gov>; Baker, Roger (EX) <Roger.Baker2@va.gov>; Doherty, Jaren (SES) <Jaren.Doherty@va.gov>
Cc: Coose, Matt <Matt.Coose@dhs.gov>; Manson, Antione <Antione.Manson@dhs.gov>; McGurk, Sean P <Sean.Mcgurk@dhs.gov>; Vickers, Randal <Randal.Vickers@dhs.gov>; Harris, Richard <Richard.Harris1@dhs.gov>; Saunders, Jack <Jack.Saunders@dhs.gov>; Albritten, Algen <Algen.Albritten@dhs.gov>; Perry, Pamela (CTR) <Pamela.Perry@associates.dhs.gov>; McAfee, Sean M <Sean.M.Mcafee@dhs.gov>; Beggs, Patrick T <Patrick.Beggs@dhs.gov>
Sent: Wed Mar 16 16:24:56 2011
Subject: REQUESTED ACTION: DHS/NSCD - CLASSIFIED BRIEF

Greetings,

Your attendance has been requested to attend a CLASSIFIED briefing at DHS/NCSD on Thursday, March 17th (tomorrow) from 3:00 – 5:00PM. The participation of the Department/Agency CIO and CISO is requested for this briefing. We can accept no more than two representatives per Department/Agency. At a minimum, each participant must be cleared at SECRET [NOFORN]. Once the representative(s) are identified, please confirm attendance by responding to Sean McAfee via email at sean.mcafee@hq.dhs.gov. Mr. McAfee can also be reached at 703.235.5818.

It is imperative that each representative's security information is faxed by your SSO to the DHS

Security Team (ATTN: Jack Saunders and Algen Albritten) at 703.235.5150 (fax) by COB (3/16).

Please review the below information.

Meeting Logistics:

- **STEP 1:** Security Clearance Information:

  (b)(5),(b)(7)(E),(b)(7)(F)

- **STEP 2:** Building Access:

  (b)(5),(b)(7)(E),(b)(7)(F)

- Building Location:
  - 1110 N. Glebe Road, Arlington, VA 22201
- Check-in 7th Floor:
  - Take lobby elevator to 7th floor for security check-in
- Meeting Location:
  - Glebe, 9th Floor (948)
- Meeting Time:
  - 3:00PM – 5:00PM
- Parking:
  - Parking garages are located below 1110 N. Glebe Road and directly across the street from Booeymonger's Restaurant.
  - Parking cost range from $7 - $10
- Metro:
  - Ballston Metro Stop (Orange Line)
  - The building location is four blocks from the metro (5 minute walk)

If you have any questions, please contact our office at your earliest convenience. The CIO/CISO can expect a phone call following this email from Matt Coose or NCSD Rep.

Thanks,

Matthew D. Coose
Director, Federal Network Security
National Cyber Security Division
Department of Homeland Security
703-235-5888 (W)

From:	Silk, Anne
To:	Givvines, Mary; Wilson, George; Pittiglio, Clayton; Schneider, Stewart; Dusaniwskyj, Michael; Dorsey, Cynthia; Dittman, Bernard; Mayhew, Sharon; Brown, Rohn; Creedon, Meghan
Cc:	Hiland, Patrick; Giitter, Joseph; Kipfer, Lorna; Simpson, JoAnn
Subject:	ACTION: March 16, 2011 Labor Management Partnership Committee Summary for Review
Date:	Tuesday, March 22, 2011 4:54:16 PM
Attachments:	3 16 11 Summary.docx

Everyone,

For those of you who attended, here is the LMPC meeting summary from March 16th.

Please review and provide any comments to me by **COB Friday, March 25th.**

Thanks,
Anne

Labor Management Partnership Committee Meeting
Office of Nuclear Reactor Regulation
Meeting Summary
March 16, 2011
O-13B04, 10:30 A.M.

Attendees
Management Members:
Mary Givvines
George Wilson

Labor Members:
Larry Pittiglio
Stewart Schneider
Michael Dusaniwskyj
Cynthia Dorsey
Bernard Dittman

Office of Human Resources:
Sharon Mayhew

Summary Recorder:
Anne Silk

Other Attendees:
Rohn Brown
Michael Cheok
Meghan Creedon

Potential New Member of the NRR Labor Management Partnership Committee – Larry Pittiglio introduced Meghan Creedon (DPR/PRLB) who has been invited to attend the next few meetings to see if she is interested in becoming a member of the Partnership.

February Meeting Summary –The February meeting summary was reviewed with no additional updates. The summary has been posted on the NRR website.

Status of February Action Items – There were no action items from the February meeting.

Fixed Telework and Project-based Telework Requests – The following information was reported as of March 16, 2011: total number of fixed telework participants is 177 = 30.8% (increase of 3 participants or .8% from the figures reported in February). The total number of project-based telework requests is 245 = 42.7% (increase of 32 participants or 5.9% from the figures reported in February). The reason for such a significant increase in the number of project-based telework requests was due to the

fact that one division had not been accurately reporting their number; this month's total number reflects that adjustment.

Pre-Decisional NRR Staffing Plan Status Update – Rohn Brown reported on the following pre-decisional staffing plan changes:

- The appointment for a rehired annuitant (BU) in DPR is ending April 1, 2011. This position will be removed from the staffing plan immediately following this date
- DSS is creating a simmer hire position (BU) effective May 22, 2011 for a period NTE 89 days.

Brought to the Partnership's attention were the following two actions:

- A GG-7 Administrative Assistant position (BU) was removed from DORL's staffing upon the employee's reassignment (effective February 13, 2011) to DSS. DORL had no plans to back fill this position.
- A DLR employee (BU) was reassigned from one branch to another with a position title and series number change. The previously occupied BU position remains on the DLR staffing plan.

Also noted was one rehired annuitant in DE whose appointment is also ending on April 2, 2011. This position will be removed from the DE staffing plan immediately following this date. NRR/DORL/Watts Bar will receive 1 FTE from NRO to support pre-application work for Bellefonte.

Larry Pittiglio also noted that any decisions not to backfill positions should also be reported.

ACTION ITEM #1: Mary Givvines will communicate the requirement that the LMPC should receive pre-decisional notification of changes to bargaining unit positions in the staffing plan at the next All Supervisors Meeting scheduled for March 30, 2011 and at a future Branch Chief seminar. It is especially important is that this notification take place before the employee is informed of any changes.

ACTION ITEM #2: Larry Pittiglio will assign a POC to review pre-decisional staffing plan changes for those actions that would otherwise be delayed by waiting for the LMPC's review at the next scheduled meeting. Mr. Pittiglio will act as this POC until a replacement is named.

Employee Recognition Award – There was one nomination for the February Employee Recognition Award. The nomination was discussed and the selection was made.

Partnership Roles & Responsibilities – Larry Pittiglio confirmed that originally NRR adopted the ALMPC Guidance to Office and Regional Partnerships (dated March 6, 2002). This guidance has since been updated and is titled "NTEU/NRC Labor-Management Partnership Committee Charter, September 2010."

In addition, the Collective Bargaining Agreement outlines the labor/management agreement. The Partnership does not vote, but rather, reaches a consensus through discussion of any issue brought to their attention. If agreement cannot be reached, the issue can be brought to the ALMPC for resolution. To date, NRR has been not needed to appeal to the ALMPC.

Concerning the conversion of office space, Mr. Pittiglio stated that one management representative and one labor representative, upon agreement from ADM, must agree to the office conversion. If one party disagrees, then the issue is brought to the LMPC for a decision.

ACTION ITEM #3: PMDA will provide NRR's Labor Management Partnership Committee Procedures for the purpose of soliciting comments to update this document.

Note: The April NRR LMPC meeting will be held April 20, 2011, from **10:30 – 11:15 a.m.**, in O-13B04.

From: Weerakkody, Sunil
To: Lee, Samson
Cc: Klein, Alex; Cheok, Michael; Wilson, Peter; Hansell, Samuel; (b)(6)
Subject: a regional inspector interested in moving to DC area
Date: Wednesday, March 16, 2011 4:57:07 PM
Attachments: (b)(6) Resume rev 1.docx

Sam,

(b)(6), an operations inspector who has significant knowledge on safe shutdown systems is looking for an opportunity to move into the DC area . Since 805 has a need in this area, I want to share it with you.

Give me a call if you are interested.

Sunil D. Weerakkody
Deputy Director - DRS (Acting)
NRC - RGN I
Tel: 610-337-5128

(b)(6)

(b)(6)

McKelvey, Harold

From: Collins, Elmo
Sent: Wednesday, March 16, 2011 5:06 PM
To: Leeds, Eric
Cc: Howell, Art
Subject: RE: Called to discuss this am call

Eric

I appreciate your taking the time to call and provide the feedback. It was a little unclear to me what the issue was so I called Josie and discussed it with her. I understand and we should be on the right track. Let me know is you hear differently.

You guys are doing a terrific job!

Elmo

From: Leeds, Eric
Sent: Wednesday, March 16, 2011 4:54 PM
To: Collins, Elmo
Subject: Called to discuss this am call

Elmo –

I wanted to follow-up with you to make sure that I scratch the itch and get the Rgns the info they need. Sorry if I got excited on the phone this am, its been pretty hectic here since before the RIC. Also, I was carrying the water for Charlie Miller and Josie Piccone, so I really don't know any details of what was going on between the RSLOs and Josie's group.

I'll try you again tomorrow!

Eric J. Leeds, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
301-415-1270

Bozin, Sunny

From: Kock, Andrea
Sent: Wednesday, March 16, 2011 5:08 PM
To: Nieh, Ho
Subject: FYI: Information for WCO on nonproliferation
Attachments: Facts on nonproliferation.docx

Ho: as we have discussed, WCO expressed some interest in the agency's involvement in nonproliferation reviews. As you know a petition for rulemaking has been filed to request that the NRC consider nonproliferation in its licensing process. We have had several communications with concerned citizens and members of congress indicating that we look at some aspects of nonproliferation in our licensing process but we do not do a nonproliferation assessment.

(b)(5)

I plan to provide the attached to him during our materials meeting tomorrow. I wanted you to have it for your information.

Andrea Kock
Technical Assistant for Materials
Office of Commissioner Ostendorff
301-415-2896

Facts on NRC's Role in Nonproliferation Assessments

- NRC's licensing reviews do include the security aspects to nonproliferation. This includes a physical and site access security program under 10 CFR Part 73, protection of classified materials, information, and technologies under 10 CFR part 95, and security clearance programs under 10 CFR Part 25.
- (b)(5)
- Domestic production and licensing of sensitive technologies (e.g USEC, Areva) do not involve a proliferation assessment beyond the security requirements in NRC regulations. However, the NRC coordinates with other agencies such as DOE to gain counterintelligence information to inform agency actions. In addition, requests for import of export of material related to enrichment facilities would require approval from the NRC, in coordination with DOE and DOS.
- Previous Commission direction in the area of nonproliferation assessments indicated that non proliferation initiatives were "issues of international policy unrelated to the NRC's licensing criteria"

Assessment:

(b)(5)

Bozin, Sunny

From: Cohen, Miriam
Sent: Wednesday, March 16, 2011 5:10 PM
To: Ostendorff, William
Cc: Zorn, Jason; Nieh, Ho
Subject: RE: Follow up response to Questions Regarding Southern Polytechnic University

Commissioner:

I don't have any current information about this matter. Let me do some digging and get back with you.

thanks.

Miriam

From: Ostendorff, William
Sent: Wednesday, March 16, 2011 4:52 PM
To: Cohen, Miriam
Cc: Zorn, Jason; Nieh, Ho
Subject: FW: Follow up response to Questions Regarding Southern Polytechnic University

Miriam- I heard about this today in an IG briefing and (b)(5) Would like to discuss with you when convenient. WCO

From: Ostendorff, William
Sent: Wednesday, March 16, 2011 4:51 PM
To: McMillan, Joseph
Cc: Bell, Hubert; Lee, David
Subject: RE: Follow up response to Questions Regarding Southern Polytechnic University

Joe-Many thanks for the quick feedback. Greatly appreciated. WCO

From: McMillan, Joseph
Sent: Wednesday, March 16, 2011 4:50 PM
To: Ostendorff, William
Cc: Bell, Hubert; Lee, David
Subject: Follow up response to Questions Regarding Southern Polytechnic University

Commissioner: The following information relates to questions you raised during our briefing:

1) The money for the grants have not been stopped. There were three grants that were academic in nature; Curriculum Development, Scholarships, and Nuclear Crane. The curriculum development and scholarship grants have been expended totaling approximately $600K. There still remains approximately $200K on the nuclear crane grant.

2) The NRC has not engaged the school, its faculty or staff concerning the termination of the Principal Investigator.

3) The grants are all being administered by HR.

Regards,

Joseph A. McMillan
Assistant Inspector General for Investigations Office of the Inspector General Nuclear Regulatory Commission
WP: (301) 415-5929
CP: (b)(6)
Fax: (301) 415-5091

Satorius, Mark

From: Lougheed, Patricia
Sent: Wednesday, March 16, 2011 5:26 PM
To: Orth, Steven; Reynolds, Steven; Pelke, Patricia; Heck, Jared
Cc: Boland, Anne; Satorius, Mark; Summers, Robert
Subject: RE: Copy of VA Physician's Response to Order (IA-09-035)
Attachments: IA-09-035 Response to Order.pdf

For your information, attached is a copy of Kao's response to the Order IA-09-035.

From: Lougheed, Patricia
Sent: Thursday, March 10, 2011 11:33 AM
To: Orth, Steven; Reynolds, Steven; Pelke, Patricia; Heck, Jared
Cc: Boland, Anne; Satorius, Mark; Summers, Robert; Boland, Anne
Subject: Copy of VA Authorized User's Response to Order (IA-10-010)

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(215) 575-2600 · Fax (215) 575-0856

Direct Dial: 215-575- 2768
Email: JLGruenstein@mdwcg.com@mdwcg.com

March 8, 2011

CERTIFIED MAIL RETURN RECEIPT

Roy P. Zimmerman
Director, Office of Enforcement
United States Nuclear Regulatory Commission
Washington, D.C. 20555-001

Re: **In The Matter of Dr. Gary Kao**
IA-09-035

Dear Director Zimmerman:

Enclosed please find the Affidavit of Dr. Gary Kao in Response to Order Prohibiting Involvement in NRC-Licensed Activities.

Thank you.

Very truly yours,

JACK L. GRUENSTEIN

JIG/

Enclosure

cc: Mark Satorius (with enclosure)

RECEIVED MAR 15 2011

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In The Matter of

	)	
	)	
Dr. Gary Kao	)	**IA-09-035**
	)	

AFFIDAVIT OF DR. GARY KAO IN RESPONSE TO ORDER PROHIBITING INVOLVEMENT IN NRC-LICENSED ACTIVITIES

Commonwealth of Pennsylvania	)
	)SS:
County of Philadelphia	)

Before me, the undersigned notary public, this day, personally, appeared Gary Kao, M.D., to me known, who being duly sworn according to law deposes, in response to the Order Prohibiting Involvement in NRC-Licensed Activities, published in the Federal Register on March 2, 2011, that, pursuant to the provisions of 10 C.F.R. § 2.202 (d), he consents to the entry of an Order in substantially the form proposed in the above referenced Order Prohibiting Involvement in NRC-Licensed Activities with respect to all of the actions proposed therein.

GARY KAO, M.D.

Subscribed and sworn to before me this 8th day of March, 2011.

Notary Public

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
ELLEN A. CONLY, Notary Public
City of Philadelphia, Phila. County
My Commission Expires October 11, 2012

From: (b)(6)
To: Narick, Marianne; Heida, Bruce
Cc: Cheok, Michael; Mallory, Rashaunda; (b)(6)
Subject: RE:
Date: Wednesday, March 16, 2011 5:33:39 PM

Marianne,

I had to drop out of the class yesterday ("Negotiating Project Terms and Conditions") due to being on the Reactor Safety Team at the Ops. Center supporting the Japanese situation at Fukushima. I've been on rotation since early Saturday morning. I'll try to reschedule another class.

(b)(6)

From: Narick, Marianne
Sent: Wednesday, March 16, 2011 12:13 PM
To: Heida, Bruce
Cc: Cheok, Michael; Mallory, Rashaunda; (b)(6)
Subject:

Hi Bruce:

I'm writing to ask for your help... There are a couple of TMs in DRA that have not earned their Acquisition Certificate that are on active contracts/agreements at this time. Three sessions have been added to iLearn to occur between now and the end of June, 2011 (deadline for certification). Can you please work with the TMs listed below to ensure their timely registration for the required courses so that they achieve completion of certification requirements by the end of June? I'd really appreciate a confirmation email with registration dates as we are now having to track this.

1) (b)(6) needs workshops 5 and the online Market Research class (now in iLearn); and
2) (b)(6) needs workshops 3, 4, 5, 12 and the online Market Research class;

Thanks,

Marianne Narick
Chief, NRR Contracts Management Branch
US Nuclear Regulatory Commission
301-415-2175

Murphy, Martin

From: Prescott, Paul
Sent: Wednesday, March 16, 2011 5:41 PM
To: Ortega-Luciano, Jonathan
Cc: Murphy, Martin
Subject: RE: ILAC Industry Initiative Status - Meeting availability

Yeah, we'll plan on sending you to this instead of the software issue.

From: Ortega-Luciano, Jonathan
Sent: Wednesday, March 16, 2011 2:14 PM
To: Murphy, Martin
Cc: Prescott, Paul
Subject: FW: ILAC Industry Initiative Status - Meeting availability

Martin,

So far I am planning to attend this meeting on March 31 (if the government is not in shutdown mode) unless you say that there is no need to attend.

jonathan

From: Diaz-Castillo, Yamir
Sent: 3/16/11 2:07 PM
To: Harvey, Mark W
Cc: McIntyre, Richard; Hall, Victor; Ortega-Luciano, Jonathan
Subject: RE: ILAC Industry Initiative Status - Meeting availability

Thanks Mark. I will be doing the presentation on behalf of the NRC.

Also, the NRC will have 4 participants:

Yamir Diaz-Castillo, Richard McIntyre, Victor Hall and Jonathan Ortega-Luciano.

From: Harvey, Mark W [mailto:mark.harvey@unistarnuclear.com]
Sent: Wednesday, March 16, 2011 1:46 PM
To: Pitts Jr, Alfred; Wilfred_LaRochelle@HSBCT.COM; Diaz-Castillo, Yamir; McIntyre, Richard; brianr.johnson@ge.com; mscanlan@tane.toshiba.com; ziesinrf@westinghouse.com; pedro.salas@areva.com; joseph_tapia@mnes-us.com; drsenner@energy-northwest.com; John.Simmons@luminant.com; John Giddens (jmgidden@southernco.com); Smith, Marion; Kerry Rhoads
Cc: BELL, Russ
Subject: ILAC Industry Initiative Status - Meeting availability

Gentlemen,

As many of you are aware, the qualification and use of international calibration and testing laboratories has posed a challenge to the nuclear industry due to issues regarding the ability of individual utilities and suppliers to audit or survey these facilities. NEI has recently been engaged in communication with the NRC, NUPIC, ILAC and NVLAP to help gain a better understanding of our options as an industry; and to establish a means that can be used by all stakeholders to qualify these calibration and testing facilities and/or processes. The first step in this effort is to have a meeting in which we can share ideas and issues.

I have been in contact with representatives of ILAC and NVLAP, and they have generously offered to host a meeting at the NIST office in Gaithersburg, MD on the afternoon of March 31, 2011. At this point we have confirmed representation from the following groups:

- ILAC
- NIST
- NVLAP
- NRC
- NEI
- NUPIC
- NCSLI

It is very important that the concerns of all parties be communicated so we can work towards a solution for the industry. It is imperative that our solution be able to be implemented by both utilities and suppliers. I believe that each person on distribution has some level of interest regarding this issue.

I apologize for the short notice, but it is critical that we begin moving forward on this issue and this is the first opportunity I have had to get the people from ILAC and NVLAP to participate. We are working on a final agenda for the meeting, but at this point I am planning on having the following presentations and discussions:

- ILAC Overview – Peter Unger (ILAC)
- Accrediting Bodies and MRA – Sally Bruce (NVLAP)
- Documentary Standards vs. Regulations, Committee Work for Consensus Standards – Ambler Thompson (NIST)
- NRC Perspective - TBD
- User Challenges – TBD
- Brainstorming Session – Plan Forward (Who? What? When?)

Please provide any recommendations for topics which you feel would be of benefit at this meeting.

I will issue formal invitations to the meeting once I have determined a level of interest from each of you. It may be that the individual listed in the distribution above is not the right representative from your organization. If that is the case, please pass this along to the right person(s).

I need to have a list of people that will be attending this meeting so that I can pass this along to NIST as special arrangements are necessary. Additional information is needed for international attendees, but we can address that after we have determined who plans to attend. Please provide a response regarding your organization's participation no later than Wednesday, March 23, 2011.

Thank you for your support on this issue,

Mark W. Harvey

Senior Project Manager, New Plant Deployment
Nuclear Energy Institute
1776 Eye (I) Street
Suite 400
Washington, DC 20006-3708

(410) 470-5541 (office)
(b)(6) (cell)

From: Franovich, Rani
To: Shoop, Undine
Cc: Cheok, Michael
Subject: RE: Revision ROP
Date: Wednesday, March 16, 2011 5:47:27 PM

Undine, I talked with Ms. (or Dr.?) Perin just a minute ago... she is interested in the industry's safety culture initiative. I gave her your number. She knows that the SCCI process is under my purview and that the industry initiative is yours. She is an acquaintance of Val Barnes'.
Rani

From: Cheok, Michael
Sent: Wednesday, March 16, 2011 4:40 PM
To: Franovich, Rani
Subject: FW: Revision ROP
Importance: High

Rani – I got this message. Looks like you should be the correct person to call this individual back. Thanks

Mike

From: Alexander, Cheryl
Sent: Wednesday, March 16, 2011 4:26 PM
To: Cheok, Michael
Cc: Alexander, Cheryl
Subject: Revision ROP
Importance: High

Good Afternoon, Mike

You were phoned by Constance Perin, with Research MIT; she is seeking information on the ROP, Revision, and would like to be informed of the Pilot Study Report, and put on a list of interested people, she can be reached on (617) 621-1331, and her email address is cope@MIT.edu

She mentioned something about the 1010 RIC Presentation.

Thank you,
Cheryl Alexander-Lewis, Administrative Assistant
Division of Risk Assessment
Office of Nuclear Reactor Regulation
301 415-2873

From:	Santos, Daniel
To:	Hiland, Patrick
Subject:	FW: Coordination of Cyber Security Activities - Draft P.O.P for your review
Date:	Wednesday, March 16, 2011 5:49:22 PM
Attachments:	Cyber POP DRAFT.docx

FYI.

From: Santos, Daniel
Sent: Wednesday, March 16, 2011 3:59 PM
To: Rasmussen, Richard; Jacobson, Jeffrey; Costello, Ralph; Erlanger, Craig; Jackson, Terry; Jung, Ian; Wilson, Jerry; Arndt, Steven; Mossman, Timothy; Zhang, Deanna; Simonds, George; Albert, Ronald; Lee, Eric
Cc: Bergman, Thomas; Dudes, Laura; Tappert, John; Dixon-Herrity, Jennifer; Correia, Richard
Subject: Coordination of Cyber Security Activities - Draft P.O.P for your review

Attached is a draft P.O.P. to support the upcoming meeting with the Office Directors (Mon 3/21 at 10:30am, T6A01) on coordination of agency cyber security activities. I plan to provide the attached document to all meeting participants. Please forward to other interested stakeholders and provide me comments no later than Friday at noon. I will send a revised version this Friday afternoon once I incorporate your comments.

Thanks,

Daniel J. Santos
Senior Technical Advisor - Digital I&C
US Nuclear Regulatory Commission
Office of New Reactors
Division of Engineering
NEW! (301) 415-3974

Coordination of Cyber Security Activities

(b)(5)

KEY MESSAGES

(b)(5)

From:
To:
Subject:
Date: Wednesday, March 16, 2011 8:21:10 PM
Attachments: ATT00002.txt

(b)(6)

(b)(6)

(b)(6)

From: Sheron, Brian
To: Tallarico, Alison; Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Pederson, Cynthia; Satorius, Mark; Schaeffer, James; Tracy, Glenn; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wert, Leonard; Wiggins, Jim
Subject: RE: Action: ERB Items for Review
Date: Wednesday, March 16, 2011 9:15:39 PM

(b)(5)

From: Tallarico, Alison
Sent: Wednesday, March 16, 2011 4:28 PM
To: Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Pederson, Cynthia; Satorius, Mark; Schaeffer, James; Sheron, Brian; Tallarico, Alison; Tracy, Glenn; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wert, Leonard; Wiggins, Jim
Subject: Action: ERB Items for Review

~~For your eyes only~~

TO ERB Members

(b)(5),(b)(6)

(b)(5),(b)(6)

Thanks
Alison Tallarico (for Johanna Gallagher)
301-492-2326

Owen, Lucy

From: NRC Announcement [nrc.announcement@nrc.gov]
Sent: Wednesday, March 16, 2011 9:30 PM
To: NRC Announcement
Subject: Daily: 1 New Item from Wednesday, March 16, 2011

NRC Daily Announcements

Wednesday March 16, 2011 -- Regional Edition

- Employee Resources: 2011 Federal Long Term Care Insurance Program Open Season

Employee Resources: 2011 Federal Long Term Care Insurance Program Open Season

Announcing the 2011 Federal Long Term Care Insurance Program Open Season: April 4 through June 24, 2011.

The Federal Long Term Care Insurance Program (FLTCIP) is conducting an Open Season this spring from
April 4 through June 24, 2011.

What is Long Term Care?

- Long term care is the care you need if you cannot perform activities of daily living (such as bathing and is generally not covered by health insurance, including FEHB or Medicare.
- The FLTCIP can help protect you from the high costs of this care. FLTCIP insurance is comprehensive, covering care provided in a variety of settings, including at home, in an assisted living facility, in a nursing home, and in other settings.
- The FLTCIP provides coverage if you require care in a country outside the United States. Some restrictions apply.

What makes this opportunity so special?
During the FLTCIP Open Season, you can apply using the abbreviated underwriting application (you answer fewer health questions.) This is the first abbreviated underwriting opportunity for new applicants since 2002.

Eligibility
Abbreviated underwriting is available for actively at work Federal and U.S. Postal Service employees (civilian workforce members) and their spouses/same-sex domestic partners and active members of the uniformed services and their spouses who are not currently enrolled in the FLTCIP. Non-enrolled annuitants and other qualified relatives can apply for coverage at any time, but must complete a full underwriting application.

Take action today

- Visit the FLTCIP Wetsite to learn more.
- Have a Certified Long Term Care Insurance Consultant call you.
- Apply now or request a FLTCIP Open Season abbreviated application.*
- Attend an onsite FLTCIP Open Season workshop– check with your Benefits contact to see if

the FLTCIP is conducting workshops in your area.

- Register for the FLTCIP Open Season webinar – **April 27th at 1 p.m. Eastern Time.**

  If you cannot view the live event, you can still view the archived event for 60 days, but you must register before April 5th, 2011.

For more information on the FLTCIP Open Season
Visit the FLTCIP Wetsite or call **1-800-LTC-FEDS** (1-800-582-3337) TTY 1-800-843-3557

For information on the LTC open season please contact the following NRC representatives.

Headquarters	Lisa Williams	301 415-1436
Region I	Riqueza Marziale	610-337-5174
Region II	Shelia Willis	404-997-4844
Region III	Christine Martinez	630-827-9625
Region IV	Sandy Lindsay	817-860-8237

TOP (2011-03-16 00:00:00.0) View item in a new window

The latest Announcements are always on the NRC@WORK Home Page.

Announcements by Date | Announcements by Category

Search Announcements: term term [Go]

Frequently Asked Questions About the NRC Daily Announcements Email

Dean, Bill

From: Dean, Bill
Sent: Wednesday, March 16, 2011 10:23 PM
To: Lew, David
Subject: RE: Action: ERB Items for Review

(b)(5)

From: Lew, David
Sent: Wednesday, March 16, 2011 7:09 PM
To: Dean, Bill
Subject: RE: Action: ERB Items for Review

(b)(5)

From: Dean, Bill
Sent: Wednesday, March 16, 2011 6:39 PM
To: Tallarico, Alison; Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Pederson, Cynthia; Satorius, Mark; Schaeffer, James; Sheron, Brian; Tracy, Glenn; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wert, Leonard; Wiggins, Jim
Subject: RE: Action: ERB Items for Review

(b)(5)

Bill

From: Tallarico, Alison
Sent: Wednesday, March 16, 2011 4:28 PM
To: Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Pederson, Cynthia; Satorius, Mark; Schaeffer, James; Sheron, Brian; Tallarico, Alison; Tracy, Glenn; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wert, Leonard; Wiggins, Jim
Subject: Action: ERB Items for Review

~~**For your eyes only**~~

TO ERB Members

We are sharing the following items for ERB review and information because the ERB is not scheduled to meet this week:

(b)(5),(b)(6)

(b)(5),(b)(6)

Thanks
Alison Tallarico (for Johanna Gallagher)
301-492-2326

Dean, Bill

From: Dean, Bill
Sent: Wednesday, March 16, 2011 10:27 PM
To: Lew, David; Lorson, Raymond; Collins, Daniel
Subject: FW: followup item

From: Zimmerman, Roy
Sent: Wednesday, March 16, 2011 5:57 PM
To: Summers, Robert
Cc: Hilton, Nick; Bowman, Gregory; McConnell, Keith; Miller, Charles; Dean, Bill
Subject: followup item

(b)(5)

From: Virgilio, Martin
To: Tallarico, Alison
Subject: RE: Action: ERB Items for Review
Date: Wednesday, March 16, 2011 10:45:00 PM

Alison

(b)(5)

From: Tallarico, Alison
Sent: Wednesday, March 16, 2011 4:28 PM
To: Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Pederson, Cynthia; Satorius, Mark; Schaeffer, James; Sheron, Brian; Tallarico, Alison; Tracy, Glenn; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wert, Leonard; Wiggins, Jim
Subject: Action: ERB Items for Review

~~**For your eyes only**~~

TO ERB Members

We are sharing the following items for ERB review and information because the ERB is not scheduled to meet this week:

(b)(5),(b)(6)

(b)(5),(b)(6)

Thanks
Alison Tallarico (for Johanna Gallagher)
301-492-2326

From: Burns, Stephen
To: Tallarico, Alison; Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Pederson, Cynthia; Satorius, Mark
Subject: Re: Action: ERB Items for Review
Date: Wednesday, March 16, 2011 11:39:38 PM

(b)(5)

From: Tallarico, Alison
To: Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Pederson, Cynthia; Satorius, Mark; Schaeffer, James; Sheron, Brian; Tallarico, Alison; Tracy, Glenn; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wert, Leonard; Wiggins, Jim
Sent: Wed Mar 16 16:28:20 2011
Subject: Action: ERB Items for Review

~~For your eyes only~~

TO ERB Members

We are sharing the following items for ERB review and information because the ERB is not scheduled to meet this week:

(b)(5),(b)(6)

(b)(5),(b)(6)

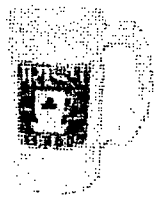
Thanks
Alison Tallarico (for Johanna Gallagher)
301-492-2326

Satorius, Mark

From: Vassos, John
Sent: Thursday, March 17, 2011 3:01 AM
To: All R3 Users
Subject: Coffee any one? EWRA's St. Patrick's Day Coffee and Donuts will be served in the DRP Conference Room this morning starting at 8am
Attachments: March 17 flyer EWRA.pdf; image003.jpg

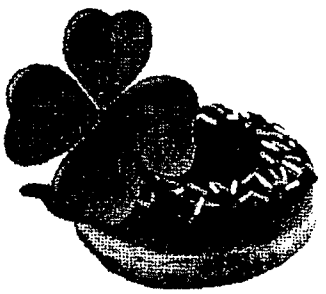
Importance: Low

Come on over to the DRP Conference Room for a cup of Joe and a Donut. Enjoy the sounds of Ireland and the company of your friends!



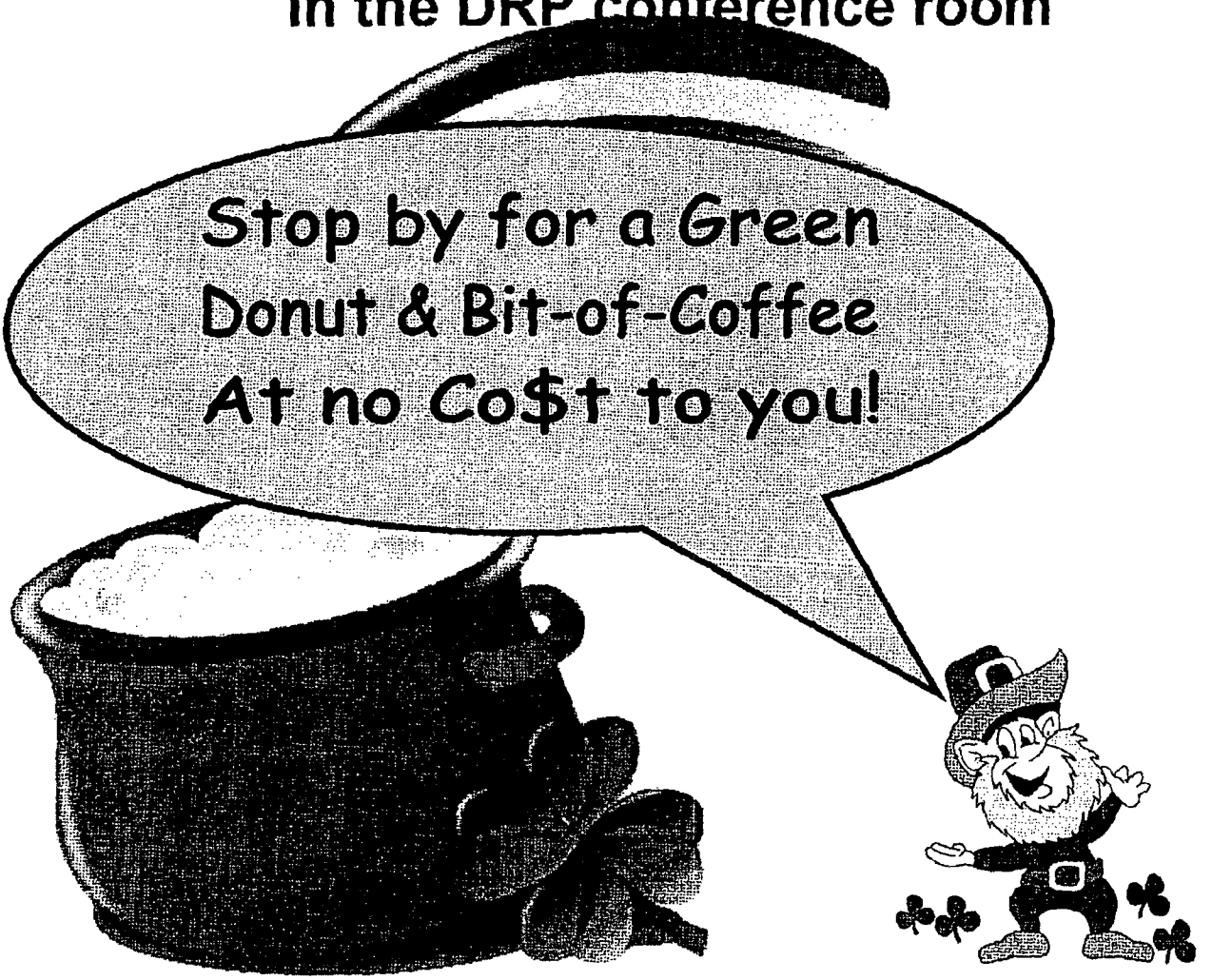
Coffee starts pouring at 8am and will continue until 9am this morning.

Celebrate St. Patrick's Day
The EWRA Way!



March 17, 2011
8:00 a.m. – 9:00 a.m.

Region III's EWRA will be hosting a
Wee St. Patty's Day Celebration
in the DRP conference room



Donations are always appreciated!

Owen, Lucy

From: Etheridge, Peggy
Sent: Thursday, March 17, 2011 5:16 AM
To: Collins, Elmo
Subject: RE: Univ of OK
Attachments: image001.gif

Great, please let me know how it goes, and please send your bio and photo for the website.

Thanks,

Peggy

From: Collins, Elmo
Sent: Wednesday, March 16, 2011 2:41 PM
To: Etheridge, Peggy
Cc: Baquera, Mica
Subject: RE: Univ of OK

Thanks Peggy

With any luck, I am going to conduct a liaison visit in April

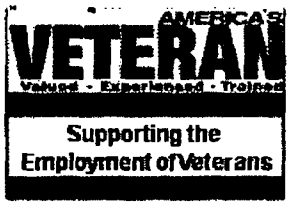
Elmo

From: Etheridge, Peggy
Sent: Wednesday, March 16, 2011 12:25 PM
To: Collins, Elmo
Subject: Univ of OK

Elmo, thanks for accepting the role as university champion for Oklahoma State, since you have served as a University Champion previously you are familiar with the roles and responsibilities. Please have your secretary send me you bio and photo for the UC Website.

Thanks,

Peggy A. Etheridge
U.S. Nuclear Regulatory Commission
Recruitment Program Manager/Selective Placement Coordinator
Office of Human Resources, Outreach and Recruitment Branch
MS: GW-5A06, 11555 Rockville Pike
Rockville, MD 20852
301-492-2212 *(office)*
301-492-2243 *(fax)*
(b)(6) *(BlackBerry)*


AMERICA'S
VETERAN
Supporting the
Employment of Veterans

McKelvey, Harold

From: Collins, Elmo
Sent: Thursday, March 17, 2011 5:41 AM
To: Batkin, Joshua
Subject: Re: Update re: CA trip

Got it
Elmo

----- Original Message -----
From: Batkin, Joshua
To: Powell, Amy; Sosa, Belkys; Collins, Elmo
Cc: Schmidt, Rebecca
Sent: Wed Mar 16 23:43:15 2011
Subject: Re: Update re: CA trip

A will likely have a monday commission meeting

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

----- Original Message -----
From: Powell, Amy
To: Sosa, Belkys; Collins, Elmo
Cc: Batkin, Joshua; Schmidt, Rebecca
Sent: Wed Mar 16 20:20:19 2011
Subject: Update re: CA trip

I spoke briefly with staff to Sen. Feinstein. They are having an office meeting tomorrow to scope out details for her CA trip next week. The only thing that seems solid as this point is travel Monday, site visit(s) Tuesday. Still up in the air is whether one or both CA plants are in play. More tomorrow.

Amy

Amy Powell
Associate Director
Office of Congressional Affairs
U. S. Nuclear Regulatory Commission
Phone: 301-415-1673

Sent from my Blackberry

From:	John.STEIN@oecd.org
To:	john.stein@oecd.org; Haney, Catherine; j.mele@iaea.org; rnunome@numo.or.jp; mcrl@csn.es; gerald.ouzounian@andra.fr; mishiro.masaaki@jaea.go.jp; sten.kjellman@skb.se; marie-claude.dupuis@andra.fr; htanaka@numo.or.jp; hishibashi@numo.or.jp; keiichiro.wakasugi@oecd.org; jp.minon@nirond.be; mtakeuchi@numo.or.jp; monica.hammarstrom@skb.se; Smith, Shawn; wakasugi-keiichiro@jnes.go.jp; kshaver@nwmo.ca; uichiro.yoshimura@oecd.org; claudio.pescatore@oecd.org; hans.riotte@oecd.org; anne.claudel@nagra.ch
Subject:	Documents for the ICGR-2011 PC meeting on 21 March in Issy les Moulineaux
Date:	Thursday, March 17, 2011 5:49:44 AM
Attachments:	Decisions and Action List (Progress since Yokohama Mtg) for distribution.docx ICGR2011(6th PC for distribution in advance) for distribution.ppt Logistics (rev1) for distribution.pptx registered on 17 March.pdf

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MESSAGE SENT ON BEHALF OF CLAUDIO PESCATORE

Dear Colleagues,

Attached please find three documents for the meeting on Monday at NEA premises in Issy les Moulineaux. We would like to ask you to bring copies of the documents to the meeting.

Please also confirm to john.stein@oecd.org if you are planning on attending the meeting. For security reasons, only registered participants can be issued a badge to enter the premises.

Kind regards on behalf of the Programme Committee Chair and the NEA Secretariat.

Claudio Pescatore

John Stein - OECD Nuclear Energy Agency (NEA)
Radiation Protection and Radioactive Waste Management Division
Mailing address: 2 rue André-Pascal, 75775 Paris Cedex 16, France
Office address: Le Seine Saint-Germain, 12 Boulevard des Iles, 92130 Issy-les-Moulineaux, France
Email: john.stein@oecd.org / Tel: +33 (0)1 45 24 10 41 / Fax: +33 (0)1 44 30 61 11
Update your bookmarks!
On 1 December 2010, the NEA is moving to:
www.oecd-nea.org

Best Wishes for 2011! / Meilleurs voeux pour 2011 !

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NUMO
Nuclear Waste Management Organization of Japan

ICGR 2011 in YOKOHAMA

Logistics Plan

6th Programme Committee Meeting

March 21, 2011
Paris, France

Registration / Accommodation

Registration fee: (On-line R/A will be started around April)

- Before July 31: **JPY 60,000**
- After August 1: **JPY 70,000**

It covers:

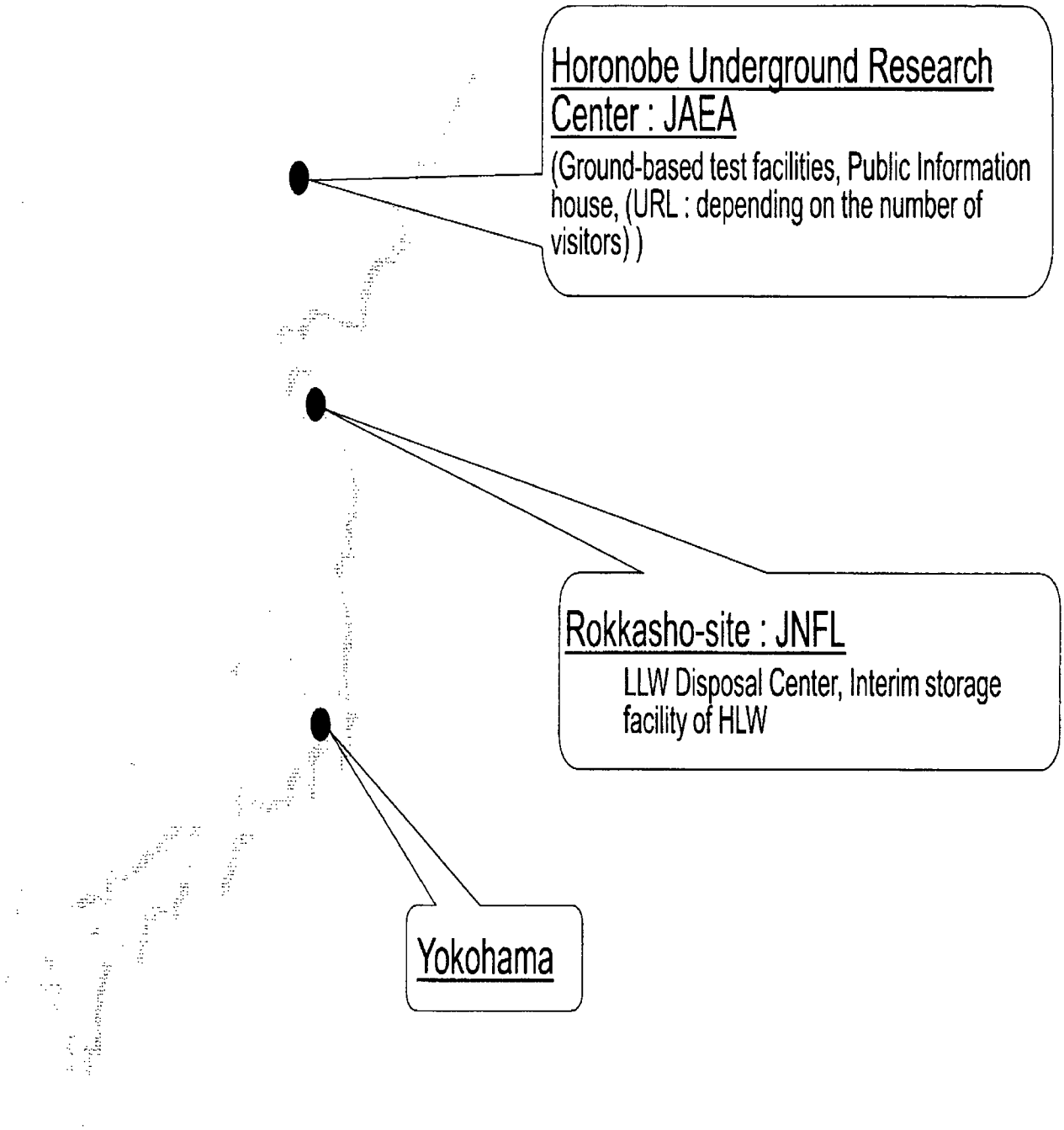
- welcome reception, conference dinner, two lunches
- conference pack (abstracts, etc. to be distributed at the conference)
- one copy of the proceedings (to be published in 2012)
- contribution to the conference expenses

Hotel information:

- Pre-booked hotels for participants:
  (within 15 minutes walking form the conference venue)

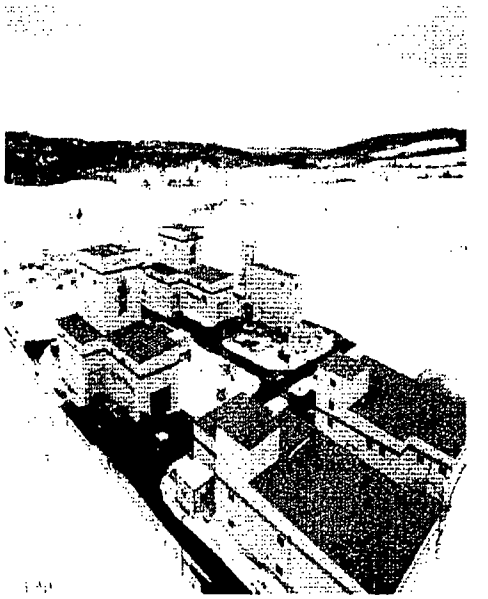
  - Class A: JPY 20,000 / person
  - Class B: JPY 15,000 / person
  - Class C: JPY 10,000 / person

Sites for Study Tours



JAEA Horonobe URL site

URL (under construction),
Surface test & demonstration facilities



- Minimum 10, Max. 20 participants
  (on a first-come-first-served basis)
- Participation fee: JPY 50,000
  (including transportation and accommodation fee, meal)

Oct. 5

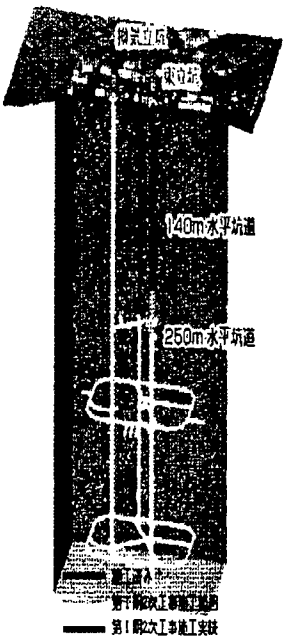
Hotel —Bus→ Haneda Airport —Airplane→ Wakkanai Airport

—Bus→ JAEA Horonobe site —Bus→ Hotel (stay)

Oct. 6

Hotel —Bus→ Wakkanai Airport —Airplane→ Haneda Airport

—Bus→ Hotel

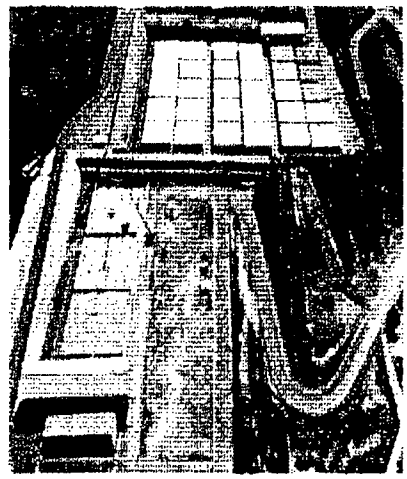


(Re. : JAEA website)

JNFL Rokkasho site

LLW Disposal Center, Interim storage facility of HLW

- Minimum 10, Max. 20 participants
  (on a first-come-first-served basis)
- Participation fee: JPY 30,000
  (including transportation fee and meal)



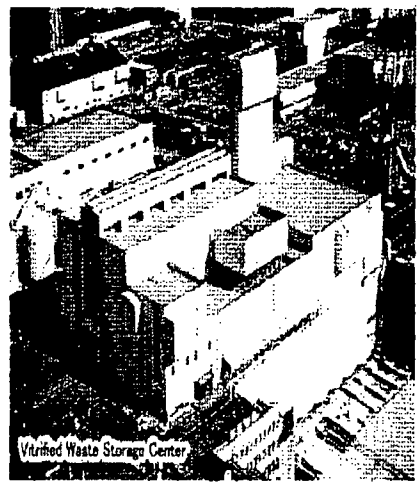
Low-Level Radioactive Waste Disposal Center

Oct. 5

Hotel —Bus→ Haneda Airport —Airplane→ Misawa Airport

—Bus→ JNFL Rokkasho site —Bus→ Misawa Airport

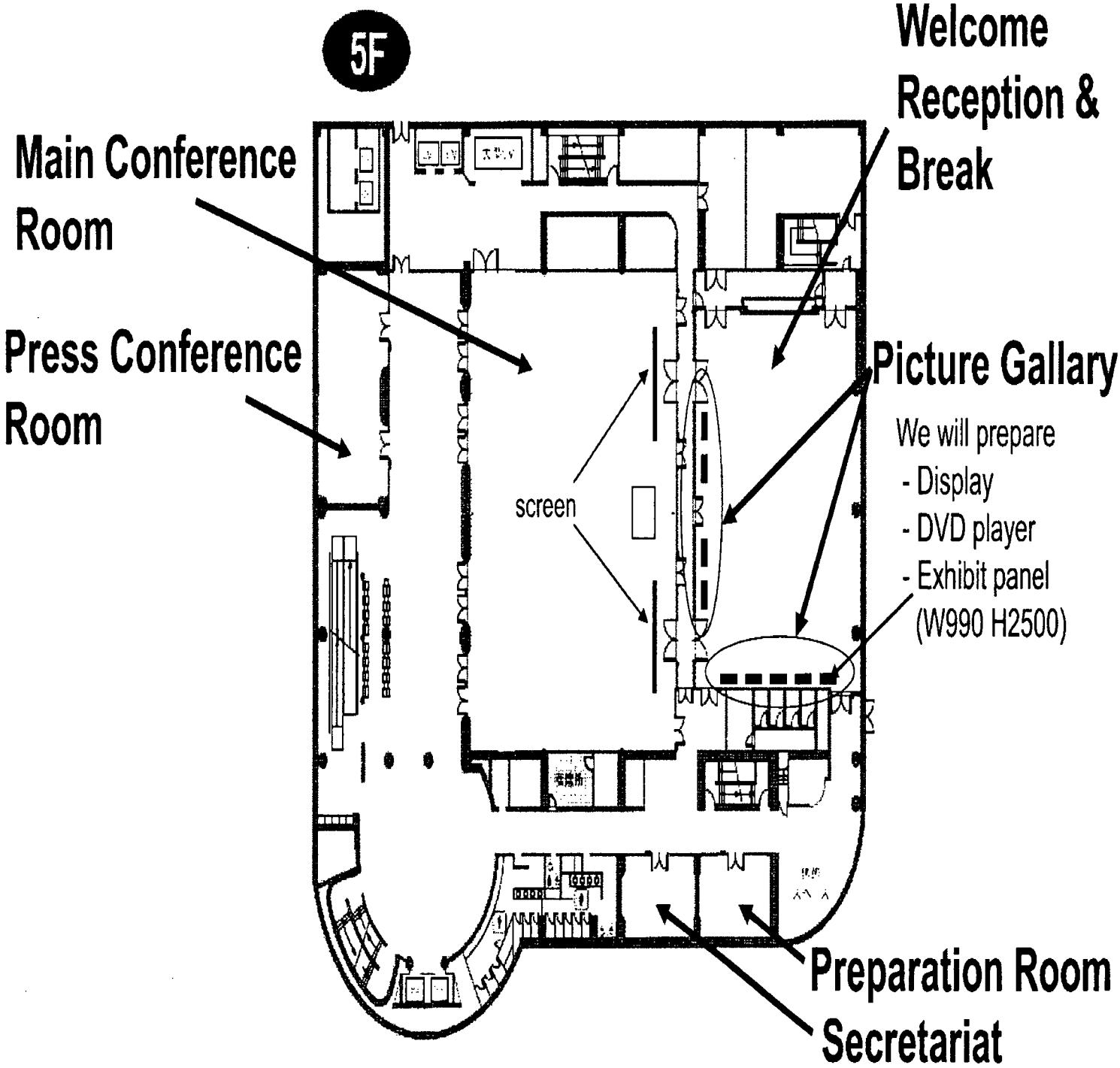
—Airplane→ Haneda Airport —Bus→ Hotel



HLW Storage Center

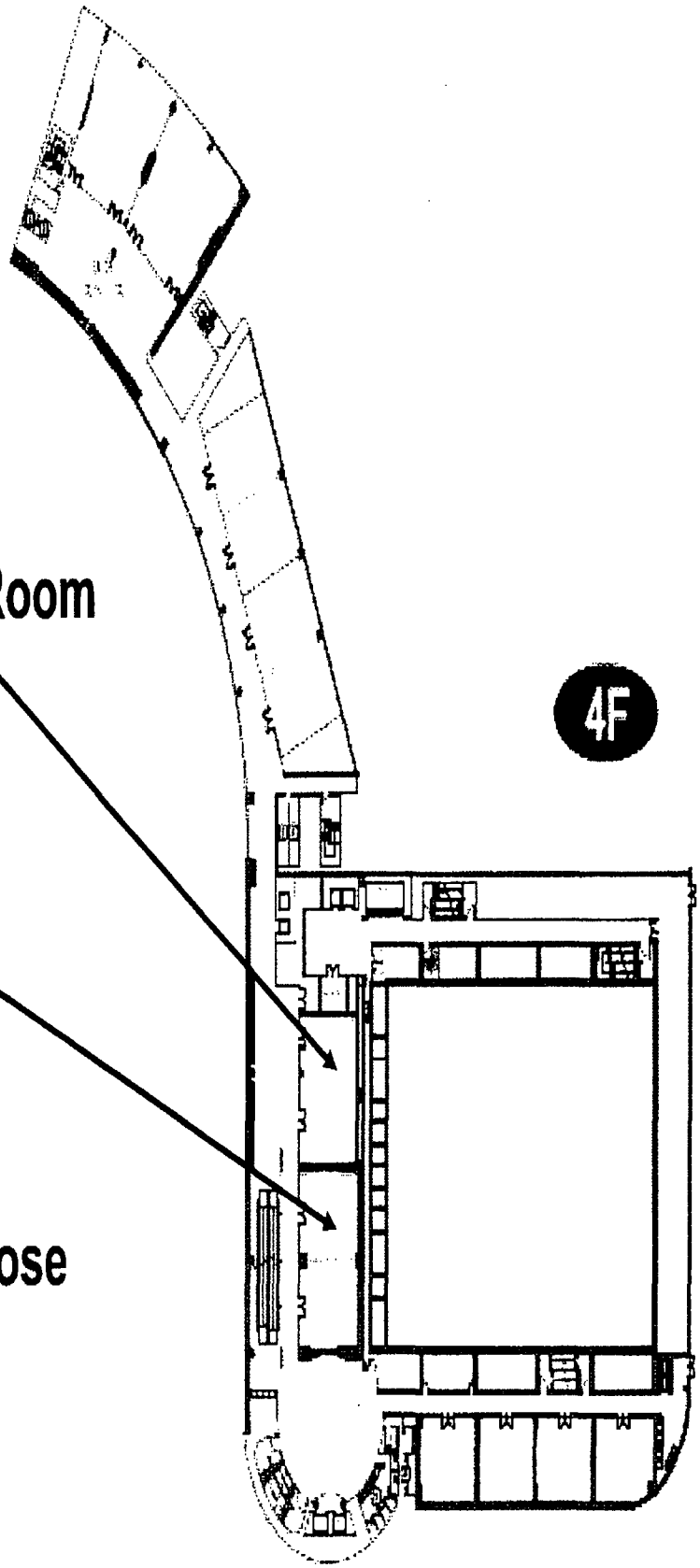
(Re. : JNFL website)

Floor Plan (5F)



Floor Plan (4F)

(All rooms reserved)



Internet Room

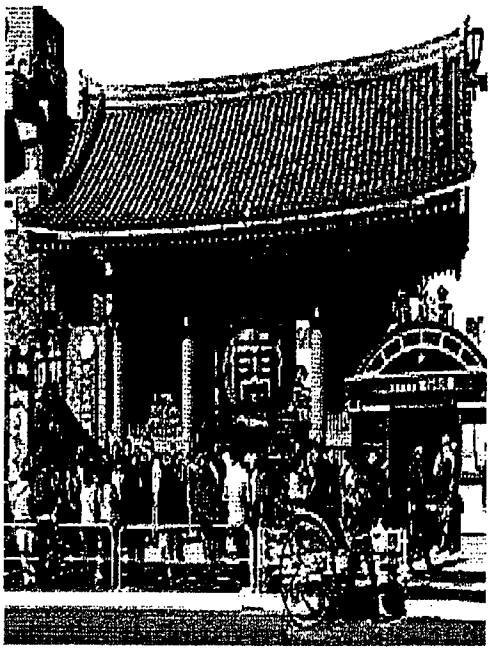
Press Centre

Other rooms : multipurpose

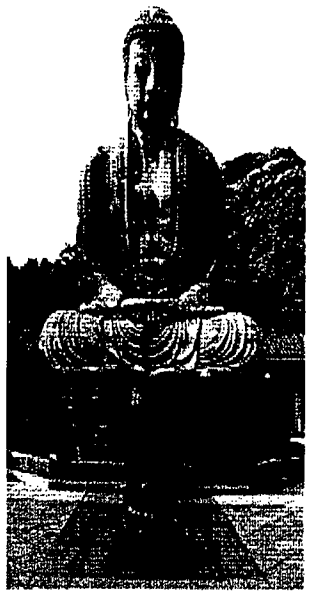
Side Events

Tour for accompanying person will be offered with English-speaking guide.

- Max. 30 participants (on a first-come-first-served basis)
- Participation fee: JPY10,000
- Candidate tour: Sightseeing of Tokyo and / or Historic city of Kamakura



Sensoji Temple, Tokyo



Amida Buddha, Kamakura

OECD

Participants List for ICGR2011 Programme Committee meeting of the Radioactive Waste Management Committee (RWMC) [Internat. Conf. on Geological Repositories]
Liste des Participants pour ICGR2011 Programme Committee meeting of the Radioactive Waste Management Committee (RWMC) [Internat. Conf. on Geological Repositories]

21/3/2011 - 21/3/2011

All Sessions

Canada

Ms. Kathryn SHAVER	*Vice President, Public Engagement and Site Selection* *Nuclear Waste Management Organisation*

Japan/Japon

Mr. Hideo ISHIBASHI	*Executive Director* *International Affairs and Technical Cooperation Department* *Nuclear Waste Management Organizatgion of Japan*

United States/États-Unis

Ms. Catherine HANEY	*Director* *Office of Nuclear Material Safety and Safeguards* *US Nuclear Regulatory Commission*
Shawn SMITH	*Senior International Program Coordinator* *Office of Nuclear Material Safety and Safeguards* *US Nuclear Regulatory Commission*

International Atomic Energy Agency (IAEA)/Agence internationale de l'énergie atomique (AIEA)

Mrs. Irena MELE	*Head, Waste Technology Section* *Division of Nuclear Fuel Cycle & Waste Technology*

OECD/OCDE

Mr. Claudio PESCATORE	*Economist/Policy Analyst* *NEA/PR*
Mr. Keiichiro WAKASUGI	*Consultant* *NEA/PR*

From:	HOO Hoc
To:	HOO Hoc
Subject:	EDO Events Briefing Information for March 17, 2011
Date:	Thursday, March 17, 2011 6:00:30 AM
Attachments:	Non-OUO EDO Brief.pdf OUO EDO Brief.pdf

Good Morning, please see attached.

Regards,

Ryan D. Alexander
Headquarters Operations Officer
U.S. Nuclear Regulatory Commission
Phone: 301-816-5100
Fax: 301-816-5151
E-mail: HOO1@nrc.gov
Secure E-mail: hoo1@nrc.sgov.gov

U.S. Nuclear Regulatory Commission Operations Center

**** Event Summary ****

Date Range: 03/16/2011 - 03/17/2011

46677 **PEACH BOTTOM**

50.72(b)(3)(v)(D) ACCIDENT MITIGATION

3/17/11 - HIGH PRESSURE COOLANT INJECTION DECLARED INOPERABLE - The licensee declared HPCI inoperable for when potential voiding was discovered during surveillance testing. HPCI is available when aligned to its normal suction source (Condensate Storage Tank).

Power Reactor Event # 46677

Site: PEACH BOTTOM		**Notification Date / Time:** 03/17/2011	00:01 (EDT)
Unit: 2 **Region:** 1 **State :** PA		**Event Date / Time:** 03/16/2011	16:47 (EDT)
Reactor Type: [2] GE-4,[3] GE-4		**Last Modification:** 03/17/2011	
Containment Type: MARK I MARK I			

NRC Notified by: CHRIS WEICHLER
HQ Ops Officer: HOWIE CROUCH
Emergency Class: NON EMERGENCY
10 CFR Section:
50.72(b)(3)(v)(D) ACCIDENT MITIGATION

Notifications: DON JACKSON R1DO

Unit	Scram Code	RX Crit	Init Power	Initial RX Mode	Curr Power	Current RX Mode
2	N	Yes	100	Power Operation	100	Power Operation

HIGH PRESSURE COOLANT INJECTION DECLARED INOPERABLE

"On 03/16/11, at 1647 [EST], Peach Bottom Atomic Power Station Unit 2 declared the High Pressure Coolant Injection system inoperable for a condition found during testing which could cause the system to malfunction when swapping suction sources. While lined up to the suppression pool suction flow path, unsatisfactory results were obtained while venting for system fill verification, indicating potential voiding of a portion of the pump discharge piping. Unit 2 HPCI remains available while aligned to its normal suction, the condensate storage tank.

"This report is being submitted pursuant to 10CFR 50.72(b)(3)(v)(D).

"The NRC resident has been informed of this notification."

****

Not For Public Distribution - Summary Information - Power Reactor Status Report for 3/17/2011

Reg	Unit	3/17/2011	3/16/2011	Comments (previous day's comments in *italic*)
1	Calvert Cliffs 2	83%	*56%*	INCREASING POWER 3%/HOUR. *INCREASING POWER 3%/HOUR. HOLDING AT 60%*
1	FitzPatrick	100%	*100%*	MAIN GENERATOR VOLTAGE REGULATOR IN MANUAL
1	Seabrook 1	100%	*100%*	-- *CONTINGENCY TO DOWNPOWER TO 1000MWe IN 25 MIN. IF REQUESTED*
1	Susquehanna 1	99%	*98%*	100% ELECTRICAL CAPABILITY *INCREASING POWER*
1	Susquehanna 2	94%	*94%*	COASTDOWN TO REFUELING. *100% ELECTRICAL CAPABILITY*
2	Crystal River 3	0%	*0%*	MAINTENANCE OUTAGE - CONTAINMENT TENSIONING IN PROGRESS
2	Hatch 2	99%	*99%*	
2	Robinson 2	100%	*95%*	-- *HOLDING POWER FOR SCHEDULED MAINTENANCE*
2	Surry 2	98%	*98%*	100% ELECTRICAL CAPABILITY
3	Clinton	97%	*97%*	100% ELECTRICAL CAPABILITY
3	D.C. Cook 1	0%	*0%*	MAINTENANCE SHUTDOWN TO REPAIR MAIN GENERATOR SEALS
3	Duane Arnold	99%	*99%*	INCREASING POWER
3	Palisades	100%	*52%*	-- *PLANNED CABLE TESTING ON START UP TRANSFORMERS*
4	Diablo Canyon 1	100%	*100%*	MORRO BAY 230 KV LINE MAINTENANCE, LINE OPERABLE W/ COMP. MEASURES --
4	Diablo Canyon 2	100%	*100%*	MORRO BAY 230 KV LINE MAINTENANCE, LINE OPERABLE W/ COMP. MEASURES --
4	Grand Gulf 1	96%	*96%*	POWER LIMITED 2ND STAGE MSR OUT OF SERVICE FOR THE ENTIRE CYCLE
4	Waterford 3	85%	*85%*	ELEVATED VIBRATION ON FEEDWATER PUMP

13 Plants in Refueling Outage

Region 1	Region 2	Region 3	Region 4
Beaver Valley 2 - 3/6/2011 Indian Point 3 - 3/8/2011	Browns Ferry 2 - 2/25/2011 Brunswick 2 - 3/4/2011 McGuire 2 - 2/26/2011 Saint Lucie 2 - 1/2/2011 Vogtle 1 - 3/6/2011	3 Byron 1 - 3/13/2011 3 Kewaunee - 2/26/2011 3 Monticello - 3/4/2011 3 Point Beach 2 - 2/28/2011	Arkansas Nuclear 2 - 2/20/2011 Cooper - 3/12/2011

5 Plants Coasting Down to Outage

Region 1	Region 2	Region 3	Region 4
Limerick 2 - 93% Nine Mile Point 1 - 90% Pilgrim 1 - 95%	Watts Bar 1 - 91%	Perry 1 - 93%	

Security settings or invalid file format do not permit using OUO EDO Brief_1.pdf (22685 Bytes).

From: (b)(6)
To: Grobe, Jack
Subject: (b)(6)
Date: Thursday, March 17, 2011 6:01:39 AM

(b)(6)

(b)(6)

(b)(6)

Bozin, Sunny

From: HOO Hoc
Sent: Thursday, March 17, 2011 6:04 AM
To: HOO Hoc
Subject: Event Notice: 3/17/2011
Attachments: Summary.pdf; Events.pdf; Status.pdf

~~FOR OFFICIAL USE ONLY - LIMITED DISTRIBUTION~~

NOTE:

Adobe Acrobat Reader and a password are required to open the attached Events report. A password has been sent to you by separate notification (emailed to NRC recipients). To open a password protected pdf document, start Adobe Reader and enter the password in lower case when prompted as the document is opened.

Headquarters Operations Officer
U.S. Nuclear Regulatory Commission
Phone: 301-816-5100
Fax: 301-816-5151
email: hoo.hoc@nrc.gov
secure e-mail: hoo1@nrc.sgov.gov

U.S. Nuclear Regulatory Commission Operations Center

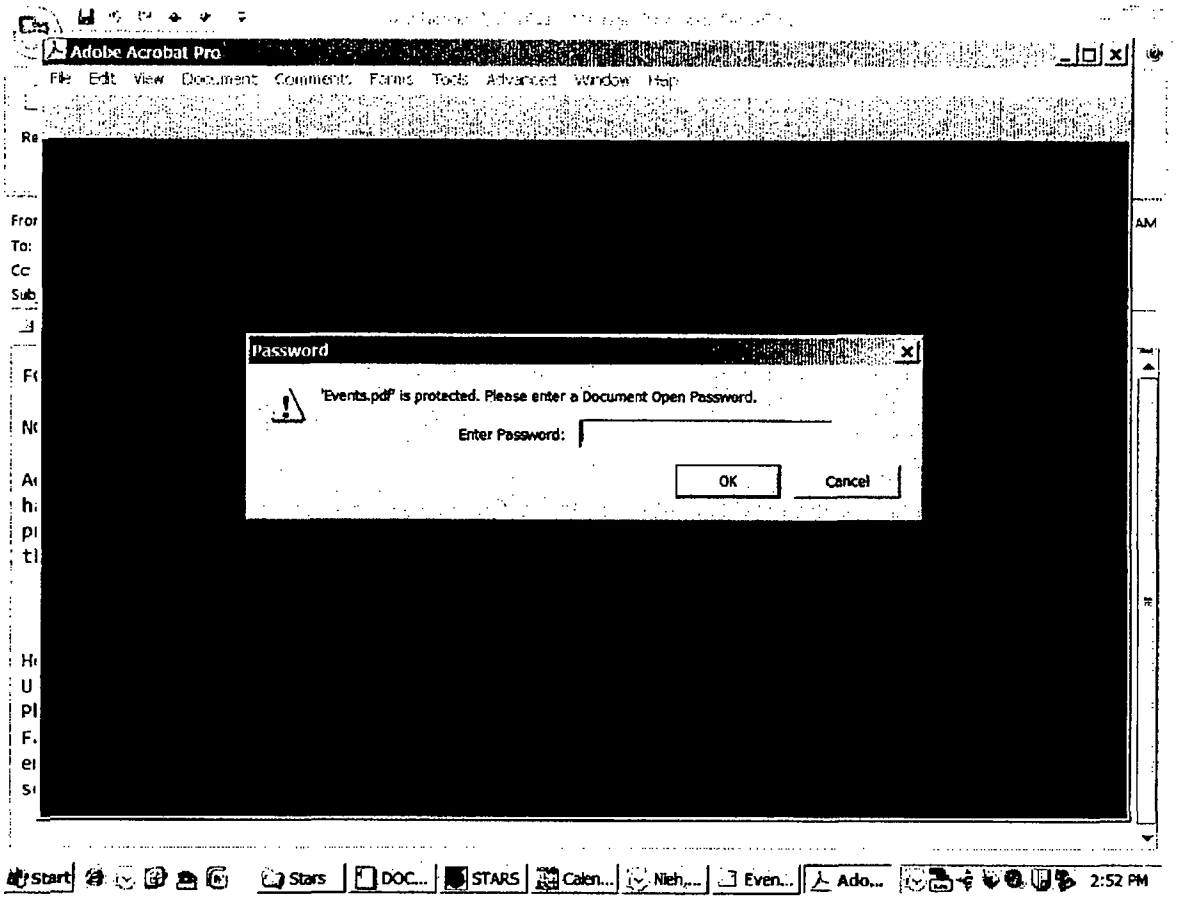
**** Event Summary ****

46665 **UNIVERSITY OF MICHIGAN HOSPITAL**

46672 **NORTH DAKOTA DEPARTMENT OF HEALTH**

46677 **PEACH BOTTOM**

50.72(b)(3)(v)(D) ACCIDENT MITIGATION


Adobe Acrobat Pro
File Edit View Document Comments Forms Tools Advanced Window Help
Password
'Events.pdf' is protected. Please enter a Document Open Password.
Enter Password:
OK
Cancel
Start
Stars
DOC...
STARS
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Even...
Ado...
2:52 PM

NRC Operations Center
Plant Status Report: 03/17/2011
Unevaluated Information Provided by the Facility

Region	*Unit*	*%Pwr*	*Down*	*Comments*	*	#
1	BEAVER VALLEY 1	100				
1	BEAVER VALLEY 2	0	03/06/2011	Refueling REFUELING OUTAGE		
1	CALVERT CLIFFS 1	100				
1	CALVERT CLIFFS 2	83		INCREASING POWER 3%/HOUR.	*	
1	FITZPATRICK 1	100		MAIN GENERATOR VOLTAGE REGULATOR IN MANUAL		
1	GINNA 1	100				
1	HOPE CREEK 1	100				
1	INDIAN POINT 2	100				
1	INDIAN POINT 3	0	03/08/2011	Refueling REFUELING OUTAGE		
1	LIMERICK 1	100				
1	LIMERICK 2	93		COASTDOWN TO REFUELING OUTAGE	*	
1	MILLSTONE 2	100				
1	MILLSTONE 3	100				
1	NINE MILE POINT 1	90		COASTDOWN TO REFUELING OUTAGE		
1	NINE MILE POINT 2	100				
1	OYSTER CREEK 1	100				
1	PEACH BOTTOM 2	100				

NRC Operations Center
Plant Status Report: 03/17/2011
Unevaluated Information Provided by the Facility

Region	*Unit*	*%Pwr*	*Down*	*Comments*	*	#
1	PEACH BOTTOM 3	100				
1	PILGRIM 1	95		COASTDOWN TO REFUELING OUTAGE		
1	SALEM 1	100				
1	SALEM 2	100				
1	SEABROOK 1	100			*	
1	SUSQUEHANNA 1	99		100% ELECTRICAL CAPABILITY	*	
1	SUSQUEHANNA 2	94		COASTDOWN TO REFUELING.	*	
1	THREE MILE ISLAND 1	100				
1	VERMONT YANKEE 1	100				

* - Reason or comment has been changed in past 24 hours
# - Number of reactor scrams within the past 24 hours

Note: Reactor status data collected between 4 AM and 8 AM daily. All times are based on Eastern times(ET)

NRC Operations Center
Plant Status Report: 03/17/2011
Unevaluated Information Provided by the Facility

Region	*Unit*	*%Pwr*	*Down*	*Comments*	*	#
2	BROWNS FERRY 1	100				
2	BROWNS FERRY 2	0	02/25/2011	Refueling REFUELING OUTAGE		
2	BROWNS FERRY 3	100				
2	BRUNSWICK 1	100				
2	BRUNSWICK 2	0	03/04/2011	Refueling REFUELING OUTAGE		
2	CATAWBA 1	100				
2	CATAWBA 2	100				
2	CRYSTAL RIVER 3	0	09/25/2009	Cold Shutdown MAINTENANCE OUTAGE - CONTAINMENT TENSIONING IN PROGRESS		
2	FARLEY 1	100				
2	FARLEY 2	100				
2	HARRIS 1	100				
2	HATCH 1	100				
2	HATCH 2	99				
2	MCGUIRE 1	100				
2	MCGUIRE 2	0	02/26/2011	Refueling REFUELING OUTAGE		
2	NORTH ANNA 1	100				
2	NORTH ANNA 2	100				

NRC Operations Center
Plant Status Report: 03/17/2011
Unevaluated Information Provided by the Facility

Region	*Unit*	*%Pwr*	*Down*	*Comments*	*	#
2	OCONEE 1	100				
2	OCONEE 2	100				
2	OCONEE 3	100				
2	ROBINSON 2	100			*	
2	SAINT LUCIE 1	100				
2	SAINT LUCIE 2	0	01/02/2011	Refueling REFUELING OUTAGE		
2	SEQUOYAH 1	100				
2	SEQUOYAH 2	100				
2	SUMMER 1	100				
2	SURRY 1	100				
2	SURRY 2	98		100% ELECTRICAL CAPABILITY		
2	TURKEY POINT 3	100				
2	TURKEY POINT 4	100				
2	VOGTLE 1	0	03/06/2011	Refueling REFUELING OUTAGE		
2	VOGTLE 2	100				
2	WATTS BAR 1	91		COASTDOWN TO REFUELING OUTAGE	*	

* - Reason or comment has been changed in past 24 hours
\# - Number of reactor scrams within the past 24 hours

Note: Reactor status data collected between 4 AM and 8 AM daily. All times are based on Eastern times(ET)

NRC Operations Center
Plant Status Report: 03/17/2011
Unevaluated Information Provided by the Facility

Region	*Unit*	*%Pwr*	*Down*	*Comments*	*	#
3	BRAIDWOOD 1	100				
3	BRAIDWOOD 2	100				
3	BYRON 1	0	03/13/2011	Refueling REFUELING OUTAGE		
3	BYRON 2	100				
3	CLINTON 1	97		100% ELECTRICAL CAPABILITY		
3	COOK 1	0	03/11/2011	Hot Standby MAINTENANCE SHUTDOWN TO REPAIR MAIN GENERATOR SEALS		
3	COOK 2	100				
3	DAVIS BESSE 1	100				
3	DRESDEN 2	100				
3	DRESDEN 3	100				
3	DUANE ARNOLD 1	99		INCREASING POWER		
3	FERMI 2	100				
3	KEWAUNEE 1	0	02/26/2011	Cold Shutdown REFUELING OUTAGE	*	
3	LASALLE 1	100				
3	LASALLE 2	100				
3	MONTICELLO 1	0	03/04/2011	Refueling REFUELING OUTAGE		
3	PALISADES 1	100			*	

NRC Operations Center
Plant Status Report: 03/17/2011
Unevaluated Information Provided by the Facility

Region	*Unit*	*%Pwr*	*Down*	*Comments*	*	#
3	PERRY 1	93		COASTDOWN TO REFUELING OUTAGE	*	
3	POINT BEACH 1	100				
3	POINT BEACH 2	0	02/28/2011	Refueling DEFUELED		
3	PRAIRIE ISLAND 1	100				
3	PRAIRIE ISLAND 2	100				
3	QUAD CITIES 1	100				
3	QUAD CITIES 2	100				

* - Reason or comment has been changed in past 24 hours
# - Number of reactor scrams within the past 24 hours

Note: Reactor status data collected between 4 AM and 8 AM daily. All times are based on Eastern times(ET)

NRC Operations Center
Plant Status Report: 03/17/2011
Unevaluated Information Provided by the Facility

Region	*Unit*	*%Pwr*	*Down*	*Comments*	*	#
4	ARKANSAS NUCLEAR 1	100				
4	ARKANSAS NUCLEAR 2	0	02/20/2011	Refueling REFUELING COMPLETED	*	
4	CALLAWAY 1	100				
4	COLUMBIA GENERATING	100				
4	COMANCHE PEAK 1	100				
4	COMANCHE PEAK 2	100				
4	COOPER 1	0	03/12/2011	Refueling REFUELING OUTAGE		
4	DIABLO CANYON 1	100		MORRO BAY 230 KV LINE MAINTENANCE, LINE OPERABLE W/ COMP. MEASURES	*	
4	DIABLO CANYON 2	100		MORRO BAY 230 KV LINE MAINTENANCE, LINE OPERABLE W/ COMP. MEASURES	*	
4	FORT CALHOUN 1	100				
4	GRAND GULF 1	96		POWER LIMITED 2ND STAGE MSR OUT OF SERVICE FOR THE ENTIRE CYCLE		
4	PALO VERDE 1	100				
4	PALO VERDE 2	100				
4	PALO VERDE 3	100				
4	RIVER BEND 1	100				
4	SAN ONOFRE 2	100				
4	SAN ONOFRE 3	100				

NRC Operations Center
Plant Status Report: 03/17/2011
Unevaluated Information Provided by the Facility

Region	*Unit*	*%Pwr Down*	*Comments*	*	#
4	SOUTH TEXAS 1	100			
4	SOUTH TEXAS 2	100			
4	WATERFORD 3	85	ELEVATED VIBRATION ON FEEDWATER PUMP		
4	WOLF CREEK 1	100			

* - Reason or comment has been changed in past 24 hours
# - Number of reactor scrams within the past 24 hours

Note: Reactor status data collected between 4 AM and 8 AM daily. All times are based on Eastern times(ET)

Owen, Lucy

From: HRMSBulletin.Resource@nrc.gov
Sent: Thursday, March 17, 2011 6:31 AM
To: Collins, Elmo
Subject: Payroll Reminder

Your earnings and leave statement (ELS) is available on Employee Express (EEX) as of close of business Thursday March 17, 2011. NRC's Official pay date is Tuesday March 22, 2011 and your direct deposit will be available by this date. To access EEX, click here:

https://www.employeeexpress.gov/

Questions can be directed to the Department of Interior Payroll Operations Help Desk at 1-888-367-1622.

Reminder: All employees are responsible for reviewing their ELS for accuracy of data.

Owen, Lucy

From: Etheridge, Peggy
Sent: Thursday, March 17, 2011 6:34 AM
To: Owen, Lucy
Cc: Collins, Elmo
Subject: RE: BIO FOR ELMO E. COLLINS
Attachments: image001.gif

Thanks!

Peggy A. Etheridge
U.S. Nuclear Regulatory Commission
Recruitment Program Manager/Selective Placement Coordinator
Office of Human Resources, Outreach and Recruitment Branch
MS: GW-5A06, 11555 Rockville Pike
Rockville, MD 20852
301-492-2212 *(office)*
301-492-2243 *(fax)*
(b)(6) *(BlackBerry)*

AMERICA'S VETERAN
Valued • Experienced • Trained
Supporting the Employment of Veterans

From: Owen, Lucy
Sent: Wednesday, March 16, 2011 3:54 PM
To: Etheridge, Peggy
Cc: Collins, Elmo
Subject: BIO FOR ELMO E. COLLINS

Hi Peggy – Attached is Mr. Collins bio and picture. Should you need additional information, please let me know.

Thank you.

Lucy Owen

Lucy A. Owen
Administrative Assistant to RIV Regional Administrator
Office of the Regional Administrator, Region IV Office
U.S. Nuclear Regulatory Commission
612 E. Lamar Blvd. Suite 400
Arlington, Texas 76011-4125
Direct: (817)860-8227
Toll Free: 1-800-952-9677

Fax: (817)860-8122
E-mail: Lucy.Owen@nrc.gov

Satorius, Mark

From: HRMSBulletin.Resource@nrc.gov
Sent: Thursday, March 17, 2011 6:42 AM
To: Satorius, Mark
Subject: Payroll Reminder

Your earnings and leave statement (ELS) is available on Employee Express (EEX) as of close of business Thursday March 17, 2011. NRC's Official pay date is Tuesday March 22, 2011 and your direct deposit will be available by this date. To access EEX, click here:

https://www.employeeexpress.gov/

Questions can be directed to the Department of Interior Payroll Operations Help Desk at 1-888-367-1622.

Reminder: All employees are responsible for reviewing their ELS for accuracy of data.

Horn, Brian

From: Horn, Brian
Sent: Thursday, March 17, 2011 6:43 AM
To: Owens, Janice
Cc: Habighorst, Peter
Subject: RE: Sensitive Info FW:JNFI Shipments

Janice:

Thank you for the information.

I have no comments or objections to your proposed response to Dan Noss.

Respectfully,
Brian Horn

From: Owens, Janice
Sent: Wednesday, March 16, 2011 5:32 PM
To: Caldwell, Robert; Habighorst, Peter
Cc: Mamish, Nader; Collins, Chiquita; Bukharin, Oleg; Horn, Brian; Aguilar, Santiago; Kim, Grace; Fragoyannis, Nancy
Subject: Sensitive Info FW:JNFI Shipments
Importance: High

Bob and Pete:

AREVA notified NSIR on March 1, and sent additional information to me in the email below about an upcoming shipment of UO2 powder scheduled to leave Richland on 3/21, depart Oakland, CA on 3/25 and arrive Tokyo 4/4 The export licenses authorize shipments to two fuel fabrication facilities, one of which is shut down, and to reactors, which have not experienced problems (Genkai, Tomari, Takahama and/or Ohi). Since the fuel fabrication facility in Tokai Mura is shut down AREVA has made plans to ship of all material to Nuclear Fuel Industries Kumatori works facility in Osaka which is the one that is still operating.

Do you agree with or have any comments on the following response? Are you ok with me sending it?

> Dan,
>
> Thank you for the updates. We see no reason at this time not to proceed as planned for the upcoming shipment as described in your email message below and in your advance notification letter dated March 1, 2011 (DLN:11:07). The NRC is closely monitoring developments in Japan and will contact you immediately, if warranted.
>
> Janice Owens

Please let me know as soon as possible. I will soon send you a separate message that I propose to send to other export licensees, from whom we have not received advance notifications yet urging them to check their export plans and contact us regarding shipments.

Thank you,

Janice

From: NOSS Dan (AREVA) [mailto:Dan.Noss@areva.com]
Sent: Tuesday, March 15, 2011 2:03 PM

To: Owens, Janice
Subject: NFI Shipments

Good afternoon Janice,

Since we spoke this morning, we have found out that NFI's Tokai plant will not be receiving shipments of SNM. NFI's Kumatori plant is currently still OK to reveive shipments.

For the shipment leaving here on Monday, March 21st, we had originally planned to sent material to both NFI plants (Tokai and Kumatori). We have currently been instructed to leave out the Tokai part of the shipment (approx 300 kgu) and proceed with the Kumatori part of the shipment (approx 14,000 kgu).

I will keep you up on any new developments.

Regards,

Dan Noss

Supervisor, MC&A

AREVA NP Inc.

An AREVA and Siemens Company

2101 Horn Rapids

Road Richland, WA 99354

Phone: 509-375-8380

Fax: 509-375-8707

dan.noss@areva.com

McKelvey, Harold

From: Collins, Elmo
Sent: Thursday, March 17, 2011 6:58 AM
To: Powell, Amy
Subject: RE: FYI for now- Boxer and Feinstein request for comprehensive investigation at Cali nukes?

Thanks Amy
I'd benefit from a chat - please call at your convenience Elmo

-----Original Message-----
From: Powell, Amy
Sent: Thursday, March 17, 2011 5:50 AM
To: Collins, Elmo
Subject: Re: FYI for now- Boxer and Feinstein request for comprehensive investigation at Cali nukes?

They sent a ltr too - being the CA Sens, they feel that they have the most vulnerable plants. Chr J was in front of Boxer's Comm yesterday for a public briefing...

Amy Powell
Associate Director
Office of Congressional Affairs
U. S. Nuclear Regulatory Commission
Phone: 301-415-1673

Sent from my Blackberry

----- Original Message -----
From: Collins, Elmo
To: Powell, Amy
Sent: Wed Mar 16 22:56:13 2011
Subject: Fw: FYI for now- Boxer and Feinstein request for comprehensive investigation at Cali nukes?

Any insights?
Thanks
Elmo

----- Original Message -----
From: Uselding, Lara
To: Collins, Elmo; Lantz, Ryan; Miller, Geoffrey
Sent: Wed Mar 16 18:42:58 2011
Subject: FYI for now- Boxer and Feinstein request for comprehensive investigation at Cali nukes?

I'm taking care of reporter
Lara Uselding
NRC Region 4 Public Affairs
(b)(6)

----- Original Message -----
From: Mavis Scanlon <mavis@newsdata.com>
To: Uselding, Lara
Sent: Wed Mar 16 17:53:36 2011

Subject: Re: Can you comment on Boxer and Feinstein request for comprehensive investigation at Cali nukes?

Here is Boxer's statement from earlier today:
http://boxer.senate.gov/en/press/releases/031611.cfm

Uselding, Lara wrote:
> Have not heard that so I do not have info on that at this time. We
> will be reviewing japan incident and will look at this and any new
> info that arises Lara Uselding NRC Region 4 Public Affairs
> (b)(6)
>
> ---- Original Message -----
> From: Mavis Scanlon <mavis@newsdata.com>
> To: Uselding, Lara
> Sent: Wed Mar 16 17:41:19 2011
> Subject: Can you comment on Boxer and Feinstein request for comprehensive investigation at Cali nukes?
>
> Hi Lara,
> Immediately after I responded, I saw that Sen Boxer, in a hearing this
> afternoon, called on the NRC to conduct a comprehensive investigation
> into safety issues, with a focus on seismically active areas like
> California. Can you comment on that request to the NRC - does the NRC
> plan to conduct such an investigation?
>
> thanks again,
> -Mavis
>
> Uselding, Lara wrote:
>
>> No delays on reviews at this time.
>> Yes.
>>
>> Lara Uselding
>> U.S. Nuclear Regulatory Commission (NRC) Public Affairs - Region IV
>>
>> Lara.Uselding@nrc.gov
>> For more information visit www.nrc.gov
>>
>>
>>
>> -----Original Message-----
>> From: Mavis Scanlon [mailto:mavis@newsdata.com]
>> Sent: Wednesday, March 16, 2011 3:49 PM
>> To: Uselding, Lara
>> Subject: Diablo Canyon question - request for comment
>>
>> Hi Lara,
>> I'm following up an earlier message regarding Diablo Canyon. I wanted
>> to get a comment on whether the NRC is considering suspending or
>> delaying its review of PG&E's application to renew licenses for
>> Diablo Canyon until the utility completes additional seismic reports.
>> I also wanted to confirm whether the schedule for the review that is
>> on the NRC's website is the most current, updated schedule.
>>
>> Best regards,
>> -Mavis

>>
>> _____
>> Mavis Scanlon
>> Associate Editor
>> California Energy Markets
>> 425 Divisadero St. Ste. 303
>> San Francisco CA 94605
>> 415.963.4439 x12
>> mavis@newsdata.com
>>
>>
>>

Satorius, Mark

From: Help_Desk_Bulletin Resource
Sent: Tuesday, March 15, 2011 6:59 AM
To: ALL_R3
Subject: Regional Helpdesk Survey

CI Number: 2011-1
Contact: Thomas Magee (TMM3) or Ext. 9813

Please assist us in evaluating the quality of our services with regards to the Regional Computer HelpDesk.

Below is a link to the web based survey which should only take you a few moments to fill out.

Semi-Annual survey

The results of this survey will be made available on the internal web pages by March 8th.

Thanks again for making this survey a success.

Thomas Magee
Computer Specialist
Information Resources Branch

From: HRMSBulletin.Resource@nrc.gov
To: Borchardt, Bill
Subject: Payroll Reminder
Date: Thursday, March 17, 2011 7:25:38 AM

Your earnings and leave statement (ELS) is available on Employee Express (EEX) as of close of business Thursday March 17, 2011. NRC's Official pay date is Tuesday March 22, 2011 and your direct deposit will be available by this date. To access EEX, click here:

https://www.employeeexpress.gov/

Questions can be directed to the Department of Interior Payroll Operations Help Desk at 1-888-367-1622.

Reminder: All employees are responsible for reviewing their ELS for accuracy of data.

From: HRMSBulletin.Resource@nrc.gov
To: Boger, Bruce
Subject: Payroll Reminder
Date: Thursday, March 17, 2011 7:26:22 AM

Your earnings and leave statement (ELS) is available on Employee Express (EEX) as of close of business Thursday March 17, 2011. NRC's Official pay date is Tuesday March 22, 2011 and your direct deposit will be available by this date. To access EEX, click here:

https://www.employeeexpress.gov/

Questions can be directed to the Department of Interior Payroll Operations Help Desk at 1-888-367-1622.

Reminder: All employees are responsible for reviewing their ELS for accuracy of data.

From:	Campbell, Stephen
To:	Ruland, William; Cheok, Michael; Evans, Michele; Hiland, Patrick; Holian, Brian; Brown, Frederick
Cc:	Howe, Allen; Giitter, Joseph; Boger, Bruce; Leeds, Eric; Grobe, Jack; Tate, Travis; Klein, Alex; Harrison, Donnie; Mitchell, Matthew; Khanna, Meena; Wilson, George; Shoop, Undine; Imboden, Andy; Casto, Greg; Ulses, Anthony; Miranda, Samuel; Epperson, Dan; WBN2HearingFile Resource
Subject:	WBN2 Management Report.
Date:	Thursday, March 17, 2011 7:27:36 AM
Attachments:	WB2 SER Section Status - Management Report - Combined 3-15-11.xls

Division Managers:

Attached is the latest management report for completing the licensing actions for Watts Bar Unit 2. Your respective BCs have reviewed this spreadsheet and I have updated it to incorporate their comments as necessary. The notable changes that occurred since the last report (March 8, 2011) include:

- With the issuance of an SE with OI from SBPB, Section 9.2.2 went from red (late) to orange (SE OI)
- RAIs were sent from EMCB to DORL on 3/10. Draft RAI's were sent to TVA. OGC concurred on formal RAIs, however, DORL decided to withhold issuing them until the Japanese nuclear event subsides (estimate about 1 week to issue).
- Corrected comment for DLR changing the key chapter from 11 to 12 regarding offsite doses
- On 3/15, TVA delivered the necessary information for SRXB to complete boron precipitation calculations.

TVA is overdue providing information to the staff for nine sections that include Sections 15.4.1 through 15.4.7, 9.3.2 and 9.5.1 and the Environmental report (Intake Velocity).

Because TVA has been late sending in a final Fire Protection Report, responding to first set of RAIs and not providing a submission date to address OMAs, we are preparing an extension request for Section 9.5.1, "Fire Protection" that Joe Giitter needs to concur.

Please call me if you have questions.

Thanks

Stephen J. Campbell,
Branch Chief
NRR/DORL/LP-WB
U.S. Nuclear Regulatory Commission
Office - O8H1
Mail Stop - O8H4A
Washington, DC 20555
E-mail: stephen.campbell@nrc.gov | Office: (301) 415-3353 | NRC Cell: (b)(6) | Fax: (301) 415-1885

Watts Bar 2 SER Section Status - Management Report (as of March 15, 2011)

Section No.	Branch	Technical Reviewer	SER Chapter Description	RAI's Submitted to PM	SE Deliverable Date to PM	Comments
					AADB	
15.4.1	AADB	John Parillo	LOSS-OF-COOLANT ACCIDENT		12/30/2010	TVA RAI response overdue. RAI resent 1/12/11. Partial RAI response received 12/10. RAIs sent to TVA 11/29. Received additional RAIs from AADB on 11/23 based on impact of changes in section 2.3.
15.4.2	AADB	John Parillo	MAIN STEAMLINE BRK OUTSIDE CONTAIN		12/30/2010	TVA RAI response overdue. RAI resent 1/12/11. Partial RAI response received 12/10. RAIs sent to TVA 11/29. Received additional RAIs from AADB on 11/23 based on impact of changes in section 2.3.
15.4.3	AADB	John Parillo	STEAM GENERATOR TUBE RUPTURE		12/30/2010	TVA RAI response overdue. RAI resent 1/12/11. Partial RAI response received 12/10. RAIs sent to TVA 11/29. Received additional RAIs from AADB on 11/23 based on impact of changes in section 2.3.
15.4.4	AADB	John Parillo	CONTROL ROD EJECTION ACCIDENT		12/30/2010	TVA RAI response overdue. RAI resent 1/12/11. Partial RAI response received 12/10. RAIs sent to TVA 11/29. Received additional RAIs from AADB on 11/23 based on impact of changes in section 2.3.
15.4.5	AADB	John Parillo	FUEL-HANDLING ACCIDENT		12/30/2010	TVA RAI response overdue. RAI resent 1/12/11. Partial RAI response received 12/10. RAIs sent to TVA 11/29. Received additional RAIs from AADB on 11/23 based on impact of changes in section 2.3.
15.4.6	AADB	John Parillo	FAILURE OF SMALL LINE CARRYING COOLANT OUTSIDE CONTAINMENT		12/30/2010	TVA RAI response overdue. RAI resent 1/12/11. Partial RAI response received 12/10. RAIs sent to TVA 11/29. Received additional RAIs from AADB on 11/23 based on impact of changes in section 2.3.
15.4.7	AADB	John Parillo	RA RELEASE FROM LIQ TANK FAILURE		12/30/2010	TVA RAI response overdue. RAI resent 1/12/11. Partial RAI response received 12/10. RAIs sent to TVA 11/29. Received additional RAIs from AADB on 11/23 based on impact of changes in section 2.3.
					AFPB	
9.5.1	AFPB	Charles Moulton	FIRE PROTECTION		5/31/2011	Original draft SE due date of May 2011 was predicated on TVA submission of a complete fire protection report (FPR) in December 2010 and partial RAIs were sent to TVA 3/10/11 and 2/9/11. TVA has been late submitting FPR and late responding to first set of RAIs. Technical reviewer is continuing to review the draft FPR (received on 12/18/10) and prepare RAIs. TVA's initial RAI response and updated draft FPR was due 3/16, however these documents will not address the OMA concerns. TVA has not provided a due date to address OMAs. Given the circumstances mentioned above, a change request is in process to move the SE finish date from 5/31/11 to 9/30/11, which is a best estimate due date.
					APLA	
Environ-mental	APLA	Ray Gallucci	CHAPTER 6 AND APPENDIX H TO RERB		4/29/2011	
					CVIB	
10.2.2	CVIB	Simon Sheng	TURBINE DISC INTEGRITY		4/15/2011	RAIs forwarded to TVA on 3/10/11. TVA response due 3/25/11.
					DORL	
1.2.0	DORL	Justin Poole	GENERAL DESIGN DESCRIPTION		4/29/2011	
11.7.2	DORL	Justin Poole	PRIMARY COOLANT OUTSIDE CONTAINTMENT			TVA to address this item in future Regulatory Framework Letter.
Environ-mental	DORL	Justin Poole	ISSUE DRAFT SUPPLEMENTAL FINAL ENVIRONMENTAL STATEMENT (SFES)		6/13/2011	EPA to issue FRN.
					EMCB	
2.4.10	EMCB	Dan Hoang	FLOODING PROTECTION REQUIREMENTS	3/11/2011		RAIs were sent from EMCB to DORL on 3/10. Draft RAI's were sent to TVA. OGC concurred on formal RAIs, however, DORL decided to withhold issuing them until the Japanese nuclear event subsides (est 1 wk to issue).
					EICB	
7.5.2	EICB	Norbert Carte	POST-ACCIDENT MONITORING SYSTEM		4/29/2011	Waiting for RAI response and documentation (Common Q (3/31), Sorrento Radiation Monitoring (received 2/25)) from TVA. Technical reviewer preparing draft SE. EICB conducted an audit at Westinghouse the week of 2/28.
7.6.6	EICB	Hukam Garg	VALVE POWER LOCKOUT		3/15/2011	Waiting for RAI response and documentation from TVA. Technical reviewer preparing draft SE.
					IHPB	

Section No.	Branch	Technical Reviewer	SER Chapter Description	RAI's Submitted to PM	SE Deliverable Date to PM	Comments
12.1.0	IHBP	Roger Pedersen	GENERAL		ML110060851 ML110060853	Public meeting scheduled for 3/22/11. RAI response received 2/25. Technical reviewer is evaluating RAI response. SE input received with large open items on 1/14. Partial RAI response received 12/10. Partial RAI response received 10/4. Additional RAI's sent to TVA 8/27.
12.3.0	IHBP	Roger Pedersen	RADIATION SOURCES		ML110060851 ML110060853	Public meeting scheduled for 3/22/11. RAI response received 2/25. Technical reviewer is evaluating RAI response. SE input received with large open items on 1/14. Partial RAI response received 12/10. Partial RAI response received 10/4. Additional RAI's sent to TVA 8/27.
12.4.0	IHBP	Roger Pedersen	RADIATION PROTECT DESIGN FEATURES		ML110060851 ML110060853	Public meeting scheduled for 3/22/11. RAI response received 2/25. Technical reviewer is evaluating RAI response. SE input received with large open items on 1/14. Partial RAI response received 12/10. Partial RAI response received 10/4. Additional RAI's sent to TVA 8/27.
12.5.0	IHBP	Roger Pedersen	DOSE ASSESSMENT		ML110060851 ML110060853	Public meeting scheduled for 3/22/11. RAI response received 2/25. Technical reviewer is evaluating RAI response. SE input received with large open items on 1/14. Partial RAI response received 12/10. Partial RAI response received 10/4. Additional RAI's sent to TVA 8/27.
12.6.0	IHBP	Roger Pedersen	HEALTH PHYSICS PROGRAM		ML110060851 ML110060853	Public meeting scheduled for 3/22/11. RAI response received 2/25. Technical reviewer is evaluating RAI response. SE input received with large open items on 1/14. Partial RAI response received 12/10. Partial RAI response received 10/4. Additional RAI's sent to TVA 8/27.
					RERB	
Environ-mental	RERB	Dennis Beissel	CONFIRM INTAKE VELOCITY		2/25/2011	TVA RAI response overdue. Conference call conducted with Licensee 1/20/2011.
Environ-mental	RERB	Dennis Beissel	AQUATIC REPORTS (IMPINGEMENT, ENTRAINMENT)		3/18/2011	TVA preparing reports.
Environ-mental	RERB	Dennis Beissel	ALTERNATIVES AND "NEED FOR POWER" JUSTIFICATION		3/31/2011	
Environ-mental	RERB	Dennis Beissel	RESOLUTION TO CHAPTER 12 QUESTIONS REGARDING OFFSITE DOSAGE		TBD	See IHPB status for Chapter 12.
Environ-mental	RERB	Dennis Beissel	DRAFT SUPPLEMENTAL FINAL ENVIRONMENTAL STATEMENT (SFES) TO PM		5/13/2011	Achieving this milestone requires timely resolution of the intake velocity and Chapter 12 questions regarding offsite dosage and receipt of the aquatic reports and SAMA.
					SBPB	
9.2.1	SBPB	Gerry Purciarello	ERCW & RCWS			Technical reviewer to submit draft SE by 3/18/11. CR approved, SE finish date 3/4. RAI response received 12/10/10.
9.2.2	SBPB	Gerry Purciarello	COMPONENT COOLING SYSTEM			SE input received with open Items 3/11/11. CR approved, SE finish date 3/4. RAI response received 12/10/10. RAIs sent to TVA 9/17.
9.3.2	SBPB	Ed Smith	PROCESS SAMPLING SYSTEM		[illegible]	TVA RAI response overdue. RAIs submitted 4/28. CR approved. SE finish date 11/19/10.
11.2.0	SBPB	Ed Smith	LIQUID WASTE MANAGEMENT		ML110260362	Public meeting scheduled for 3/22/11. Technical reviewer provided clarification questions on 3/4. RAI response received 2/25. Technical reviewer is evaluating RAI response. IHPB SE input with follow-up RAIs received 2/3. SBPB SE input with large open items received 1/20. Partial RAI response received 10/4. Additional RAI's sent to TVA 8/19.
11.3.0	SBPB	Ed Smith	GASEOUS WASTE MANAGEMENT		ML110260362	Public meeting scheduled for 3/22/11. Technical reviewer provided clarification questions on 3/4. RAI response received 2/25. Technical reviewer is evaluating RAI response. IHPB SE input with follow-up RAIs received 2/3. SBPB SE input with large open items received 1/20. Partial RAI response received 10/4. Additional RAI's sent to TVA 8/19.
11.4.0	SBPB	Ed Smith	SOLID WASTE MANAGEMENT		ML110260362	Public meeting scheduled for 3/22/11. Technical reviewer provided clarification questions on 3/4. RAI response received 2/25. Technical reviewer is evaluating RAI response. IHPB SE input with follow-up RAIs received 2/3. SBPB SE input with large open items received 1/20. Partial RAI response received 10/4. Additional RAI's sent to TVA 8/19.
					SRXB	
5.2.2	SRXB	Sam Miranda	OVERPRESSURIZATION PROTECTION		4/15/2011	SRXB conducting an audit at Westinghouse on 3/15/11. RAI response received 2/11. Technical reviewer is evaluating RAI response. CR approved, SE finish date 4/15. CR approved, SE finish date 11/30. Partial RAI response received 10/4 and 11/9.
6.3.1	SRXB	Sam Miranda	SYSTEM DESIGN			See memorandum (ML110400500) dated 2/18/11. Staff is evaluating the impact of outstanding RAI responses. Schedule impacts are unknown. See 15.3.1 comments. Technical reviewer preparing draft SE. CR approved, SE finish date 3/4. CR approved, SE finish date 1/21. RAI response received 11/9. CR approved, SE finish date 11/30.

Section No.	Branch	Technical Reviewer	SER Chapter Description	RAI's Submitted to PM	SE Deliverable Date to PM	Comments
6.3.2	SRXB	Sam Miranda	EVALUATION			See memorandum (ML110400500) dated 2/18/11. Staff is evaluating the impact of outstanding RAI responses. Schedule impacts are unknown. See 15.3.1 comments. Technical reviewer preparing draft SE. CR approved, SE finish date 3/4. CR approved, SE finish date 1/21. RAI response received 11/9. CR approved, SE finish date 11/30.
6.3.3	SRXB	Sam Miranda	TESTING			See memorandum (ML110400500) dated 2/18/11. Staff is evaluating the impact of outstanding RAI responses. Schedule impacts are unknown. See 15.3.1 comments. Technical reviewer preparing draft SE. CR approved, SE finish date 3/4. CR approved, SE finish date 1/21. RAI response received 11/9. CR approved, SE finish date 11/30.
6.3.4	SRXB	Sam Miranda	PERFORMANCE EVALUATION			See memorandum (ML110400500) dated 2/18/11. Staff is evaluating the impact of outstanding RAI responses. Schedule impacts are unknown. See 15.3.1 comments. Technical reviewer preparing draft SE. CR approved, SE finish date 3/4. CR approved, SE finish date 1/21 RAI response received 11/9. CR approved, SE finish date 11/30.
6.3.5	SRXB	Sam Miranda	CONCLUSIONS			See memorandum (ML110400500) dated 2/18/11. Staff is evaluating the impact of outstanding RAI responses. Schedule impacts are unknown. See 15.3.1 comments. Technical reviewer preparing draft SE. CR approved, SE finish date 3/4. CR approved, SE finish date 1/21. RAI response received 11/9. CR approved, SE finish date 11/30.
15.2.2	SRXB	Sam Miranda	INCREASED COOLING TRANSIENTS		3/18/2011	Technical reviewer preparing draft SE. RAI response received 11/9.
15.2.3	SRXB	Sam Miranda	CHANGE IN COOLANT INVENTORY TRANSIENTS		4/15/2011	SRXB conducting an audit at Westinghouse on 3/15/11. RAI response received 2/10. Technical reviewer is evaluating RAI response. CR approved, SE finish date 4/15. Partial RAI response received 11/9
15.2.4	SRXB	Sam Miranda	REACTIVITY & POWER DISTRIBUTION		3/18/2011	Technical reviewer preparing draft SE. RAI response received 11/9.
15.2.5	SRXB	Sam Miranda	CONCLUSIONS		4/15/2011	Technical reviewer preparing draft SE.
15.3.1	SRXB	Sam Miranda	LOSS-OF-COOLANT ACCIDENT		4/15/2011	Technical reviewer preparing draft SE. Watts Bar plant data for Len Ward's LOCA analysis was provided 3/15. This also impacts input to section 6.3 SE. CR approved, SE finish date 4/15. Len Ward to provide SE input. RAI response received 11/9.
15.3.2	SRXB	Sam Miranda	STEAMLINE BREAK		4/15/2011	SRXB conducting an audit at Westinghouse on 3/15/11. RAI response received 2/11. Technical reviewer is evaluating RAI response. CR approved, SE finish date 4/15
15.3.3	SRXB	Sam Miranda	FEEDWATER SYSTEM PIPE BREAK		3/18/2011	Technical reviewer preparing draft SE. RAI response received 11/9.
15.3.4	SRXB	Sam Miranda	REACTOR COOLANT PUMP ROTOR SEIZURE		3/18/2011	Technical reviewer preparing draft SE. RAI response received 11/9.
15.3.5	SRXB	Sam Miranda	REACTOR COOLANT PUMP SHAFT BREAK		3/18/2011	Technical reviewer preparing draft SE. RAI response received 11/9.
15.3.6	SRXB	Sam Miranda	ANTICIPATED TRANSIENT WITHOUT SCRAM		4/15/2011	Technical reviewer preparing draft SE. RAI response received 11/9.

Legend:

	Complete		NRR Overdue
	Finish date in next 2 weeks		TVA Overdue
	Finish date is greater than 2 weeks		SE Open Item

Note: Responses to Open and Confirmatory Items will require quick staff review and closeout.

From: Kinneman, John
To: Bailey, Marissa; Haney, Catherine
Cc: Habighorst, Peter
Subject: RE: Guidance Requested: FW: OK to email IAEA Declaration to the Hill?
Date: Thursday, March 17, 2011 7:30:45 AM

(b)(5)

From: Bailey, Marissa
Sent: Wednesday, March 16, 2011 5:09 PM
To: Haney, Catherine; Kinneman, John
Cc: Habighorst, Peter
Subject: Guidance Requested: FW: OK to email IAEA Declaration to the Hill?

Cathy, John – Your guidance is needed on this matter.

From: Habighorst, Peter
Sent: Wednesday, March 16, 2011 3:58 PM
To: Grice, Thomas; Freeman, Eric
Cc: Bailey, Marissa
Subject: RE: OK to email IAEA Declaration to the Hill?

I am OK with this statement...

Marissa, would it be NMSS's position that if IAEA called for Complementary access during a possible government shutdown we would then make the NRC employees (lead the host team) as essential NRC employees...???

From: Grice, Thomas
Sent: Wednesday, March 16, 2011 3:05 PM
To: Freeman, Eric; Habighorst, Peter
Subject: RE: OK to email IAEA Declaration to the Hill?

Works for me. Next shuttle is at 3:45 so I am heading to the metro.

From: Freeman, Eric
Sent: Wednesday, March 16, 2011 2:17 PM
To: Grice, Thomas; Habighorst, Peter
Subject: RE: OK to email IAEA Declaration to the Hill?

Looks good, maybe consider the following addition though:

(b)(5)

From: Grice, Thomas
Sent: Wednesday, March 16, 2011 2:00 PM
To: Habighorst, Peter; Freeman, Eric
Subject: RE: OK to email IAEA Declaration to the Hill?

FYI _ drafted a quick response to Hung's email about potential CAs duing a government shutdown. Please feel free to edit/comment and reply as desired. I should be back in the office by 4:00.

****

(b)(5)

From: Hung Ly [HLy@cwc.gov]
Sent: Wednesday, March 16, 2011 1:44 PM
To: 'Adams, J Stephen'; Freeman, Eric; Grice, Thomas; (b)(6); (b)(6); Melissa.Scholz@nnsa.doe.gov; Dunbar.Lockwood@nnsa.doe.gov
Cc: 'Sharp, Matthew K'
Subject: RE: OK to email IAEA Declaration to the Hill?

Steve,
I delivered an electronic (pdf) declaration on a CD Rom last week. Matthew should have it.

On a separate note, our operation people want to know if there is a procedure to notify/inform the IAEA not to request for CA in the event of the government shutdown. Unless there are other ways to handle it.

Hung

-----Original Message-----
From: Adams, J Stephen [mailto:AdamsJS@state.gov]
Sent: Wednesday, March 16, 2011 12:20 PM
To: hly@cwc.gov; eric.freeman@nrc.gov; Thomas.Grice@nrc.gov; (b)(6); Melissa.Scholz@nnsa.doe.gov; Dunbar.Lockwood@nnsa.doe.gov
Cc: Sharp, Matthew K
Subject: Fw: OK to email IAEA Declaration to the Hill?

My gut feeling is to say "yes" but no publishing by gpo or transmittal over internet. If we don't have this on the unclassified system, this may be hard. We could take the electrons and make a pdf and download ro a cd rom.

From: Knight, Stephen B
Sent: Wednesday, March 16, 2011 11:08 AM
To: Sharp, Matthew K; Adams, J Stephen
Subject: OK to email IAEA Declaration to the Hill?

Steve, Matt, the Hill got this in time but have requested that we send them the electrons for the large document for the sake of convenient handling. Any objections? Otherwise, they will PDF it themselves.

Thanks,
-Stephen

This email is UNCLASSIFIED.

From: Tate, Travis
To: Lee, Samson; Cheok, Michael
Cc: Graham, Camillea; Alexander, Cheryl
Subject: Arrival today
Date: Thursday, March 17, 2011 7:31:36 AM

(b)(6) I am running a little behind. I'll be in about 8:30.

Sent from NRC BlackBerry
Travis Tate
(b)(6)

From:	Griffin, Steven
To:	Ash, Darren; Greene, Kathryn; Stewart, Sharon
Cc:	Turner, Joseph; Weber, Michael; Banas, Paul; Beckford, Kaydian; Bell, Marvin; Bellosi, Susan; Bettis, Ashley; Borchardt, Bill; Boyce, Thomas (OIS); Branch, Richard; Brown, Yolanda; Byrd, Calvin; Cepura, Harry; Chicca, Gregory; Cianci, Sandra; Corley, Cherrie; Davis, Allison; Davis, Chon; Dawood, David; Fenton, Darlene; Flack, Jennifer; Garland, Stephanie; Gaudreau, Adam; Griffin, Steven; Heck, James; Howard, Patrick; Humerick, David; Huth, Virginia; Jarvis, Rodney; Kemerer, Myron; Kerr, Matthew; Liegey, Patricia; Mamish, Nader; Mohler, Brian; Osband, Tracy; Pretzello, Andrew; Rabideau, Peter; Rich, Thomas; Ronewicz, Lynn; Rowhani, Bahman; Smith, Danielle; Stojanovich-Hayes, Rada; Schumann, Stacy; Raynor, Kathleen; Davis, Kristin; Ross-Lee, MaryJane; Cohen, Miriam
Subject:	ADM Morning Report
Date:	Thursday, March 17, 2011 7:32:29 AM

ADM Daily Status Report for March 17, 2011

After-hours emergencies:

No items to report.

Gateway

No items to report.

Executive Boulevard Building (EBB)

Report from Monday the 14th, The contractors were onsite today to do a leak test on the precast and lower weep system. They found some bad caulking which is being cut and re-caulked. Also found that some flashing had came loose which is being sealed and screwed down. If the caulk is fully cured tomorrow the contractor will do another leak test.

Report from Tuesday the 15th, The vendor did more caulking to the area today. They were not able to test yet as the caulk they put down yesterday still needed more "curing" time.

Report from Wednesday the 16th, GSA met with EBB management and Chief Engineer. With the amount of rain we had last night it appears as we saw today that the contractor has found the source of the leak and remedied. As weather permits another leak test will be conducted and I will inform you of the results.

It has been determined the leaks are not from the windows but rather the precast.

Twinbrook Metro Plaza

No items to report.

21 Church Street

No items to report.

Major Building Issues:

TWFN:

On Wednesday, March 16, at 8:12 a.m., a CAS officer reported that while patrolling the Daycare center the smell of gas exhaust was detected.

FMB,FSB, and WW responded to the area. The smell of gas was detected coming from the TWFN Cafeteria gas vent exhaust pipe, located between the outside area of the Daycare and the TWFN loading dock. This is a normal occurrence, the system is designed to vent gas to the outside as part of the operation of the regulator.

OWFN:

No items to report.

Warehouse:

No items to report.

Building Temperature Problems:

No items to report.

Security Items:

No items to report.

17 Mar 492 AD St. Patrick dies

Today is St. Patrick's Day, an Irish and Irish-American holiday commemorating the death, as legend has it, of Patrick, the patron saint of Ireland, on March 17, circa 492. It is also the occasion, in many American cities, for celebrating Irish heritage with a parade. Among the most renowned of these festival traditions are the New York City parade, which officially dates to March 17, 1766 (an unofficial march was held in 1762); the Boston parade, which may date as far back as March 17, 1775; and the Savannah, Georgia, parade, which dates to March 17, 1824.

Saint Patrick (c. 390 – 460)[2] (Latin: Patricius,[3] Irish: Naomh Pádraig) was a British Christian missionary and is the patron saint of Ireland, along with Brigid of Kildare and Columba. He was educated at a monastery and school of divinity founded by Illtud (at the location of modern Llantwit Major).

When he was about 14 he was captured by Irish raiders and taken as a slave to Ireland, where he lived for six years before escaping and returning to his family. After entering the Church, he later returned to Ireland as an ordained bishop in the north and west of the island, but little is known about the places where he worked and there is no contemporary evidence for any link between Patrick and any known church

building

Steven Griffin FMA

Building Management Specialist

U.S. Nuclear Regulatory Commission

ADM/DFS/FACB

RoomT6-E29/ MS T6-E20

Office 301-415-6686

Cell (b)(6)

Fax 301-415-5380

"Always treat your contractors exactly as

you want them to treat your best customers."

By Stephen R. Covey

From: Borchardt, Bill
To: Cohen, Miriam
Subject: RE: (b)(6)
Date: Thursday, March 17, 2011 7:34:00 AM

---

thanks

-----Original Message-----
From: Cohen, Miriam
Sent: Thursday, March 17, 2011 6:50 AM
To: Johnson, Michael; Holahan, Gary; Dorman, Dan; Borchardt, Bill; Ash, Darren
Subject: Fw: (b)(6)

Thought you should know

----- Original Message -----
From: Tracy, Glenn
To: Cohen, Miriam
Sent: Thu Mar 17 06:19:11 2011
Subject: (b)(6)

(b)(6)

From: HRMSBulletin.Resource@nrc.gov
To: Cheok, Michael
Subject: Payroll Reminder
Date: Thursday, March 17, 2011 7:42:38 AM

Your earnings and leave statement (ELS) is available on Employee Express (EEX) as of close of business Thursday March 17, 2011. NRC's Official pay date is Tuesday March 22, 2011 and your direct deposit will be available by this date. To access EEX, click here:

https://www.employeeexpress.gov/

Questions can be directed to the Department of Interior Payroll Operations Help Desk at 1-888-367-1622.

Reminder: All employees are responsible for reviewing their ELS for accuracy of data.

From:	Bowman, Gregory
To:	Weber, Michael; Virgilio, Martin
Subject:	Alignment Meeting Summary for Construction Enforcement Discretion
Date:	Thursday, March 17, 2011 7:44:43 AM
Attachments:	Enforcement Policy (Construction) Alignment Meeting Summary.docx

---

Mike and Marty,

I attached the alignment meeting summary OE put together following our meeting a couple weeks ago on enforcement discretion for new construction. The summary looks to me to be consistent with the approach we decided to take at the alignment meeting.

I realize things are busy and there's no rush on this, but when you have a chance, please let me know if you see anything in the summary that you disagree with or anything you'd like added.

Greg

Alignment Meeting Summary
SECY Paper Development Process

Date of Meeting: March 1, 2011

Location of Meeting: O17B4

Lead Office/Lead Author: OE (R. Summers)

Subject of Paper: Response to SECY 09-190 SRM Item 5 - Evaluation of Enforcement Policy for Construction (reactors and fuel facilities) and Development of Enforcement Discretion Options for Commission Consideration - Option Paper to Commission scheduled for May 27, 2011

[X] Kickoff Meeting [ ] Follow-up Meeting Number: _____

Meeting Participants

Name	Office	Phone
Martin Virgilio	EDO	415-1713
Michael Weber	EDO	415-1705
Roy Zimmerman	OE	415-6637
Robert Summers	OE	415-1171
Carolyn Faria Ocasio	OE	415-4050
Mohammed Shuaibi	NRO	415-3232
James Beardsley	NRO	415-5998
Earl Libby	NRO	415-0522
Jerry Wilson	NRO	415-3145
Timothy Frye	NRO	415-3900
Nilda Rivera-Feliciano	NRO	415-5823
Frederick Brown	NRR	415-1004
Mary Ann Ashley	NRR	415-1073
Raynard Wharton	NMSS	492-3316
Mike Tschiltz	NMSS	492-3206
Tom Hiltz	NMSS	492-3296
Breeda Reilly	NMSS	492-3110
Charles Casto	RII	404-997-4472
Charles Ogle	RII	404-997-4300
Alan Blamey	RII	404-997-4415
Jimi Yerokun	RII	404-997-4162
Mitzi Young	OGC	415-1354
Marian Zobler	OGC	415-1797
Anthony Wilson	OGC	415-3699
Catherine Scott	OGC	415-1681
Brett Klukan	OGC	415-3629
Nathan Sanfilippo	EDO	415-3951
James Andersen	EDO	415-1725
Greg Bowman	EDO	415-2939

Topics and Issues Discussed and Agreement Reached (This Meeting)

Paper Type and Purpose:

(b)(5)

Expectations:

Revise approach based on agreements below.

Areas and Issues Deserving Attention:

(b)(5)

Is Consensus Recommendation Possible, Advisable?

Not at this time.

Offices:

OE, NRO, NRR, NMSS, RII, OGC

Security Level:

Public Release	**X** Sensitive	Classified
Proprietary	Enforcement	Adjudicatory Material

Roles and Responsibilities

Office/POC	Tasking	Phone
OE/Robert Summers	Presenter	415-1171
OE/Roy Zimmerman	Presenter	415-6637

Points of Contact

Office	Name	Email	Phone
OE	Robert Summers	robert.summers@nrc.gov	415-1171

Offices To Be Involved In Concurrence on SECY Paper

OE, NMSS, NRR, NRO, RII, OGC

Schedule and Milestones

Milestones	Estimated Date
Initial Alignment Meeting	03/01/2011
Documentation of Alignment Agreement	03/xx/2011
Coordinating Meeting	TBD (prior to 3/16/2011)
Office Directors' Discussion/Alignment	03/16/2011
SRM Due Date Extension & Basis	TBD
2nd Alignment Meeting	TBD
Commission Paper Concurrence by Offices	TBD
Office Directors' Approval and Delivery to EDO	TBD
Sign off by DEDO/EDO/delivery to the Commission	TBD

Note - Many of the above actions are TBD to allow the coordinating team to discuss approach and recommend deliverables.

New Agreements Reached (This Meeting)

(b)(5)

Summary

(b)(5)

From: Cheok, Michael
To: Ashley, MaryAnn
Subject: RE: Thanks
Date: Thursday, March 17, 2011 7:46:00 AM

MaryAnn – I did not have to do much. You did all the hard work.

This award is much deserved. Congratulations!!

Mike

From: Ashley, MaryAnn
Sent: Thursday, March 17, 2011 7:19 AM
To: Cheok, Michael
Subject: Thanks

Mike,

Fred has informed me about my big award – and I just wanted to say a personal thank you for your contribution

Mary Ann Ashley
NRR Enforcement Coordinator
O 7 C 01
Office: 301-415-1073
Blackberry: (b)(6)
MaryAnn.Ashley@nrc.gov

Satorius, Mark

From: Hausman, Cheryl
Sent: Thursday, March 17, 2011 7:53 AM
To: Garmoe, Alex; Barker, Allan; Stone, AnnMarie; Bartlett, Bruce; Becker, Audrey; Bigoness, Jay; Holt, BJ; Boland, Anne; Brouillard, Silvia; Cameron, Jamnes; Hausman, Cheryl; Lipa, Christine; Pederson, Cynthia; Hills, David; Lords, David; Dickson, Billy; Sotiropoulos, Dina; Doornbos, Roger; Duncan, Eric; Dvorak, Charles; Ehrig, Tina; Eldridge, Sharon; Ellegood, John; Flowers, Diane; Funk, Don; Christoffer-Baruch, Gail; Shear, Gary; Garza, Michelle; Gavula, James; Giessner, John; Gladden, Karen; Grzywa, Mary; Haeg, Lucas; Hane, Nancy; Hannan, Mark; Hansen, Gregory; Hernandez, Cammie; Lynch, James; Janicki, Michele; Foltz, Jeffrey; Kamprath, Martha; Keller, Nancy; Kemker, Brian; OBrien, Kenneth; Riemer, Kenneth; Barclay, Kevin; King, Michael; Lara, Julio; Lawver, Dale; Lennartz, Jay; Ring, Mark; Marshfield, Mark; Fahey, MaryKay; Maynen, Joseph; McGhee, James; Melendez-Colon, Daneira; Murray, Robert; Passehl, Dave; Pelke, Patricia; Peterson, Hironori; Phillips, Charles; Ramirez, Frances; Ray, Teresa; Richards, Gene; Roach, Gregory; Rutkowski, John; Satorius, Mark; Shah, Nirodh; Bayliff, Shirley; Smith, Desiree; Stauffer, Gloria; Stoedter, Karla; Taylor, Thomas; Thomas, Christopher; Togliatto, Marcia; Ulie, Joseph; Wilson, Adam; Burton, Stephen; Krsek, Robert; Kryk, Scott; Langan, Scott; Morris, R. Michael; Ng, Raymond; Orlikowski, Robert; Louden, Patrick; Chandrathil, Prema; Jones, Robert; Lanksbury, Roger; Ruiz, Robert; Skokowski, Richard; Orth, Steven; Reynolds, Steven; Hartman, Thomas; Kozak, Thomas; Magee, Thomas; Mitlyng, Viktoria; Zurawski, Paul
Subject: ***** Quarterly Telecommunications Test *****
Attachments: Telecommunication Testing Procedure 03-11.pdf; GETS Test Call Instructions 03-11.docx

Importance: High

***** Reply Requested: By 03/31/2011 *****

***** Telecommunications Test - Between 03/17/11 and 03/31/11 *****

Hello,

The purpose of this e-mail is to remind you that it is time for the **Quarterly Telecommunications Test**. Please complete the following tests, as they apply to you, between **03/17/11 and 03/31/11**. Reply to this e-mail when you have completed the applicable tests with a cc to Mike King (Michael.King@nrc.gov). HQ (NSIR) will receive and record the results and send a report when all the data has been collected after the quarterly test.

- If you have a **satellite phone**, place a test call to any commercial number.

- If you have a **GETS card**, place a test call from any commercial line to the GETS familiarization line.

- If you have a **secure cell phone**, place a secure test call to the HOO STE and ask the HOO to return a secure call back to you.

- If you have been notified that **Wireless Priority Service (WPS)** is active on your secure or non secure cellular phone, make a WPS call using GETS to the GETS familiarization line. Note: This call must be made on the voice number of the secure cellular phone.

It is important that the GETS card and telecommunications equipment be tested to assure operability and familiarity with the equipment and procedures and to report positive results to NSIR.

I have attached the Telecommunications Testing Procedure from HQ and the GETS Card Test Call Instructions with additional information.

Please contact me if you have any questions. Thank you.

Cheryl A. Hausman
US Nuclear Regulatory Commission
Region III
Telecommunications Technician
(630) 829-9551 Office
(b)(6) Cell Phone
(630) 515-1078 Fax

Telecommunication Testing Procedure

PURPOSE:
To assure the functionality of distributed alternate communication means through quarterly testing.

SCOPE:
- Applies to Wireless Priority Service (WPS), Government Emergency Telecommunication Service (GETS), Iridium Satellite, and Sectera GSM.
- Testing must be performed once a quarter during the first two weeks of the quarter.
- A reminder email will be sent to each individual prior to each testing period.

PROCESS:

WPS with GETS
1. From your WPS enabled cellular phone, dial *272 -710-NCS-GETS (627-4387)
2. Listen for the GETS tone and enter 12 digit PIN.
3. When prompted, enter 703-818-3924 (GETS familiarization line) as destination.
4. Wait for recorded message to complete before ending call.

<u>Note</u>: This procedure tests both WPS and GETS at one time. Usage reports will be reviewed, therefore there is no need to report testing activity. GETS does <u>not</u> work with the secure or data number on the Sectera mobile phones. This test if for normal cellular phones and the voice or non secure number on the Secteras.

Iridium
1. Acquire signal.
2. Dial any commercial number (e.g. office phone, cellular phone).
3. Verify that your call completes.
4. End call.

<u>Note</u>: Billing reports will be reviewed, therefore there is no need to report testing activity.

Sectera GSM in Secure Mode
1. Enter SM Pin.
2. Enter the HOO STE: 301-415-7148
3. Go secure.
4. Press the 'Send' key to place call to the HOO.
5. State that this is a test call and provide your name to the HOO that answers the STE.
6. Request that the HOO place a return secure call to your number.
7. End call.

<u>Note</u>: The HOO will log the call. This log will be reviewed, therefore there is no need to report testing activity. As an option, WPS can be added to this test.

GETS Only

1. From any phone, dia 1-710-NCS-GETS (627-4387)
2. Listen for the GETS tone and enter 12 digit PIN.
3. When prompted, enter 703-818-3924 (GETS familiarization line) as destination.
4. Wait for recorded message to complete before ending call.

Note: Usage reports will be reviewed, therefore there is no need to report testing activity. GETS does not work the secure or data number on Sectera mobile phones.

REFERENCE:

Iridium Model 9500 and 9505 Instructions
Sectera GSM Instructions
GETS information found at http://gets.ncs.gov/ then select Documents
WPS information found at http://wps.ncs.gov/ then select Documents

Approved by: Mel Leach
Effective Date: 12/31/05

From:	Golla, Joe
To:	Ash, Melissa
Subject:	RE: SRM - SECY-11-0014 - Use of Containment Accident Pressure in Analyzing Emergency Core Cooling System and Containment Heat Removal System Pump Performance in Postulated Accidents
Date:	Thursday, March 17, 2011 7:58:00 AM

Thanks Melissa.

From: Ash, Melissa
Sent: Wednesday, March 16, 2011 6:33 PM
To: Calero, Alicia; Cruz, Holly; Golla, Joe; Hon, Andrew; Honcharik, Michelle; Jolicoeur, John; Lenning, Ekaterina; Miller, Barry; Philpott, Stephen; Rowley, Jonathan; Stuchell, Sheldon
Subject: FYI: SRM - SECY-11-0014 - Use of Containment Accident Pressure in Analyzing Emergency Core Cooling System and Containment Heat Removal System Pump Performance in Postulated Accidents

Subject: SRM - SECY-11-0014 - Use of Containment Accident Pressure in Analyzing Emergency Core Cooling System and Containment Heat Removal System Pump Performance in Postulated Accidents

(ML110740254)

In an effort to keep the NRC staff informed of Commission decisions in a timely manner, attached for your information are the Staff Requirements Memoranda (SRMs) signed by the Secretary on March 15, 2011. Please make additional distribution to interested staff members in your office.

If you have any questions, please give me a call on 415-1969.

From: Nichols, Craig (GE Power & Water)
To: Golla, Joe
Subject: Re: May BWROG Executive Committee Meeting
Date: Thursday, March 17, 2011 8:06:51 AM

Joe
Sorry for not responding yesterday. We will be having a meeting on the 28th of March to develop these topics, so I will get you the info on the 29th. Although I expect that events of the past week may alter what the Execs of both orgs were originally thinking.
Yes the meeting is scheduled for 0800 to 1200 on Thursday, May 26th. Please let me know the plans for the public meeting and I will have my logistics person work with you for public notice and meeting accommodation.
Best Regards, Craig Nichols - Manager, BWR Owners Group (910) 233-2944

From: Golla, Joe <Joe.Golla@nrc.gov>
To: Nichols, Craig (GE Power & Water)
Sent: Wed Mar 16 13:41:46 2011
Subject: May BWROG Executive Committee Meeting

Craig- do you know of any topics yet that the BWROG would like to discuss with the NRC at the BWROG EC meeting in May? Also, it's my understanding the session with the NRC will be the morning of May 26. Is that correct? We'll probably make this portion public.
Joe G/NRC

Joe Golla, Project Manager
US Nuclear Regulatory Commission
NRR/DPR/PLPB
301-415-1002

Satorius, Mark

From:	Martinez, Christine
Sent:	Thursday, March 17, 2011 8:14 AM
To:	All R3 Users
Cc:	Martin, Beverly
Subject:	Daily: 1 New Item from Wednesday, March 16, 2011
Attachments:	image001.gif

Correct contact number for me in the Announcement below is (630) 829-9625.

Christine Martinez
Human Resources Assistant

From: NRC Announcement [mailto:nrc.announcement@nrc.gov]
Sent: Wednesday, March 16, 2011 9:30 PM
To: NRC Announcement
Subject: Daily: 1 New Item from Wednesday, March 16, 2011

NRC Daily Announcements

- Employee Resources: 2011 Federal Long Term Care Insurance Program Open Season

Employee Resources: 2011 Federal Long Term Care Insurance Program Open Season

Announcing the 2011 Federal Long Term Care Insurance Program Open Season:
April 4 through June 24, 2011.

The Federal Long Term Care Insurance Program (FLTCIP) is conducting an Open Season this spring from
April 4 through June 24, 2011.

What is Long Term Care?

- Long term care is the care you need if you cannot perform activities of daily living (such as bathing and is generally not covered by health insurance, including FEHB or Medicare.
- The FLTCIP can help protect you from the high costs of this care. FLTCIP insurance is comprehensive, covering care provided in a variety of settings, including at home, in an assisted living facility, in a nursing home, and in other settings.
- The FLTCIP provides coverage if you require care in a country outside the United States. Some restrictions apply.

What makes this opportunity so special?
During the FLTCIP Open Season, you can apply using the abbreviated underwriting application

(you answer fewer health questions.) This is the first abbreviated underwriting opportunity for new applicants since 2002.

Eligibility
Abbreviated underwriting is available for actively at work Federal and U.S. Postal Service employees (civilian workforce members) and their spouses/same-sex domestic partners and active members of the uniformed services and their spouses who are not currently enrolled in the FLTCIP. Non-enrolled annuitants and other qualified relatives can apply for coverage at any time, but must complete a full underwriting application.

Take action today
- Visit the FLTCIP Wetsite to learn more.
- Have a Certified Long Term Care Insurance Consultant call you.
- Apply now or request a FLTCIP Open Season abbreviated application.*
- Attend an onsite FLTCIP Open Season workshop– check with your Benefits contact to see if the FLTCIP is conducting workshops in your area.
- Register for the FLTCIP Open Season webinar – **April 27th at 1 p.m. Eastern Time.**

  If you cannot view the live event, you can still view the archived event for 60 days, but you must register before April 5th, 2011.

For more information on the FLTCIP Open Season
Visit the FLTCIP Wetsite or call **1-800-LTC-FEDS** (1-800-582-3337) TTY 1-800-843-3557

For information on the LTC open season please contact the following NRC representatives.

Headquarters	Lisa Williams	301 415-1436
Region I	Riqueza Marziale	610-337-5174
Region II	Shelia Willis	404-997-4844
Region III	Christine Martinez	630-827-9625
Region IV	Sandy Lindsay	817-860-8237

TOP (2011-03-16 00:00:00.0) View item in a new window

The latest Announcements are always on the NRC@WORK Home Page.

Announcements by Date | Announcements by Category

Search Announcements: term term [Go]
Frequently Asked Questions About the NRC Daily Announcements Email

From: Hiland, Patrick
To: Harper, Kevin
Cc: Skeen, David
Subject: I"m working from home this a.m.
Date: Thursday, March 17, 2011 8:22:00 AM

Reminder:

Home phone: (b)(6)

Personal cell:

From: Haney, Catherine
To: Tallarico, Alison
Subject: RE: Action: ERB Items for Review
Date: Thursday, March 17, 2011 8:24:00 AM

(b)(5)

From: Tallarico, Alison
Sent: Wednesday, March 16, 2011 4:28 PM
To: Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Pederson, Cynthia; Satorius, Mark; Schaeffer, James; Sheron, Brian; Tallarico, Alison; Tracy, Glenn; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wert, Leonard; Wiggins, Jim
Subject: Action: ERB Items for Review

****For your eyes only****

TO ERB Members

We are sharing the following items for ERB review and information because the ERB is not scheduled to meet this week:

(b)(5),(b)(6)

Thanks
Alison Tallarico (for Johanna Gallagher)
301-492-2326

Satorius, Mark

From: (b)(6)
Sent: Tuesday, March 15, 2011 8:25 AM
To: Satorius, Mark
Subject: (b)(6)

(b)(6)

(b)(6)

(b)(6)

From: Craig, Jocelyn
To: NRR_DPR_Distribution
Subject: Christopher M. Regan will be out of the office today...
Date: Thursday, March 17, 2011 8:29:46 AM

Christopher M. Regan will be out of the office today March 17, 2011. Michael A. Dusaniwskyj will be acting branch chief for the Financial Analysis and International Projects Branch. Mr. Dusaniwskyj is located in O-12C6 and can be reached at 301-415-1260.

Thank you,

Jocelyn N. Craig
Administrative Assistant
Financial Analysis and International Projects Branch
Division of Policy & Rulemaking
Office of Nuclear Reactor Regulation
(301) 415-8501

From: Boger, Bruce
To: Gerke, Laura
Subject: RE: Feedback from Mtg with Div SC Reps
Date: Thursday, March 17, 2011 8:34:00 AM

Laura, Thanks for the feedback. My upcoming meetings with the DDs will also provide an opportunity to re-emphasize the living nature of the plans. Bruce

From: Gerke, Laura
Sent: Wednesday, March 16, 2011 3:20 PM
To: Boger, Bruce
Subject: Feedback from Mtg with Div SC Reps

All divisions except one attended, good sharing of ideas. I believe they found it helpful (I learned something), and we will do it periodically. There are two divisions that did not think beyond one year in their plans, but they are getting onboard with the idea that they need to. I mentioned your willingness to speak on safety culture at their div mtgs; I think you might be taken up on that!

When we next meet on March 28, I can give you more detail, but in sum: useful information shared, another opportunity to help people get to know one another within NRR, message given that a continued focus on safety culture is needed, we'll do this periodically.

Laura

From: (b)(6)
To:
Subject: (b)(6)
Date: Thursday, March 17, 2011 8:38:21 PM
Attachments: (b)(6) FlyerMar19.doc

(b)(6)

(b)(6)

(b)(6)

From: Golla, Joe
To: Jolicoeur, John
Subject: RE: DPR 2nd Qtr 2011 Accomplishments
Date: Thursday, March 17, 2011 8:50:00 AM

(b)(5)

From: Jolicoeur, John
Sent: Thursday, March 17, 2011 8:35 AM
To: NRR_DPR_PLPB_Distribution
Subject: FW: DPR 2nd Qtr 2011 Accomplishments

I've only received one input so far. Please get your info to me by noon today.

John

From: Jolicoeur, John
Sent: Monday, March 07, 2011 5:52 AM
To: Calero, Alicia; Hon, Andrew; Miller, Barry; Baxley, Dana; Lenning, Ekaterina; Cruz, Holly; Rowley, Jonathan; Golla, Joe; Honcharik, Michelle; Brown, Nathan; Stuchell, Sheldon; Philpott, Stephen
Subject: Fw: DPR 2nd Qtr 2011 Accomplishments

Please provide any accomplishments to me by COB 3/16. Thanks.
Sent from my NRC BlackBerry
John Jolicoeur

(b)(6)

From: Valentine, Nicholee
To: Helton, Shana; Rosenberg, Stacey; Regan, Christopher; Quichocho, Jessie; Eads, Johnny; Ross-Lee, MaryJane; Jolicoeur, John
Cc: McGinty, Tim; Blount, Tom; Quay, Theodore
Sent: Fri Mar 04 12:55:03 2011
Subject: DPR 2nd Qtr 2011 Accomplishments

Please provide me your 2nd Quarter Accomplishments by March 18th.

Please see the attached document for examples of accomplishments for 2nd quarter.

Thanks-
Nikki

(b)(5)

(b)(5)

(b)(6)

(b)(6)

From: Silk, Anne
To: Cheok, Michael; Lee, Samson
Cc: Graham, Camillea
Subject: 9:45 ET Significant Topic Meeting has been canceled today.
Date: Thursday, March 17, 2011 8:58:31 AM

Mike & Sam,

I left a message on Camillea's voice mail, but in case she is not in, today's ET Significant Topic meeting at 9:45 in canceled. The ET is not available. Bill is probably mentioning this at the standup right now, but just wanted to follow-up.

Thanks,
Anne

From: Golla, Joe
To: Jolicoeur, John
Subject: RE: DPR 2nd Qtr 2011 Accomplishments
Date: Thursday, March 17, 2011 8:57:00 AM

(b)(5)

From: Jolicoeur, John
Sent: Thursday, March 17, 2011 8:35 AM
To: NRR_DPR_PLPB_Distribution
Subject: FW: DPR 2nd Qtr 2011 Accomplishments

I've only received one input so far. Please get your info to me by noon today.

John

From: Jolicoeur, John
Sent: Monday, March 07, 2011 5:52 AM
To: Calero, Alicia; Hon, Andrew; Miller, Barry; Baxley, Dana; Lenning, Ekaterina; Cruz, Holly; Rowley, Jonathan; Golla, Joe; Honcharik, Michelle; Brown, Nathan; Stuchell, Sheldon; Philpott, Stephen
Subject: Fw: DPR 2nd Qtr 2011 Accomplishments

Please provide any accomplishments to me by COB 3/16. Thanks.
Sent from my NRC BlackBerry
John Jolicoeur
(b)(6)

From: Valentine, Nicholee
To: Helton, Shana; Rosenberg, Stacey; Regan, Christopher; Quichocho, Jessie; Eads, Johnny; Ross-Lee, MaryJane; Jolicoeur, John
Cc: McGinty, Tim; Blount, Tom; Quay, Theodore
Sent: Fri Mar 04 12:55:03 2011
Subject: DPR 2nd Qtr 2011 Accomplishments

Please provide me your 2nd Quarter Accomplishments by March 18th.

Please see the attached document for examples of accomplishments for 2nd quarter.

Thanks-
Nikki

From:	Valentine, Nicholee
To:	Golla, Joe
Subject:	Additional updated for DPR on Pand Plan Qrtrly Update March 2011
Date:	Thursday, March 17, 2011 8:58:30 AM
Attachments:	Pand Plan Qrtrly Update March 2011.docx

Marcus Voth is acting till the end of this week. Rotational Branch Chief has not been named as of yet for PRPB.

Appendix B Staffing Plans

Primary Staffing Plan for DSS

Branch	Job Tasks/Specialty	Staff Member
DSS/SRXB	Emergency Core Cooling System	Samuel Miranda Summer Sun Benjamin Parks
DSS/SNPB	Thermal-Hydraulics	Leonard Ward Yuri Orechwa Anthony Attard
DSS/SNPB	Core Physics/Fuels	Paul Clifford Anthony Attard Mathew Panicker
DSS/SNPB	Computer Codes/Modeling	Leonard Ward Joshua Kaizer Mathew Panicker
DSS/SBPB	Spent Fuel Storage	Steve Jones Gerald Purciarello Edward Smith
DSS/SBPB	Flooding/Tornadoes	Edward Smith Steve Jones Stanley Gardocki
DSS/SCVB	Containment	Richard Lobel Ahsan Sallman Brian Lee
DSS/SCVB	Ventilation	Harold Walker Jerome Bettle Janak Raval
DSS/SBPB	Heavy Loads/Cranes	Steve Jones Gerald Purciarello Edward Smith
DSS/SBPB	Balance of Plant Systems	Greg Casto Steve Jones Stanley Gardocki Gerald Purciarello Edward Smith
DSS/SSIB	ECCs Sump Strainer Performance	Ralph Architzel Steve Smith John Lehning

Primary Staffing Plan for DRA

Branch	Job Tasks/Specialty	Staff Member
DRA/AADB	Licensing: Radiological Accident Dose Assessment	John Parillo
DRA/AADB	Licensing: Radiological Accident Dose Assessment	Mark Blumberg
DRA/AADB	Licensing: Meteorological Assessment	Leta Brown
DRA/AFPB	Licensing: Licensing Actions Technical Analysis/Fire Protection	Daniel Frumkin
DRA/APLA	Licensing: Risk Analysis/Fire Protection	Ray Gallucci
DRA/AFPB	Licensing: Requests from Department of Navy/Fire Protection	Paul Lain
DRA/AFPB	Enforcement: Technical Reviews/Fire Protection	Alex Klein
DRA/AFPB	Inspection: Inspection/Fire Protection	Harold Barrett
DRA/APLA	Assurance of Safety while Responding to Licensee Exemption, Alternatives, and Relief Requests: Risk Assessment	Stephen Dinsmore Andrew Howe
DRA/APLA	*Imposition of Added Requirements To Ensure Safety and Security: Risk Assessment*	*Stephen Dinsmore* Ray Gallucci
DRA/APLA & APOB	Issuance of Enforcement Discretion for Temporary Exemptions from Regulations: Risk Assessment	Jeff Circle See-Meng Wong Andrew Howe
DRA/APOB	Relief of License Conditions: Performance of Risk Assessments in Support of Notices of Enforcement Discretion (NOEDs)	Jeff Circle Jeffrey Mitman Antonios Zoulis
DRA/APOB	Evaluation of Emergent Events: Risk Assessments in Support of Management Directive (MD) 8.3 and Manual Chapter 0309 events	Jeff Circle Jeffrey Mitman Antonios Zoulis
DRA/APOB	Evaluation of Events and Conditions: Risk Assessments for Use in the Significance Determination Process (SDP)	Jeff Circle Jeffrey Mitman Antonios Zoulis

NRR Pandemic Response Plan

Primary Staffing Plan for DPR

Branch	Job Tasks/Specialty	Current Staff Member
DPR/PLPB	NOED Process Lead	Sheldon Stuchell Dave Beaulieu John Jolicoeur
DPR/PGCB	Generic Communication Project Lead	Tanya Mensah Andrea Russell Thomas Alexion Stacey Rosenberg
DPR/PLPB	Pandemic NRR PM	Joseph Golla Andrea Russell Thomas Alexion Sheldon Stuchell
DPR/PRLB	Research and Test Reactor (RTR) Licensing	Alexander Adams ~~Jessie Quichocho~~ William Kennedy
DPR/PRLB	Navy Services	Alexander Adams Duane Hardesty ~~Jessie Quichocho~~
DPR/PROB	RTR Inspections	Patrick Isaac Craig Bassett Johnny Eads Gary Morlang
DPR/PRPLB	RTR Security/EP	~~Duane Hardesty~~ Alexander Adams Elizabeth Reed Scott Sloan
DPR/PRPB	Medical Isotope Facility (Moly 99)	Marcus Voth Ossy Font

Primary Staffing Plan for DIRS

Branch	Job Tasks/Specialty	Current Staff Member
DIRS/ITSB	Licensing: Review of Emergent Technical Specification Change Amendments	Gerald Waig Carl Schulten Matthew Hamm Ravi Grover Kristy Bucholtz
DIRS/IRIB	Inspections: Review of Baseline Inspection Scope Changes	Jim Isom Aron Lewin Jeremy Bowen Donald Norkin Ross Telson
DIRS/IHPB	Licensing: Human Factors and Fatigue Rule (10 CFR Part 26, Subpart I)	Michael Boggi Kamishan Martin

Primary Staffing Plan for DCI

Branch	Job Tasks/Specialty	Current Staff Member
DCI DCI/CSGB	Steam Generators	Kenneth Karwoski Emmett Murphy
DCI DCI/CPNB DCI/CVIB	Reactor Coolant System (RCS) Leakage Monitoring	Kenneth Karwoski Keith Hoffman Matthew Mitchell
DCI/CPNB DCI	Leak Before Break	John Tsao Robert Hardies
DCI/CPNB DCI/CVIB DCI	Operational Leakage	Tim Lupold Matthew Mitchell Kenneth Karwoski
DCI/CSGB	Containment Sump Chemical Effects	Paul Klein Matthew Yoder
DCI/CSGB	Coatings	Matthew Yoder Emma Wong
DCI/CSGB	Chemical Engineering	Matthew Yoder Emma Wong
DCI/CPTB	Valves	John Huang John Billerbeck
DCI/CPTB	Diesel Generators	Robert Wolfgang Michael Farnan
DCI/CPTB	Pumps	Robert Wolfgang Gurjendra Bedi
DCI/CPNB DCI DCI/CVIB	Corrosion	Dave Alley Robert Hardies Ganesh Cheruvenki
DCI/CPNB DCI DCI/CVIB DCI/CVIB	Welding	Jay Collins Robert Hardies Edward Andruszkiewicz Ganesh Cheruvenki
DCI/CPNB	American Society of Mechanical Engineers (ASME) Code Nondestructive Examination (NDE)	Donald Naujock Tim Lupold Carol Nove
DCI/CPNB DCI/CPNB DCI/CVIB DCI/CVIB	ASME Code Flaw Evaluation	John Tsao Keith Hoffman Simon Sheng Matthew Mitchell
DCI/CVIB DCI/CVIB DCI/CVIB DCI DCI/CVIB	Reactor Pressure Vessel Materials, Inspection, Surveillance, Internals	Thomas McLellan Carolyn Fairbanks Ganesh Cheruvenki Robert Hardies Matthew Mitchell

Primary Staffing Plan for DE

Branch	Job Tasks/Specialty	Staff Member
	Headquarters Incident Response Team	Patrick Hiland
DE/EEEB	Diesel Generators	Gurcharan Matharu Matthew McConnell Vijay Goel
DE/EEEB	Grid Reliability/ Stability	Kenn Miller Gurcharan Matharu
DE/EECB	Battery	Matthew McConnell Prem Sahay
DE/EECB	Environmental Qualification	Matthew McConnell Prem Sahay
DE/EMCB	Mechanical Engineering	Alexander Tsirigotis Chakrapani Basavaraju William Jessup
DE/EMCB	Structural Engineering	Farhad Farzam George Thomas
DE/EICB	Analog Instrumentation & Control Engineering	David Rahn Rich Stattel Stephen Wyman
DE/EICB	Digital Instrumentation & Control Engineering	Norbert Carte Gursharan Singh Bernard Dittman
DE/AT	Allegations	Lois James Joseph Petrosino Paul Prescott Robert Pettis
DE/EQVB	Quality Assurance	Paul Prescott Robert Pettis Jonathan Ortega
All Branches	Support Staff	All Branches

Staffing Plan for DORL

DORL will use backup PMs according to the DORL roster, available on the NRC webpage. If backup PMs are not available, DORL will choose the most accessible and logical person (i.e., a person with exposure to the affected plant, branch chief, or acting person according to the order of succession).

Branch	Staff Member (PMs)
LPL1-2	Bamford, Peter
LPL3-1	Beltz, Terry
LPL 3-2	Billoch, Araceli
LPL1-1	Boska, John
LPL2-1	Boyle, Patrick
LPL3-2	Brown, Eva
LPL3-1	Chawla, Mahesh
LPL2-1	Cotton, Karen
LPL3-2	David, Marshall
LPL3-2	DiFrancesco, Nicholas
LPL1-2	Ennis, Rick
LPL3-1	Feintuch, Karl
LPL4	Gibson, Lauren
LPL2-2	Gratton, Christopher
LPL1-1	Guzman, Richard
LPL4	Hall, Randy
LPL1-2	Hughey, John
LPL4	Kalyanam, Kaly
LPL1-1	Kim, James
WB	Lamb, John
LPL2-2	Lingam, Siva
WB	Lyon, Fred
LPL3-2	Mahoney, Michael
LPL2-1	Martin, Robert
WB	Milano, Pat
LPL1-2	Miller, Ed
LPL1-1	Morgan, Nadiyah
LPL2-2	Mozafari, Brenda
LPL3-2	Norton, Charles
LPL2-2	Orf, Tracy
LPL2-2	Paige, Jason
LPL1-1	Pickett, Douglas
LPL4	Polickoski, James
WB	Poole, Justin
WB	Raghavan, L.
LPL2-2	Saba, Farideh
LPL1-2	Sanders, Carleen
LPL4	Singal, Balwant
LPL2-1	Sreenivas, V.
LPL2-1	Stang, John
LPL3-1	Tam, Peter
LPL4	Thadani, Mohan
LPL2-1	Thompson, Jon
LPL1-1	Vaidya, Bhalchandra

LPL4	Wang, Alan
LPL3-1	Wengert, Thomas
WB	Wiebe, Joel
LPL4	Wilkins, Lynnea

Primary Staffing Plan for PMDA

Branch	Job Tasks/Specialty	Staff Member
CMB	Enterprise Support Function: Contracts	Marianne Narick Bernard Grenier Karyn Hannum Richard Daniel Tamara Williams
BFEB	Enterprise Support Function: Budget Execution	Hong Le Carolyn Nguyen Sylvia Valencia Gary Tharpe
BFEB	Enterprise Support Function: Budget Formulation	Hong Le Karenina Newell Arlette Howard
ISB	Enterprise Support Function: Time and Labor	T.J. Gorham Makeeka Compton Tasheena Burton
BFEB	Enterprise Support Function: Travel	Hong Le Cynthia Dorsey Sylvia Valencia
ISB	Enterprise Support Function: Records Management	T.J. Gorham Leslie Hill Sandra Walker Patti Craver
ITB	Enterprise Support Function: *Computer System Support*	Bryan Champion Indu Konduri Gayathri Sastry

Appendix E Office of Nuclear Reactor Regulation Order of Succession

Position	Order of Succession	Currently Filled by
Director, Office of Nuclear Reactor Regulation (NRR)	1. Deputy Director for Reactor Safety Programs 2. Deputy Director for Engineering and Corporate Support 3. Director, Division of Operating Reactor Licensing (DORL) 4. Director, Division of Inspection and Regional Support (DIRS)	1. Bruce Boger 2. Jack Grobe 3. Joseph Giitter 4. Frederick Brown
Deputy Director for Reactor Safety Programs	1. Director, DORL 2. Director, DIRS 3 Director, Division of Policy and Rulemaking (DPR) 4. Director, Division of License Renewal (DLR)	1. Joseph Giitter 2. Frederick Brown 3. Timothy McGinty 4. Brian Holian
Deputy Director for Engineering and Corporate Support	1. Director, Division of Safety Systems (DSS) 2. Director, Division of Component Integrity (DCI) 3. Director, Division of Engineering (DE) 4. Director, Division of Risk Assessment (DRA)	1. William Ruland 2. Michele Evans 3. Patrick Hiland 4. Mark Cunningham
Director, DRA	1. Deputy Director, DRA 2. Deputy Director for Fire Protection, DRA 3. Branch Chief, Probabilistic Risk Assessment (PRA) Licensing Branch A (APLA) 4. Branch Chief, Fire Protection Branch (AFPB) 5. Branch Chief, PRA Operational Support and Maintenance (APOB) 6 Branch Chief, Accident Dose Branch (AADB)	1. Samson Lee 2. Sunil Weerakkody 3. Donnie Harrison 4. Alex Klein 5. Veronica Rodriguez 6. Travis Tate

NRR Pandemic Response Plan

Position	Order of Succession	Currently Filled by
Director, DSS	1. Deputy Director, DSS 2. Branch Chief, Containment and Ventilation Branch (SCVB) 3. Branch Chief, Reactor Systems Branch (SRXB) 4. Branch Chief, Nuclear Performance and Code Review Branch (SNPB) 5. Branch Chief, Balance of Plant Branch (SBPB) 6. Branch Chief, Safety Issue Resolution Branch (SSIB)	1. Sher Bahadur 2. Anthony Ulses 3. Robert Dennig 4. Anthony Mendiola 5. Greg Casto 6. Stewart Bailey
Director, DE	1. Deputy Director, DE 2. Branch Chief, Electrical Engineering Branch (EEEB) 3. Branch Chief, Mechanical and Civil Engineering Branch (EMCB) 4. Branch Chief, Instrumentation and Controls Branch (EICB) 5. Branch Chief, Quality and Vendor Branch (EQVB) 6. Team Lead, Allegations Team (AT)	1. David Skeen 2. George Wilson 3. Meena Khanna 4. David Rahn, Rich Stattel, Norbert Carte 5. Martin Murphy 6. Lois James
Director, DCI	1. Deputy Director, DCI 2. Branch Chief, Vessels and Internals Integrity Branch (CVIB) 3. Branch Chief, Steam Generator Tube Integrity and Chemical Engineering Branch (CSGB) 4. Branch Chief, Piping and Nondestructive Examination (NDE) Branch (CPNB) 5. Branch Chief, Component Performance and Testing Branch (CPTB)	1. John Lubinski 2. Matthew Mitchell 3. Robert Taylor 4. Tim Lupold 5. Anthony McMurtray
Director, DORL	1. Deputy Director, DORL 2. Deputy Director, DORL 3. Branch Chief, Plant Licensing Branch (LPL) 1-2 4. Branch Chief, LPL 4 5. Branch Chief, LPL 1-1	1. Robert Nelson 2. Allen Howe 3. Harold Chernoff 4. Michael Markley 5. Nancy Salgado
Director, DIRS	1. Deputy Director 2. Deputy Director 3. Branch Chief, Reactor Inspection Branch (IRIB) 4. Branch Chief, Operating Experience Branch (IOEB) 5. Branch Chief, Performance Assessment Branch (IPAB)	1. Frederick Brown 2. Michael Cheok 3. Timothy Kobetz 4. John Thorp 5. Rani Franovich

NRR Pandemic Response Plan

Position	Order of Succession	Currently Filled by
Director, DPR	1. Director, DPR 2. Deputy Directors, DPR 3. ~~Deputy Directors, DPR~~ 4. Branch Chief, Generic Communications and Power Uprate Branch (PGCB) 5. Branch Chief, Licensing Processes Branch (PLPB) 6. Branch Chief, Rulemaking ~~and International Project~~ Branch (~~PRIB~~ PRMB) 7. Branch Chief, Financial Analysis and International Projects Branch (~~PFPB~~ PFIB) 8. Branch Chief, Research and Test Reactor Licensing Branch (PRLB) 9. Branch Chief, Research and Test Reactors Oversight Branch (PROB) 10. Research and Test Reactor Project Branch (PRPB)	1. Tim McGinty 2. Tom Blount ~~3. Theodore Quay~~ 4. Stacey Rosenberg 5. John Jolicoeur 6. Shana Helton 7. Christopher Regan 8. Jessie Quichocho 9. Johnny Eads 10. ~~MaryJane Ross-Lee~~ Marcus Voth
Director, DLR	1. Deputy Director, DLR 2. Branch Chief, Projects Branch 1 (RPB1) 3. Branch Chief, Projects Branch 2 (RPB2) 4. Branch Chief, Aging Management of Reactor Systems and Guidance Update Branch (RARB) 5. Branch Chief, Aging Management of Plant Systems Branch (RAPB) 6. Branch Chief, Aging Management of Structures, Electrical, and Systems Branch (RASB)	1. Melanie Galloway 2. Bo Pham 3. David Wrona 4. Jerry Dozier 5. David Pelton 6. Raj Auluck
Director, Program Management, Policy Development, and Analysis (PMDA)	1. Deputy Director 2. Branch Chief, Information Technology Branch (ITB) 3. Branch Chief, Infrastructure Services Branch (ISB) 4. Branch Chief, Budget Formulation and Execution Branch (BFEB) 5. Branch Chief, Contracts Management Branch (CMB) 6. Branch Chief, Human Capital Branch (HCB)	1. Kimberly Ferrell 2. Bryan Champion 3. TaJuan Gorham 4. Hong Le 5. Marianne Narick 6. Rohn Brown

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NRR Pandemic Response Plan

Deputy Directors	Order of Succession	Currently Filled by
Deputy Director, DRA	1 Deputy, Fire Protection 2. Branch Chief, APLA 3. Branch Chief, AFPB 4. Branch Chief, APOB 5. Branch Chief, AADB	1. Sunil Weerakkody 2. Donnie Harrison 3. Alex Klein 4. Veronica Rodriguez 5. Travis Tate
Deputy Director, DSS	1. Branch Chief, SCVB 2. Branch Chief, SRXB 3. Branch Chief, SNPB 4. Branch Chief, SBPB 5 Branch Chief, SSIB	1. Anthony Ulses 2. Robert Dennig 3. Anthony Mendiola 4. Greg Casto 5. Stewart Bailey
Deputy Director, DE	1. Branch Chief, EEEB 2. Branch Chief, EMCB 3. Branch Chief, EICB 4. Branch Chief, EQVB 5. Sr. Allegations Coord., AT	1. George Wilson 2. Meena Khanna 3. David Rahn, Rich Stattel, Norbert Carte 4. Martin Murphy 5. Lois James
Deputy Director, DCI	1. Branch Chief, CVIB 2. Branch Chief, CSGB 3. Branch Chief, CPNB 4. Branch Chief, CPTB	1. Matthew Mitchell 2. Robert Taylor 3. Tim Lupold 4. Anthony McMurtray
Deputy Director, DORL	1. Director, DORL 2. Deputy Director, DORL 3. Branch Chief, LPL1-2 4. Branch Chief, LPL4 5. Branch Chief, LPL1-1	1. Joseph Giitter 2. Robert Nelson, Allen Howe 3. Harold Chernoff 4. Michael Markley 5. Nancy Salgado
Deputy Director, DIRS	1. Deputy Director 2. Branch Chief, IRIB 3. Branch Chief, IOEB 4. Branch Chief, IPAB 5. Branch Chief, Technical Specifications Branch (ITSB)	1. Michael Cheok 2. Timothy Kobetz 3. John Thorp 4. Rani Franovich 5. Robert Elliott
Deputy Director, DPR	1. Director 2. Deputy Director, DPR ~~3. Deputy Director, DPR~~ 4. Branch Chief, (PGCB) 5. Branch Chief, (PLPB) 6. Branch Chief, (PRIB) 7. Branch Chief, (PFAB) 8. Branch Chief, (PRLB) 9. Branch Chief, (PROB) 10.Branch Chief, (PRPB)	1. Tim McGinty 2. Tom Blount ~~3. Theodore Quay~~ 4. Stacey Rosenberg 5. John Jolicoeur 6. Shana Helton 7. Christopher Regan 8. Jessie Quichocho 9. Johnny Eads 10. ~~MaryJane Ross-Lee~~ Marcus Voth

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NRR Pandemic Response Plan

Deputy Director, DLR	1. Branch Chief, RPB1 2. Branch Chief, RPB2 3. Branch Chief, RARB 4. Branch Chief, RAPB 5. Branch Chief, RASB	1. Bo Pham 2. David Wrona 3. Jerry Dozier 4. David Pelton 5. Raj Auluck
Branch Chiefs	**Order of Succession**	**Currently Filled by**
Branch Chief, APLA	1. Senior Risk Analyst 2. Senior Risk Analyst 3. Senior Risk Analyst	1. Andrew Howe 2. Stephen Dinsmore 3. Raymond Gallucci
Branch Chief, APOB	1. Senior Reliability Analyst 2. Senior Risk Analyst 3. Senior Reactor Analyst	1. Jeff Circle 2. Jeff Mitman 3. See-Meng Wong
Branch Chief, AADB	1. Senior Dose Analyst 2. Senior Dose Analyst 3. Dose Analyst 4. Meteorological Assessment	1. Mark Blumberg 2. John Parillo 3. Dylanne Duvigneaud 4. Leta Brown
Branch Chief, AFPB	1. Team Leader 2. Senior Fire Protection Engineer 3. Senior Fire Protection Engineer 4. Fire Protection Engineer	1. Daniel Frumkin 2. Paul Lain 3. Harold Barrett 4. Naeem Iqbal
Branch Chief, SRXB	1. Senior Reactor Systems Engineer 2. Senior Reactor Systems Engineer 3. Senior Reactor Systems Engineer	1. Sam Miranda 2. Summer Sun 3. Warren Lyon
Branch Chief, SBPB	1. Senior Plant Systems Engineer 2. Senior Plant Systems Engineer 3. Senior Plant Systems Engineer 4. Senior Plant Systems Engineer	1. Steve Jones 2. Gerard Purciarello 3. Stanley Gardocki 4. Edward Smith
Branch Chief, SCVB	1. Senior Engineer 2. Senior Engineer 3. Senior Engineer	1. Richard Lobel 2. Jerome Bettle 3. Ahsan Sallman
Branch Chief, SNPB	1. Senior Nuclear Engineer 2. Senior Reactor Engineer 3. Senior Engineer	1. Anthony Attard 2. Leonard Ward 3. Yuri Orechwa
Branch Chief, SSIB	1. Reactor Systems Engineer 2. Reactor Systems Engineer 3. Reactor Systems Engineer	1. Ralph Architzel 2. James Beall 3. Steve Smith
Branch Chief, EEEB	1. Team Leader (Senior Electrical Engineer) 2. Senior Electrical Engineer 3. Senior Electrical Engineer	1. Roy Mathew 2. Matthew McConnell 3. Kenn Miller

Branch Chief, EICB	1. Senior Instrumentation and Control Engineer 2. Senior Instrumentation and Control Engineer 3. Senior Instrumentation and Control Engineer	1. Norbert Carte 2. Richard Stattel 3. David Rahn
Branch Chief, EMCB Meena Khanna	1. Senior Structural Engineer 2. Senior Mechanical Engineer 3. Senior Mechanical Engineer	1. Farhad Farzam 2. Alexander Tsirigotis 3. Chakrapani Basavaraju
Branch Chief, EQVB	1. Senior Operations Engineer 2. Senior Reactor Systems Engineer 3. Senior Operations Engineer	1. Paul Prescott 2. Robert Pettis 3. Jonathan Ortega
Branch Chief, CPNB Tim Lupold	1. Senior Materials Engineer 2. Senior Materials Engineer 3. Materials Engineer 4. Materials Engineer 5. Materials Engineer	1. John Tsao 2. Jay Collins 3. Keith Hoffman 4. Donald Naujock 5. Carol Nove
Branch Chief, CVIB Matthew Mitchell	1. Senior Materials Engineer 2. Senior Materials Engineer 3. Senior Materials Engineer 4. Materials Engineer 5. Materials Engineer 6. Materials Engineer	1. Simon Sheng 2. Carolyn Fairbanks 3. Jeff Poehler 4. Thomas McLellan 5. Ganesh Cheruvenki 6. Patrick Purtscher
Branch Chief, CSGB Robert Taylor	1. Senior Materials Engineer 2. Senior Materials Engineer 3. Senior Chemical Engineer 4. Materials Engineer 5. Materials Engineer 6. Chemical Engineer	1. Emmett Murphy 2. Paul Klein 3. Matthew Yoder 4. Andrew Johnson 5. Prakash Patnaik 6. Emma Wong
Branch Chief, CPTB Anthony McMurtray	1. Senior Mechanical Engineer 2. Senior Mechanical Engineer 3. Senior Mechanical Engineer	1. Y.S. (John) Huang 2. Robert Wolfgang 3. Gurjendra Bedi
Branch Chief, LPL1-1 Nancy Salgado	1. Branch Chief 1-2 2. Branch Chief 2-1 3. Branch Chief 2-2 4. Branch Chief 3-1 5. Branch Chief 3-2	1. Harold Chernoff 2. Gloria Kulesa 3. Doug Broaddus 4. Robert Pascarelli 5. Robert Carlson
Branch Chief, LPL1-2 Harold Chernoff	1. Branch Chief 1-1 2. Branch Chief 2-1 3. Branch Chief 2-2 4. Branch Chief 3-1 5. Branch Chief 3-2	1. Nancy Salgado 2. Gloria Kulesa 3. Doug Broaddus 4. Robert Pascarelli 5. Robert Carlson
Branch Chief, LPL2-1 Gloria Kulesa	1. Branch Chief 2-2 2. Branch Chief 3-1 3. Branch Chief 3-2 4. Branch Chief 4 5. Branch Chief WB	1. Doug Broaddus 2. Robert Pascarelli 3. Robert Carlson 4. Michael Markley 5. Stephen Campbell

NRR Pandemic Response Plan

Branch Chief, LPL2-2 Doug Broaddus	1. Branch Chief 2-1 2. Branch Chief 3-1 3. Branch Chief WB 4. Branch Chief 4 5. Branch Chief 3-2	1. Gloria Kulesa 2. Robert Pascarelli 3. Stephen Campbell 4. Michael Markley 5. Robert Carlson
Branch Chief, LPL3-1 Robert Pascarelli	1. Branch Chief 3-2 2. Branch Chief 1-2 3. Branch Chief 4 4. Branch Chief WB 5. Branch Chief 1-1	1. Robert Carlson 2. Harold Chernoff 3. Michael Markley 4. Stephen Campbell 5. Nancy Salgado
Branch Chief, LPL3-2 Robert Carlson	1. Branch Chief 3-1 2. Branch Chief 4 3. Branch Chief WB 4. Branch Chief 1-1 5. Branch Chief 1-1	1. Robert Pascarelli 2. Michael Markley 3. Stephen Campbell 4. Nancy Salgado 5. Harold Chernoff
Branch Chief, LPL4 Michael Markley	1. Branch Chief WB 2. Branch Chief 2-2 3. Branch Chief 1-2 4. Branch Chief 2-1 5. Branch Chief 1-1	1. Stephen Campbell 2. Doug Broaddus 3. Harold Chernoff 4. Gloria Kulesa 5. Nancy Salgado
Branch Chief, WB2 Stephen Campbell	1. Branch Chief 4 2. Branch Chief 3-1 3. Branch Chief 1-2 4. Branch Chief 2-1 5. Branch Chief 2-2	1. Michael Markley 2. Robert Pascarelli 3. Harold Chernoff 4. Gloria Kulesa 5. Doug Broaddus
Branch Chief, IRIB Timothy Kobetz	1. Senior Staff 2. Senior Staff 3. Senior Staff	1. Jim Isom 2. Ross Telson 3. Jeremy Bowen
Branch Chief, IOEB John Thorp	1. Senior Staff 2. Senior Staff 3. Senior Staff	1. Eric Thomas 2. Mark King 3. Steve Pannier
Branch Chief, IPAB Rani Franovich	1. Senior Staff 2. Senior Staff 3. Senior Staff	1. Ronald Frahm 2. Armando Masciantonio 3. Paul Bonnett
Branch Chief, ITSB Robert Elliot	1. Senior Staff 2. Senior Staff 3. Senior Staff	1. Gerald Waig 2. Carl Schulten 3. Matthew Hamm
Branch Chief, IOLB John McHale	1. Senior Staff 2. Senior Staff 3. Senior Staff	1. John Munro 2. Timothy Kolb 3. Dave Muller
Branch Chief, IHPB Undine Shoop	1. Senior Staff 2. Senior Staff 3. Senior Staff	1. Roger Pedersen 2. Steven Garry 3. Michael Boggi

NRR Pandemic Response Plan

Branch Chief, PGCB	1. Senior Project Manager 2. Senior Project Manager 3. Senior Project Manager 4. Project Manager	1. Thomas Alexion 2. ~~Anthony Markley~~ Eric Bowman 3. Sheldon Stuchell 4. Andrea Russell
Branch Chief, PLPB	1. Senior Project Manager 2. Senior Project Manager 3. Project Manager ~~4. Project Manager~~	1. Michelle Honcharik 2. Tanya Mensah 3. Holly Cruz 4. ~~Eric Bowman~~ or you can add: Barry Miller
Branch Chief, ~~PRIB~~ PRMB	1. Senior Project Manager 2. Senior Project Manager 3. Senior Program Manager 4. Senior Program Manager ~~4. Senior Project Manager for International Programs~~ ~~5. Project Manager~~	1. Mark Padovan 2. Stewart Schneider 3. Timothy Reed 4. Richard Dudley ~~4. Jon Hopkins~~ ~~5. Veronica Rodriguez~~
Branch Chief, PRLB	1. Senior Project Manager 2. Senior Project Manager 3. Senior Project Manager	1. Alexander Adams 2. Linh Tran 3. Duane Hardesty
Branch Chief, PROB	1. Senior Project Manager 2. Reactor Inspector 3. Reactor Inspector 4. Reactor Engineer	1. Patrick Isaac 2. Craig Bassett 3. Gregory Schoenebeck 4. Paul Doyle
Branch Chief, ~~PFAB~~ PFIB	1. ~~1.~~ International Team Leader 2. Senior Financial Analyst ~~2. Senior Project Manager~~ 3. Senior Cost Analyst ~~4. Financial Analyst~~ 4. Senior Project Manager for International Programs 5. ~~Project Manager~~ Financial Analyst	1. Heather Astwood 2. Clayton Pittiglio 2. ~~Richard Dudley~~ 3. Brian Richter 4. ~~Michael Dusaniwskyj~~ Jon Hopkins ~~5. Lauren Quinones~~ 5. Michael Dusaniwskyj
Branch Chief, PRPB	1. Senior Project Manager 2. Project Manager 3. General Engineer	1. Marcus Voth 2. Elizabeth Reed 3. Ossy Font
Branch Chief, CMB	1. Technical Assistance PM 2. Technical Assistance PM 3. Technical Assistance PM	1. Bernard Grenier 2. Karyn Hannum 3. Richard Daniel
Branch Chief, ISB	1. Senior Program Analyst 2. Senior Program Analyst 3. Management Analyst	1. Lauren Claggett 2. Burnie James 3. Sandra Walker
Branch Chief, BFEB	1. Senior Financial Analyst 2. Senior Program Analyst	1. Caroline Nguyen 2. Karenina Newell
Branch Chief, HCB	1. Senior Management Analyst 2. Management Analyst 3. Management Analyst	1. Lynne Sapp 2. Michelle Manahan 3. Sue Decker

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Branch Chief, ITB	1. Senior IT Specialist 2. Senior IT Specialist 3. Senior IT Specialist	1. Indu Konduri 2. Gayathri Sastry 3. Louise Lovell

From:	Cunningham, Liza
To:	Franovich, Rani
Cc:	NRR_DIRS_IPAB Distribution; RidsNrrOd Resource; NRR_DIRS_IRIB Distribution; RidsOgcMailCenter Resource; RidsOpaMail Resource; RidsAdmMailCenter Resource; RidsRgn1MailCenter Resource; RidsRgn2MailCenter Resource; RidsRgn3MailCenter Resource; RidsRgn4MailCenter Resource; Brown, Frederick; Cheok, Michael; Weerakkody, Sunil; Shoop, Undine; McHale, John; Collins, Daniel; Clifford, James; Roberts, Darrell; Wilson, Peter; Croteau, Rick; Munir, Mohammad; Jones, Wanda; Christensen, Harold; West, Steven; Shear, Gary; Reynolds, Steven; OBrien, Kenneth; Clark, Jeff; Vegel, Anton; Caniano, Roy; Pruett, Troy; Powell, Raymond; Hopper, George; Lara, Julio; Hay, Michael; Costello, Ralph; Barry, Terrence; Frye, Timothy; Jimenez, Jose; Thorp, John
Subject:	Summary of the Reactor Oversight Process Monthly Public Meeting Held on February 16, 2011
Date:	Thursday, March 17, 2011 8:58:36 AM
Attachments:	ML11068A009.APK

DATE: March 14, 2011

TO: Rani Franovich

FROM: Kevin Roche

SUBJECT: Summary of the Reactor Oversight Process Monthly Public Meeting Held on February 16, 2011

CONTACT: Kevin Roche
301-415-3106

ADAMS Accession Number: ML11068A009

Attachment ML11068A009.APK (107 Bytes) cannot be converted to PDF format.

From: Nguyen, Quynh
To: Leeds, Eric; Grobe, Jack; Boger, Bruce
Cc: Douglas Stone; Sheila Heen; Heather Sulejman; Deeds, Erin; Ruland, William
Subject: COMMAND DECISION: Postpone Difficult Conversations?
Date: Thursday, March 17, 2011 9:01:23 AM
Importance: High

Either way... I'll work with Triad to implement.

Thanks,
Quynh

PS Doug, thanks for the email!

From: Douglas Stone [mailto:stone@diffcon.com]
Sent: Thursday, March 17, 2011 8:41 AM
To: Nguyen, Quynh
Cc: Sheila Heen; Heather Sulejman
Subject: Re: Next Week

Hi Quynh,

As the difficult events in Japan grow worse, and there is the possibility of attendance attrition for our work with you all next week, Sheila and I wanted to put out some possible options. Our goal is to train the full raft of NRC folks as efficiently and economically as possible. All the options below work equally well from our point of view, so the only question is what works best for you all. We would treat any postponements as an "act of God," so no workshops fees to us would be incurred.

(1) We could keep next week's set up as it is.

(2) We could postpone Monday's follow up sessions, and still teach the third workshop on Tuesday and Wednesday. We could then merge the follow up for the three groups into two overall sessions (on one day) down the road, at an overall cost savings to you.

(3) We could postpone both the follow up workshops and the third workshop, and re-schedule for a time when attendance will be stronger and easier for participants.

As I mention, the contract states that canceling or postponing at this late date results in a full fee payment. However, due to the events in Japan, we would waive that provision and charge no fees until the workshops are re-scheduled (which would mean no additional fees for postponement). I should note that we have incurred some out of pocket costs on airline fees, and so we'd investigate changing those tickets (with some possible resulting fees that would need to be passed through to you all).

We are, of course, prepared and eager to come down next week, but we want to do what is best for the NRC in terms of the overall impact of our work with you. So, let us know your thoughts. Please call me when you get this and we can discuss. My number at Triad is (617) 547-1728, ext. 113.

Talk soon,

Doug

Satorius, Mark

From: West, Steven
Sent: Tuesday, March 15, 2011 9:04 AM
To: Tomczak, Tammy; Satorius, Mark; Pederson, Cynthia; Heck, Jared; Holt, BJ; Sotiropoulos, Dina; Rubic, Mark; Boland, Anne; Louden, Patrick; Shear, Gary; Reynolds, Steven; OBrien, Kenneth
Subject: RE: Principal Staff PAL for 3/15/11 (starting at 1:00p)

Process for office selection and moves

From: Tomczak, Tammy
Sent: Monday, March 14, 2011 1:03 PM
To: Satorius, Mark; Pederson, Cynthia; Heck, Jared; Holt, BJ; Sotiropoulos, Dina; Rubic, Mark; Boland, Anne; Louden, Patrick; West, Steven; Shear, Gary; Reynolds, Steven; OBrien, Kenneth
Subject: Principal Staff PAL for 3/15/11 (starting at 1:00p)

Happy Monday!

Please forward any potential items for the Principal Staff PAL to me by 11:00 a.m., Tuesday (03/15/11).

Thanks, and have a great day!

From: ANS DCSection
To: ans.dcsection
Subject: SCIENCE FAIR JUDGES NEEDED FOR THE DC FAIR
Date: Thursday, March 17, 2011 9:04:28 AM

We need judges for the DC Science Fair. The DC Science Fair Coordinators have decided to change the date and location for the Fair. They had trouble finding judges for Friday, April 1st and have about 600 students registered. This means that the DC Fair is the bigger than the other fairs that we judge.

The new date will be **Saturday**, April 2nd
The new location will be the DC Armory
The times are about the same:

Registration: 7:00 to 8:00 AM
Orientation: 8:00 to 8:30 AM
Judging: 8:30 to noon
Lunch: noon to 1:00 PM

We have enough judges for the other remaining science fairs.
Let's get out again this year and represent the ANS Washington DC Section in this very worthwhile endeavor.

Thanks for your support
Burt Koske
ANS-DC Education Chair
(b)(6)

Satorius, Mark

From: jeanna.dennis@ComEd.com
Sent: Thursday, March 17, 2011 9:18 AM
Subject: Additional Information Supporting Request for License Amendment Regarding Ultimate Heat Sink
Attachments: RS-11-035 -- UHS RAI Response.pdf

The attached file is being sent to you per the bcc distribution list.

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Exelon Generation
4300 Winfield Road
Warrenville, IL 60555

www.exeloncorp.com

Exelon. Nuclear

RS-11-035
March 16, 2011

10 CFR 50.90

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-001

Byron Station, Units 1 and 2
Facility Operating License Nos. NPF-37 and NPF-66
NRC Docket Nos. STN 50-454 and STN 50-455

Subject: Additional Information Supporting Request for License Amendment Regarding Ultimate Heat Sink

References:

1. Letter from P. R. Simpson (Exelon Generation Company, LLC) to U. S. Nuclear Regulatory Commission, "License Amendment Regarding Ultimate Heat Sink," dated June 30, 2009
2. Letter from P. R. Simpson (Exelon Generation Company, LLC) to U. S. Nuclear Regulatory Commission, "Additional Information Supporting Request for License Amendment Regarding Ultimate Heat Sink," dated January 25, 2010
3. Letter from J. L. Hansen (Exelon Generation Company, LLC) to U. S. Nuclear Regulatory Commission, "Additional Information Supporting Request for License Amendment Regarding Ultimate Heat Sink," dated July 1, 2010
4. Letter from J. L. Hansen (Exelon Generation Company, LLC) to U. S. Nuclear Regulatory Commission, "Additional Information Supporting Request for License Amendment Regarding Ultimate Heat Sink," dated November 8, 2010
5. Letter from N. J. DiFrancesco (U. S. Nuclear Regulatory Commission) to M. J. Pacilio (Exelon Generation Company, LLC), "Byron Station, Unit Nos. 1 and 2 – Request For Additional Information Related to License Amendment Regarding Ultimate Heat Sink (TAC Nos. ME1669 and ME1670)," dated December 28, 2010
6. Letter from J. L. Hansen (Exelon Generation Company, LLC) to U. S. Nuclear Regulatory Commission, "Response to Request for Additional Information Related to License Amendment Regarding Ultimate Heat Sink," dated January 31, 2011
7. Letter from M. Mahoney (U. S. Nuclear Regulatory Commission) to M. J. Pacilio (Exelon Generation Company, LLC), "Byron Station, Unit Nos. 1 and 2 – Request For Additional Information Related to License Amendment Regarding Ultimate Heat Sink (TAC Nos. ME1669 and ME1670)," dated February 14, 2011

In Reference 1, Exelon Generation Company, LLC, (EGC) requested a license amendment for Byron Station, Units 1 and 2, to revise Technical Specifications (TS) to add additional essential service water (SX) cooling tower fan requirements as a function of SX pump discharge temperature to reflect results of a revised analysis for the ultimate heat sink (UHS).

EGC supplemented Reference 1 by letters dated January 25, July 1, and November 8, 2010, and January 31, 2011 (References 2, 3, 4, and 6).

In Reference 5, the NRC requested that EGC provide additional information in support of their review of Reference 1. The Attachment of Reference 6 provided the requested information, with the exception of Question 1.a of Reference 5. As discussed with the NRC on January 27, 2011, and documented in Reference 6, the response to Question 1.a would be provided in a separate submittal.

In Reference 7, the NRC requested that EGC provide additional information in support of their review of Reference 1. Attachments 1 and 2 provide the requested information of Reference 7. Attachments 1 and 3 provide the requested information for Question 1.a of Reference 5.

The proposed TS changes provided in Attachment 2 supersede the changes previously provided to the NRC in References 1 and 4. The proposed TS Bases changes provided in Attachment 3, which supersede the changes previously provided to the NRC in Reference 1, are provided for information only and do not require NRC approval.

EGC has reviewed the information supporting a finding of no significant hazards consideration and the environmental consideration that were previously provided to the NRC in Attachment 1 of Reference 1. The additional information provided in this submittal does not affect the bases for concluding that the proposed license amendment does not involve a significant hazards consideration. In addition, the additional information provided in this submittal does not affect the bases for concluding that neither an environmental impact statement nor an environmental assessment needs to be prepared in connection with the proposed amendment.

In accordance with 10 CFR 50.91, "Notice for public comment; State consultation," paragraph (b), a copy of this letter and its attachments are being provided to the designated State of Illinois official.

There are no regulatory commitments contained in this letter.

Should you have any questions concerning this letter, please contact Ms. Lisa A. Schofield at (630) 657-2815.

I declare under penalty of perjury that the foregoing is true and correct. Executed on the 16th day of March 2011.

Respectfully,

Jeffrey L. Hansen
Manager – Licensing
Exelon Generation Company, LLC

Attachments:
1. Response to Request for Additional Information
2. Markup of Technical Specifications Pages for Byron Station, Units 1 and 2
3. Markup of Technical Specifications Bases Pages for Byron Station, Units 1 and 2

cc: NRC Regional Administrator, Region III
NRC Senior Resident Inspector, Byron Station
NRR Project Manager, Byron Station
Illinois Emergency Management Agency – Division of Nuclear Safety

ATTACHMENT 1
Response to Request for Additional Information

By letter to the Nuclear Regulatory Commission (NRC) dated June 30, 2009, Exelon Generation Company, LLC, (EGC) requested a license amendment for Byron Station, Units 1 and 2, to revise Technical Specifications (TS) to add additional essential service water (SX) cooling tower fan requirements as a function of SX pump discharge temperature to reflect results of a revised analysis for the ultimate heat sink (UHS). EGC supplemented this request by letters dated January 25, July 1, and November 8, 2010, and January 31, 2011.

In letters dated December 28, 2010, and February 14, 2011, the NRC requested that EGC provide additional information related to the June 30, 2009, request. Attachments 1, 2, and 3 provide the requested information for Question 1.a of the December 28, 2010, letter and for the February 14, 2011, letter.

Request for Additional Information Dated February 14, 2011

Question 1:

The UHS is required to be OPERABLE in MODES 1 through 4. Eight cooling tower fans running in fast speed are necessary to ensure basin temperature does not reach 100°F following a LOCA/loss of offsite power at one unit concurrent with the safe shutdown from maximum power of the other unit under bounding conditions. When 8 fans are not OPERABLE and in fast speed while the plant is in MODES 1 through 4 under bounding conditions, LCO 3.7.9 is not met. As an alternative to shutting down the reactor, the TS allow entry into LCO 3.7.9 Condition A and performance of REQUIRED ACTIONS A.1 and A.2.

The Facility Operating License (FOL) for Byron contains a set of rules for the use and application of Byron TS's. The BACKGROUND section on Page 1.3-1 of Byron TS states "The ACTIONS associated with an LCO state Conditions that typically describe the ways in which the requirements of the LCO can fail to be met. Specified with each stated Condition are Required Action(s) and Completion Time(s)."

The proposed TS 3.7.9 changes do not appear to conform to the use and application section of Byron TS. That is, the proposed Conditions do not describe the ways in which cooling tower fan requirements can fail to be met.

Explain why this unusual format is required, or provide revised proposed TS that conform to the TS use and application section of the Byron FOL.

Response to Question 1:

EGC has considered the NRC position on the proposed TS 3.7.9 formatting and agrees the "Limiting Condition for Operations (LCO) referencing to Tables" concept may not be consistent with TS formatting guidelines. However, EGC concludes that having a fixed LCO for the UHS at the most extreme conditions would result in, under less extreme conditions, the UHS being in a a Condition Statement when it was capable of meeting its design basis. Condition Statement Development for specific separate conditions of not satisfying SX pump discharge water temperature regions is not an optimal solution either, since it adds at least five Condition statements, most with Notes, to a TS which already has six Conditions. EGC proposes an alternative that is consistent with TS use, application, and formatting conventions.

The alternative approach is to have the LCO state "The UHS shall be OPERABLE," and place the specific requirements of the SX pump discharge water temperature, number of operable cooling tower fans, and their operational mode in a Surveillance Requirement (SR) (i.e., SR.3.7.9-2). This is consistent with TS section 1.0, "Use and Application," page 1.4-1, "Description," which states "...the Surveillance must be met in order to meet the associated Limiting Condition for Operation (LCO)."

In addition, SR 3.0.1 states, "SRs shall be met during the MODES or other specified conditions in the Applicability for individual LCOs, unless otherwise stated in the SR. Failure to meet a Surveillance, whether such failure is experienced during the performance of the Surveillance or between performances of the Surveillance, shall be failure to meet the LCO."

If the SR is not met, then appropriate Condition statements have been developed such that the UHS design basis can still be met considering the temporary relaxation of the single failure criterion. Otherwise, LCO 3.0.3 would need to be entered.

The SR will keep the "required" number of SX cooling tower fans approach as with the current TS 3.7.9, since the required number is dependent on SX pump discharge water temperature. The SX pump discharge water temperature is, in part, limited by environmental conditions that vary throughout the year. Depending on the SX pump discharge water temperature, either six, seven, or eight SX cooling tower fans are required to satisfy the UHS design basis including single failure assumptions. In this TS format, only one action condition is needed to address the Condition of one less than required cooling tower fans depending on the region the SX pump discharge temperature is in versus having multiple separate Condition statements, one for each SX pump discharge region.

The proposed approach is similar to how the current TS 3.7.9 is formatted. EGC originally proposed to use a tabular format; however, the presentation of the specific requirements of the UHS in the proposed Tables has been streamlined and placed in proposed SR 3.7.9-2.

The revised markup of TS 3.7.9 is provided in Attachment 2.

Request for Additional Information Dated December 28, 2010

Question 1.a:

The EGC request dated June 30, 2009, provided revised TS 3.7.9, "Ultimate Heat Sink," and the revised TS B3.7.9 Bases for a cross tied SX system. The letter dated November 8, 2010, includes new proposed TS 3.7.9 for split SX system, but did not include the new TS Bases.

a) Please provide the complete TS B3.7.9 Bases for clarity.

Response to Question 1.a:

The revised markup of TS Bases 3.7.9 is provided in Attachment 3. These changes will be made in accordance with the Byron TS Bases Control Program.

ATTACHMENT 2
Markup of Technical Specifications Pages for Byron Station, Units 1 and 2

Byron Station, Units 1 and 2

Facility Operating License Nos. NPF-37 and NPF-66

REVISED TECHNICAL SPECIFICATIONS PAGES

3.7.9-1
3.7.9-2
3.7.9-3
3.7.9-4
3.7.9-5

INSERTS

3.7 PLANT SYSTEMS

3.7.9 Ultimate Heat Sink (UHS)

LCO 3.7.9 The UHS shall be OPERABLE.

APPLICABILITY: MODES 1, 2, 3, and 4.

ACTIONS

CONDITION	REQUIRED ACTION		COMPLETION TIME
~~A. One required cooling tower fan inoperable.~~	~~A.1~~	~~Verify remaining required OPERABLE cooling tower fans are capable of being powered by an OPERABLE emergency power source.~~	~~1 hour~~
	~~AND~~		
	~~A.2~~	~~Restore required cooling tower fan to OPERABLE status.~~	~~72 hours~~
~~B.~~ E One or more basin level(s) < 60%.	~~B.1~~ E.1	Restore both basin levels to ≥ 60%.	6 hours

(continued)

Replace with **INSERT A**

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
~~C.~~ F One Essential Service Water (SX) makeup pump inoperable.	~~C.1~~ F.1 Verify basin level for each tower is ≥ 90%.	72 hours AND Once per 2 hours thereafter
	AND	
	~~C.2~~ F.2 Verify OPERABILITY of associated makeup source.	72 hours
	AND	
	~~C.3~~ F.3 Restore SX makeup pump to OPERABLE status.	7 days if both units are in MODE 1, 2, 3, or 4 AND 14 days if one unit is in MODE 5, 6 or defueled

(continued)

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
~~D~~. Two SX makeup pumps inoperable. G	~~D.1~~ Verify basin level for each tower is ≥ 90%. G.1 Once per	1 hour AND 2 hours thereafter
	AND	
	~~D.2~~ Verify OPERABILITY of at least one makeup source. G.2	1 hour
	AND	
	~~D.3~~ Verify OPERABILITY of second makeup source. G.3	72 hours
~~E~~. Rock River water level ≤ 670.6 ft Mean Sea Level (MSL). H	~~E.1~~ Verify Rock River water level is > 664.7 ft MSL and flow ≥ 700 cubic feet per second (cfs). H.1 Once per	1 hour AND 12 hours thereafter

(continued)

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
~~F.~~ Required Action ~~E~~ not met. I OR I.1 Rock River water level forecast to exceed 702.0 ft MSL by the National Weather Service (NWS). OR I.2 Tornado Watch issued by the NWS that includes the Byron site. I.3	~~F.1~~ Verify basin level for each tower is ≥ 90%. Once per AND ~~F.2~~ Verify OPERABILITY of at least one deep well pump. AND ~~F.3~~ Verify OPERABILITY of both deep well pumps.	1 hour AND 2 hours thereafter 1 hour 72 hours
~~G.~~ Required Action and associated Completion Time of Condition ~~A, B, C, D, or F~~ not met. J OR UHS inoperable for reasons other than Condition ~~A, B, C, D, E, or F.~~ A, B, C, D, E, F, G, H, or I.	~~G.1~~ Be in MODE 3. J.1 AND ~~G.2~~ Be in MODE 5. J.2	6 hours 36 hours

A, B, C, E, F, G, or I

SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.7.9.1	Verify water level in each cooling tower basin is ≥ 60%.	24 hours
~~SR 3.7.9.2~~	~~Verify essential service water pump discharge water temperature is:~~ ~~a. ≤ 80°F;~~ ~~b. ≤ 90°F, with all required cooling tower fans running on high speed; or~~ ~~c. ≤ 96°F, with ≥ 7 cooling tower fans running on high speed.~~	~~24 hours~~
SR 3.7.9.3	Verify river water level is > 670.6 ft MSL and ≤ 702.0 ft MSL.	24 hours
SR 3.7.9.4	Operate each required cooling tower fan on high speed for ≥ 15 minutes.	31 days
SR 3.7.9.5	Verify each SX makeup manual, power operated, and automatic valve in the flow path that is not locked, sealed, or otherwise secured in the open position, is in the correct position.	31 days
SR 3.7.9.6	Verify that each SX makeup pump starts on a simulated or actual low basin level signal and operates for ≥ 30 minutes.	31 days

Replace with **INSERT B**

(continued)

INSERT A

A. One or more OPERABLE cooling tower fan(s) not running in required high speed.	A.1	Initiate actions to operate OPERABLE cooling tower fan(s) in high speed.	Immediately
B. One required cooling tower fan inoperable.	B.1	Verify OPERABLE cooling tower fans are capable of being powered by an OPERABLE emergency power source.	1 hour
	AND		
	B.2	Restore cooling tower fan to OPERABLE status.	72 hours
C. Outside air wet bulb temperature > 76°F. AND Each electrical division not capable of providing power to at least one OPERABLE SXCT fan.	C.1	Restore SXCT fan configuration such that each electrical division is capable of providing power to at least one OPERABLE SXCT fan.	72 hours
D. SX pump discharge water temperature > 96°F.	D.1	Be in MODE 3.	6 hours
	AND		
	D.2	Be in MODE 5.	36 hours

INSERT B

SR 3.7.9.2	----------NOTE---------- When outside air wet bulb temperature is > 76°F, then each electrical division must be capable of providing power to at least one OPERABLE SXCT fan. ---------- Verify essential service water (SX) pump discharge water temperature, SX cooling tower (SXCT) fans OPERABILITY, and their required operational mode are: a. When SX trains are cross tied on both Units; 1. SX pump discharge water temperature ≤ 77°F and 6 OPERABLE SXCT fans; 2. SX pump discharge water temperature > 77°F and ≤ 82°F and 7 OPERABLE SXCT fans; 3. SX pump discharge water temperature > 77°F and ≤ 84°F and 6 OPERABLE SXCT fans running in high speed; 4. SX pump discharge water temperature > 84°F and ≤ 91°F and 7 OPERABLE SXCT fans running in high speed; or 5. SX pump discharge water temperature > 91°F and ≤ 96°F and 8 OPERABLE SXCT fans running in high speed. b. When SX trains are split on either Unit; 1. SX pump discharge water temperature ≤ 82°F and 8 OPERABLE SXCT fans; or 2. SX pump discharge water temperature > 82°F and ≤ 96°F and 8 OPERABLE SXCT fans running in high speed.	24 hours

ATTACHMENT 3
Markup of Technical Specifications Bases Pages for Byron Station, Units 1 and 2

Byron Station, Units 1 and 2

Facility Operating License Nos. NPF-37 and NPF-66

REVISED TECHNICAL SPECIFICATIONS BASES PAGES
(NOTE: TS Bases pages are provided for information only.)

B 3.7.9-2
B 3.7.9-3
B 3.7.9-4
B 3.7.9-5
B 3.7.9-6
B 3.7.9-7
B 3.7.9-8
B 3.7.9-9
B 3.7.9-10
B 3.7.9-11
B 3.7.9-12
B 3.7.9-13

INSERTS

BASES

BACKGROUND (continued)

Additional information on the design and operation of the system, along with a list of components served, can be found in UFSAR, Section 9.2.5 (Ref. 1).

APPLICABLE SAFETY ANALYSES

The UHS is the sink for heat removed from the reactor core following all accidents and anticipated operational occurrences in which the unit is cooled down and placed on Residual Heat Removal (RHR) operation as well as the sink for heat removed from containment via the reactor containment fan coolers. The UHS performance requirements are that the design basis temperatures of safety related equipment served by SX, either directly or indirectly are not exceeded. The UHS maximum post accident heat load occurs near the time the unit switches from injection to recirculation and the containment cooling systems and residual heat removal systems are required to remove core decay heat. The status of both units must be considered in the UHS analyses, because the UHS is a common system. The design basis accident analyses for the UHS is based on design basis LOCA/loss of offsite power conditions on one unit concurrent with the safe shutdown from maximum power of the other unit. References 2, 3, and 6 provide details of the UHS design basis analyses. The analyses include worst expected meteorological conditions, conservative uncertainties when calculating decay heat, and worst case single ~~active~~ failures.

BASES

APPLICABLE SAFETY ANALYSES (continued)

Replace with **INSERT C**

~~The design basis analyses assume two cooling tower cells (i.e., two fans or water distribution to two tower cells) are out of service. In addition, the analyses assume that at least six fans are running on high speed if the average temperature as measured at the SX pump discharge is ≥ 80°F; that with the fans running the SX pump discharge temperature is ≤ 96°F; and must not exceed 90°F with 6 OPERABLE fans running on high speed. The UHS maximum design temperature is 100°F. The UHS design basis analyses assume an initial temperature of < 96°F with at least 6 fans running or < 80°F with no fans running. For the 96°F cases, heat transfer is credited immediately following the event because the fans will auto reenergize with the respective diesel generator output breaker auto closure. The calculated peak basin temperature is < 100°F. For the 80°F cases heat transfer is not credited until operator action opens riser valves and starts the fans. These calculations also show that the 100°F design temperature is not exceeded.~~

The analyses assume an initial basin level of ≥ 60% in both cooling tower basins, which corresponds to approximately 306,000 gallons in each basin. The analyses consider the AF System requirements, whose safety related source of water is the SX System.

The UHS is designed in accordance with Regulatory Guide 1.27 (Ref. 4), which requires a 30 day supply of cooling water in the UHS. The UHS requires makeup to the basins to meet this requirement. The safety related source of makeup is the two diesel driven SX makeup pumps which take suction from the Rock River. The diesel driven SX makeup pumps auto start on low level in their associated tower basin. The SX makeup system is designed to withstand all design basis natural phenomena events and combination of events except for seismic events during low Rock River flow or level (loss of SX makeup pump suction), tornado, and river flood. Therefore, constraints on river level and flow are imposed, and if the weather is conducive to tornadoes or high river levels, plant procedures dictate proactive actions.

BASES

APPLICABLE SAFETY ANALYSES (continued)

A backup makeup source is provided by deep well pumps. The deep well system is designed for seismic, tornado, and river flood events. Each deep well pump is powered from the engineered safety feature bus for the associated tower. The deep well pumps do not include automatic start capability. To compensate for the possible time delay in providing makeup associated with a manual start of the deep well pumps, the minimum acceptable volume of water maintained in each basin is raised (90% level) and the level is verified every 2 hours.

The UHS satisfies Criterion 3 of 10 CFR 50.36(c)(2)(ii).

LCO

The UHS is required to be OPERABLE and is considered OPERABLE if it has available a sufficient volume of water at or below the maximum temperature that would allow the SX System to operate for at least 30 days following the design basis event without the loss of Net Positive Suction Head (NPSH), and without exceeding the maximum design temperature of the equipment served by the SX System.

Replace with **INSERT D**

~~To meet this condition the UHS temperature as measured at the discharge of the SX pump: 1) must not exceed 96°F, with > 6 OPERABLE fans running in high speed; 2) must not exceed 90°F with 6 OPERABLE fans running on high speed; or 3) must not exceed 80°F otherwise. Therefore, at least 6 fans (high speed) and associated tower cells must be OPERABLE. In addition, each basin level must be ≥ 60%. The fan operation, basin level and SX pump discharge temperature constraints assure that adequate thermal capacity is available in the SX water inventory to absorb the initial heat input from the design basis event.~~

Two diesel powered SX makeup pumps must also be OPERABLE. SX makeup pump OPERABILITY includes, auto start capability on low basin level, and sufficient river level (> 664.7 ft Mean Sea Level (MSL)) and flow combinations.

BASES

APPLICABILITY

In MODES 1, 2, 3, and 4, the UHS is required to support the OPERABILITY of the equipment serviced by the UHS and required to be OPERABLE in these MODES.

In MODE 5 or 6, the OPERABILITY requirements of the UHS are determined by the systems it supports.

ACTIONS

~~A.1 and A.2~~ B.1 and B.2

INSERT E

If one required fan is inoperable ~~(i.e., only 5 fans OPERABLE)~~, action must be taken to restore the inoperable cooling tower fan to OPERABLE status within 72 hours. Required Action ~~A.1~~ B.1 requires the remaining required OPERABLE cooling tower fans be capable of being powered by an OPERABLE emergency power source. This action assures availability of electric power to the remaining required fans in the unlikely event of a loss of offsite power. The 1 hour Completion Time is reasonable based on the fact this is an administrative check of the OPERABILITY of the emergency power sources.

The 72 hour Completion Time is reasonable based on the low probability of an accident occurring during the 72 hours that one cooling tower fan is inoperable, the number of available systems, and the time required to reasonably complete the Required Action.

INSERT F

BASES

ACTIONS (continued)

E.1

~~B.1~~

If one or more cooling tower basin level is < 60%, the assumptions of the design basis analyses are not met, and action must be taken to restore both basin levels within 6 hours. The 6 hour Completion Time is reasonable based on the low probability of an accident occurring during the 6 hours that the basin level is < 60%, the number of systems available to replenish basin level, and the time required to reasonably complete the Required Actions.

F.1, F.2, and F.3

~~C.1, C.2, and C.3~~

When one SX makeup pump is inoperable, action must be taken to verify a ≥ 90% cooling tower basin level in both basins within 72 hours, and verify OPERABILITY of an associated makeup source within 72 hours. The increased basin level must be verified every 2 hours thereafter, and the inoperable SX makeup pump must be restored to OPERABLE status within 7 days or 14 days depending on plant conditions.

In this Condition, the remaining OPERABLE makeup sources are adequate to perform the UHS makeup function. However, the overall reliability is reduced because failure of the OPERABLE makeup source(s) could result in a loss of the makeup function.

BASES

ACTIONS (continued)

Required Action ~~C.1~~ F.1 requires verification that both basin levels are ≥ 90%, and Required Action ~~C.2~~ F.2 verifies the OPERABILITY of an associated makeup source (pump and flow path). The increased basin level and its verification every 2 hours provide assurance of enough inventory in the basins to allow sufficient time to manually start makeup sources, consistent with the assumptions of the design basis analyses. An associated makeup source is a source (i.e., ESF powered deep well pump of the same train or the SX makeup pump capable of manual start) which provides makeup to the same basin served by the inoperable SX makeup pump. An SX makeup pump that is inoperable due solely to the inability to auto start on low basin level may be considered an OPERABLE associated makeup source. OPERABILITY of the same train deep well pump includes capability to start and provide sufficient flow to the associated basin.

The 72 hours to verify ≥ 90% basin level and OPERABILITY of an associated makeup source is reasonable based on the low probability of a design basis accident occurring during this time period and the ability of the remaining SX makeup pump to perform the required makeup function. The 2 hour periodic verification of ≥ 90% basin level is consistent with the assumptions of the design basis analyses.

BASES

ACTIONS (continued)

Required Action ~~C.3~~ F.3 requires the SX makeup pump to be restored to OPERABLE status within 7 days or 14 days respectively. The 7 day limit is applicable if both Unit 1 and Unit 2 are in MODE 1, 2, 3, or 4. The 14 day limit is only applicable if either Unit 1 or Unit 2 is in MODE 5, MODE 6, or defueled. This Required Action serves to provide up to 7 days to restore a SX makeup pump when both units are operating, and up to 14 days when one unit is operating and the other is shutdown. The 14 day allowance provides adequate time to perform pump inspection and extended maintenance when one unit is in an outage. Without this allowance, a dual-unit outage would be required to perform maintenance that requires more than 7 days to complete. The extended Completion Time when one unit is in shutdown is also based on the reduction in the quantity of heat that would have to be removed by the UHS when one unit is in a shutdown condition, a reduction in the amount of water that may be required to satisfy AF demands, and the availability of the other makeup water sources. Although the 14 day Completion Time was justified based on the need to perform extended maintenance, its use and application is not restricted to these activities because the effects of SX makeup pump inoperability are unrelated to the cause of the inoperability.

BASES

ACTIONS (continued)

G.1, G.2, and G.3

~~D.1, D.2, and D.3~~

When both SX makeup pumps are inoperable, action must be taken to verify a ≥ 90% cooling tower basin level in both basins within 1 hour, verify OPERABILITY of at least one makeup source (pump and flow path) within 1 hour, and verify OPERABILITY of a second makeup source serving the other tower basin within 72 hours. The increased basin level must be verified every 2 hours thereafter.

G.1 and G.2

In this ~~Condition~~, the UHS makeup function may not be met. Required Actions ~~D.1 and D.2~~ require verification of the OPERABILITY of at least one makeup source and verification that both basin levels are ≥ 90%. The increased basin level and its verification every 2 hours allows sufficient time to manually start makeup sources, consistent with the assumptions of the design basis analyses. An SX makeup pump which is inoperable solely due to the inability to auto start on low basin level may be considered an OPERABLE makeup source. The 1 hour Completion Time is reasonable based on the low probability of an accident occurring during the 1 hour and the time required to reasonably complete the Required Actions.

G.3

Required Action ~~D.3~~ requires verification of the OPERABILITY of a second makeup source within 72 hour. With the plant only having one OPERABLE makeup source, the UHS makeup function can be performed; however the overall reliability is reduced. The 72 hour Completion Time is reasonable based on the low probability of an accident occurring during this time period and the available makeup capability.

BASES

ACTIONS (continued)

~~E.1~~

H.1

With the Rock River water level ≤ 670.6 ft Mean Sea Level (MSL), action must be taken to assure that adequate level and flow remain available from the Rock River intake to the SX makeup pumps to permit their operation. When the water level in the river falls below this limit, within one hour, and every 12 hours thereafter, the water level in the river must be verified to be greater than 664.7 ft MSL and the flow rate in the river must be verified to be greater than or equal to 700 cubic feet per second (CFS). 700 cfs assures adequate inventory is available for the pumps to maintain the level in the UHS basins. 664.7 ft is the minimum design operating level of the SX makeup pumps. Assuring adequate inventory and a level greater than the minimum operating level provides assurance that the pumps can perform their function if required. The 1 hour Completion Time for initial performance of this Required Action is reasonable based on the low probability of an accident occurring during the 1 hour and the time required to reasonably complete the Required Actions. The continued performance of this verification every 12 hours is reasonable based on the availability of other makeup sources and the low likelihood of an accident and a rapid unexpected decrease in the river level.

BASES

ACTIONS (continued)

I.1, I.2, and I.3

~~F.1, F.2, and F.3~~

I

The SX makeup pumps provide the safety-related makeup capability to the UHS, however when Condition ~~F~~ applies, the pumps may not be capable of performing the required function. With water level or flow in the Rock River outside of the limits specified, the pumps may not have adequate NPSH or inventory to supply the required makeup to the UHS if an accident occurs. If water level is forecast to exceed 702 ft MSL on the Rock River, the SX makeup pumps may be subjected to flooding that would render them inoperable. Similarly, if a Tornado Watch exists that includes the Byron site, the pumps may not be capable of performing their required function because the river screen house that contains the pumps is not designed to protect them from a tornado.

In these conditions, alternative makeup capability to the UHS must be available and the inventory in the UHS basin must be large enough to permit manual initiation of the alternative source. The deep well pumps supply the alternative makeup capability to the UHS. To assure adequate inventory in the UHS to permit a delay in makeup for manual initiation of the deep well pumps, the level in each tower basin must be verified to be greater than or equal to 90% within 1 hour, and every 2 hours thereafter. The 1 hour Completion Time for initial performance of this Required Action is reasonable based on the low probability of an accident occurring during the 1 hour and the time required to reasonably complete the Required Actions. The continued performance of this verification every 2 hours is reasonable based on the low likelihood of an accident and the maximum expected decrease in level in the UHS basin.

In addition, at least one deep well pump must be verified OPERABLE within 1 hour. This assures that if an accident occurs, adequate makeup capability to the UHS is available. The 1 hour Completion Time for initial performance of this Required Action is reasonable based on the low probability of an accident occurring during the 1 hour and the time required to reasonably complete the Required Actions.

BASES

ACTIONS (continued)

I

Within 72 hours, both deep well pumps must be verified to be OPERABLE if Condition ~~F~~ continues to apply. This Required Action is consistent with the need to assure reliable and redundant supplies are available to provide makeup to the UHS. The 72 hour Completion Time is reasonable based on the low probability of an accident occurring during the 72 hours coincident with a failure of the OPERABLE deep well pump.

J.1 and J.2

~~G.1 and G.2~~

A, B, C, E, F, G, or I

If the UHS cannot be restored to OPERABLE status within the associated Completion Times or the associated Required Actions are not met of Condition ~~A, B, C, D, or F~~, or if the UHS is inoperable for reasons other than Condition ~~A, B, C, D, E, or F~~, the unit must be placed in a MODE in which the LCO does not apply. To achieve this status, the unit must be placed in at least MODE 3 within 6 hours and in MODE 5 within 36 hours.

A, B, C, D, E, F, G, H, or I

The allowed Completion Times are reasonable, based on operating experience, to reach the required unit conditions from full power conditions in an orderly manner and without challenging plant systems.

SURVEILLANCE REQUIREMENTS

SR 3.7.9.1

This SR verifies adequate basin level to provide time to manually establish makeup while providing auxiliary feedwater if required. The specified level also ensures that sufficient NPSH is available to operate the SX pumps. The 24 hour Frequency is based on operating experience related to trending of the parameter variations during the applicable MODES. This SR verifies that the UHS cooling tower basin water level is ≥ 60%.

BASES

SURVEILLANCE REQUIREMENTS (continued)

SR 3.7.9.2

This SR verifies that the UHS is capable of supporting the SX System. In turn, availability of the UHS ensures the ability of the SX System to cool the CC System to at least its maximum design temperature with the maximum accident or normal design heat loads for 30 days following a Design Basis Accident and cool the other components served directly by the SX System. The 24 hour Frequency is based on operating experience related to trending of the parameter variations during the applicable MODES. ~~This SR verifies that the essential service water pump discharge water temperature is ≤ 80°F; ≤ 90°F if all required cooling tower fans are running on high speed; or ≤ 96°F if ≥ 7 OPERABLE cooling tower fans are running on high speed.~~

This SR verifies that the SX pump discharge water temperature, fan OPERABILITY and operational mode is in accordance with the LCO.

SR 3.7.9.3

This SR verifies the SX makeup pumps are OPERABLE by ensuring river water level and flow are sufficient for proper operation of the SX makeup pumps in case of the Design Basis Accident (DBA). If the river water level is > 670.6 ft MSL and ≤ 702.0 ft MSL, proper operation is assured. If the water level is > 702.0 ft MSL, the pumps may become flooded and not be available. If the river level is ≤ 670.6 ft MSL, proper operation of the pumps during a DBA is possible. However, the river level must be > 664.7 ft MSL and river flow must be ≥ 700 cfs. The frequency of SR 3.7.9.3 is based on the potential for changes in river level on a daily basis.

SR 3.7.9.4

Starting from the control room and operating each required cooling tower fan on high speed for ≥ 15 minutes (if not already operating in high speed) ensures that all fans are OPERABLE and that all associated controls are functioning properly. It also ensures that fan or motor failure, or excessive vibration, can be detected for corrective action. The 31 day Frequency is based on operating experience, the known reliability of the fan units, the redundancy available, and the low probability of significant degradation of the UHS cooling tower fans occurring between surveillances.

ATTACHMENT 3
Markup of Technical Specifications Bases Pages for Byron Station, Units 1 and 2

INSERT C

The UHS maximum basin design temperature is 100°F. To ensure this limit is not exceeded, the cooling tower fan requirements vary with increasing SX pump discharge water temperature. These requirements involve an increasing number of required cooling tower fans to be OPERABLE and whether those fans need to be running in high speed. The design analysis for determining these requirements was based on the worst-case three-hour wet bulb temperature of 82°F. For example, with SX trains cross tied on both units, if SX pump discharge water temperature is < 77°F, then only six of the eight cooling tower fans need to be OPERABLE and none are required to be running in high speed. If the SX pump discharge water temperature is > 91°F and ≤ 96°F, then all eight cooling tower fans need to be OPERABLE and all running in high speed. Detailed limits are included in the LCO section.

When fans are required to be running in high speed the heat transfer is credited immediately following the event because fans will automatically reenergize with the respective diesel generator output breaker auto-closure. When fans are not required to be running in high speed heat transfer is not credited until operator action opens riser valves and starts the fans.

The SX pump discharge water temperature limits are based on a design assumption that in the event of a LOCA, under the most severe design basis weather conditions, and a single breaker failure results in the loss of two cooling tower fans, the Operators will shed heat load by securing up to two of the four reactor containment fan coolers (RCFCs) on the LOCA unit within 21.6 minutes. Only one of the two trains of RCFCs is required to operate for post accident containment heat removal. Also, operators on the non-accident unit will have to monitor and manage the cooldown rate such that SX discharge temperature limits are not exceeded.

The safety analysis evaluates conditions when two SXCT fans are out of service. In the case when both out of service SXCT fans are powered by the same electrical division, a postulated breaker failure associated with the power to the other two SXCT fans in the same tower could result in a configuration with no SXCT fans available on one tower and four OPERABLE SXCT fans on the second tower. In this configuration, the overall cooling tower performance is less than when fans are available on both towers. To support design basis accident heat removal in this configuration the outside air wet bulb temperature needs to be ≤ 76°F.

INSERT D

To meet the SX supply design temperature under postulated accident conditions a minimum number of SX cooling tower fans need to be OPERABLE to remove the postulated accident heat load. The number of cooling tower fans required is dependent on whether SX is operated with SX trains on both units cross tied or SX trains on either unit split. Split train operation is defined as both the supply and the return sides of an SX train are separated from the other SX train. Cross tied train operation is defined as either or both the supply and the return sides of an SX train are not separated from the other SX train.

The specific SX pump discharge water temperature, SX cooling tower (SXCT) fans OPERABILITY, and their required operational mode are:

a. When SX trains are cross tied on both Units;

   1. SX pump discharge water temperature ≤ 77°F and 6 OPERABLE SXCT fans;

   2. SX pump discharge water temperature > 77°F and ≤ 82°F and 7 OPERABLE SXCT fans;

   3. SX pump discharge water temperature > 77°F and ≤ 84°F and 6 OPERABLE SXCT fans running in high speed;

   4. SX pump discharge water temperature > 84°F and ≤ 91°F and 7 OPERABLE SXCT fans running in high speed; or

   5. SX pump discharge water temperature > 91°F and ≤ 96°F and 8 OPERABLE SXCT fans running in high speed.

b. When SX trains are split on either Unit;

   1. SX pump discharge water temperature ≤ 82°F and 8 OPERABLE SXCT fans; or

   2. SX pump discharge water temperature > 82°F and ≤ 96°F and 8 OPERABLE SXCT fans running in high speed.

A cooling tower fan is considered OPERABLE when it has a structurally sound cooling cell, a water distribution system, and the capability of running in high speed for 30 days. The number and configuration of cooling tower fan requirements vary with increasing SX pump discharge temperature.

This SR is modified by a Note. By requiring at least one OPERABLE SXCT fan to be capable of being powered by each electrical division when outside air wet bulb temperature is above 76°F, a postulated worst case single failure could not result in a configuration of no OPERABLE SXCT fans on one of the towers when tower performance is limited by high wet bulb temperature conditions.

INSERT E

A.1

If there is less than the number of cooling tower fans running in high speed as required by the operational mode, then actions must be initiated to operate all the required OPERABLE cooling cell fans in high speed. This action ensures the 100°F design temperature limit will not be exceeded during a design basis accident. The immediate Completion Time is reasonable since an OPERABLE cooling tower fan must be capable of running in high speed and the fan can be placed in this condition from the Main Control Room.

INSERT F

C.1

This Condition is applicable when SX is operating in a cross tied configuration on both Units. When outside air wet bulb temperature is > 76 F and at least one SXCT fan is not powered by each electrical division then a postulated worst case single failure could result in no OPERABLE SXCT fans on one tower and four SXCT on the second tower. In this potential configuration design basis SX temperatures could be exceeded. The Required Action is to reconfigure the SXCT fans to eliminate this vulnerability.

The 72 hour Completion Time is reasonable based on the low probability of an accident occurring during the 72 hour timeframe in addition to a single failure disabling two cooling tower fans on the same tower that initially had two inoperable fans.

D.1 and D.2

If the SX pump discharge temperature exceeds 96°F, then the UHS cooling tower fans cannot prevent the design SX system temperature limit of 100°F from being exceeded during a design basis accident. Consequently, in this condition, the unit must be placed in a MODE in which the LCO does not apply. To achieve this status, the unit must be placed in MODE 3 within 6 hours and in MODE 5 within 36 hours.

The allowed Completion Times are reasonable, based on operating experience, to reach the required unit conditions from full power in an orderly manner and without challenging plant systems.

From: info=i360gov.com@reply.bm23.com on behalf of i360Gov Webinars
To: Cheok, Michael
Subject: Next Tues: Private Cloud Poll Results
Date: Thursday, March 17, 2011 9:18:49 AM

Having trouble viewing this e-mail? Click here to view as a web page.
To ensure our emails reach your inbox, add **info@i360gov.com** to your address book or Safe Sender List.

Private Clouds: The Results Are In.

Greetings,

The results and analysis of i360Gov's research study regarding private cloud initiatives in government agencies will be presented in a complimentary webinar on **Tuesday, Mar. 22, 2011 at 2 PM Eastern.**

Please join our subject-matter-experts **Lee Badger (NIST)** and **Doug Bourgeois (formerly with U.S. Dept of Interior and the U.S. Patent and Trademark Office**, as we present and discuss the results of this study, and explore the benefits of a private cloud versus a public cloud.

Click here to register for this complimentary webinar. (NO COST!)
All webinar registrants will receive a copy of i360Gov's special report detailing the results of this study.

Should you have any questions, please call me directly at 919-577-0898.

Thank you for your time.

Warm regards,

Jon Morton

Jon Morton
President
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From: Dean, Bill
To: Virgilio, Martin
Subject: Re: Feedback on Yesterday"s Senior Management Retreat
Date: Thursday, March 17, 2011 9:39:30 AM

When are you off shift and a good time to call.
Bill Dean
Regional Administrator
Region I, USNRC
Sent from NRC BlackBerry

----- Original Message -----
From: Virgilio, Martin
To: Dean, Bill
Sent: Wed Mar 16 23:16:21 2011
Subject: RE: Feedback on Yesterday's Senior Management Retreat

Thanks, Bill

We have identified the executive to fill the FSME position and fill the hole created by that move. We should talk

Marty

-----Original Message-----
From: Dean, Bill
Sent: Wednesday, March 16, 2011 10:47 PM
To: Virgilio, Martin
Subject: RE: Feedback on Yesterday's Senior Management Retreat

i know you are busy and i haven't called you, but you can expect, if you have not received already,

(b)(6)

From: Virgilio, Martin
Sent: Wednesday, March 16, 2011 10:38 PM
To: Dean, Bill
Subject: RE: Feedback on Yesterday's Senior Management Retreat

Bill

Thanks for sharing

From: Dean, Bill
Sent: Wednesday, March 16, 2011 6:59 PM
To: Virgilio, Martin
Cc: Lew, David
Subject: FW: Feedback on Yesterday's Senior Management Retreat

FYI. We had a good retreat and a good meeting with the staff today on the Japanese event.

Bill

From: Dean, Bill
Sent: Wednesday, March 16, 2011 6:58 PM
To: All R1 Users

Subject: Feedback on Yesterday's Senior Management Retreat

[cid:image001.jpg@01CBE42A.E972DF10]

Yesterday, the Region's senior management team conducted a retreat. While originally intended to focus on achieving alignment on issues such as succession planning, management strategies and organizational development, we spent a considerable amount of time discussing the recent events in Japan and their implications for the agency and the region. We integrated much of our discussion on this dramatic international nuclear event with you all at our impromptu all hands meeting earlier today. While this very safety significant and still developing event is occupying a lot of our time and attention, we cannot lose sight of our primary mission to assure safe and secure operation of our domestic nuclear power and materials facilities.

Relative to the other issues we discussed at the retreat, of note is the observation I made to the team that from my perspective, I could not be more pleased with how the region has performed since I arrived in October, and that despite the number of management changes, we seem to have not missed a beat. This is a great credit to the entire staff and management team for staying focused on our core safety mission and important administrative support activities. During the retreat, I believe our management team, which has undergone significant changes in the last several months, made considerable progress in achieving consensus and alignment on a number of topics that are important to assure that we operate as an integrated and efficient management team. For example, we discussed (1) our need to continue our focus on developing our staff at all levels of the organization to assure a viable succession plan exists, (2) our approach to measures and metrics as an effective management tool and not necessarily an "absolute" requirement, (3) how to reinforce our commitment to the Servant Leadership model and fostering an Open and Collaborative Work Environment and ways to continue to demonstrate this in our daily activities, and (4) several internal processes and how to make them more effective/efficient/consistent.

We identified a handful of action items and we have several issues/topics that we will be taking up with our branch chiefs and team leaders in a few weeks as part of a periodic all supervisors meeting in order to garner broader support and understanding. Overall, it was a very productive meeting and I believe was quite valuable in helping our relatively new senior management team reach a common understanding and establish clear expectations for how we intend to work together in the future.

Bill

From: Manoly, Kamal
To: Hiland, Patrick
Cc: Skeen, David
Subject: RE: (b)(6)
Date: Thursday, March 17, 2011 9:49:16 AM

Thanks!

From: Hiland, Patrick
Sent: Wednesday, March 16, 2011 8:47 PM
To: Manoly, Kamal
Cc: Skeen, David
Subject: RE: (b)(6)

OK, Dave can sign thepaper work tomorrow. (b)(6)
(b)(6) but I'm ok with it.

From: Manoly, Kamal
Sent: Wednesday, March 16, 2011 5:57 PM
To: Hiland, Patrick
Cc: Skeen, David
Subject: FW: (b)(6)

Pat,
Would you please approve (b)(6) for 3/18 & 3/21.
Kamal

From: Manoly, Kamal
Sent: Monday, March 14, 2011 5:04 PM
To: Hiland, Patrick
Cc: Skeen, David; Harper, Kevin
Subject: (b)(6)

Pat,
Just a reminder that I am requesting (b)(6) on 3/18 & 3/21 (b)(6)
(b)(6)
Kamal

e/b

From: Calvo, Antony
To: Bellosi, Susan
Cc: Coe, Doug; Bonaccorso, Amy
Subject: RE: NRC Announcement for your review.
Date: Thursday, March 17, 2011 9:53:13 AM

Susan,

Thank you.

Antony

From: Bellosi, Susan
Sent: Wednesday, March 16, 2011 4:25 PM
To: Calvo, Antony
Cc: Coe, Doug; Bonaccorso, Amy
Subject: NRC Announcement for your review.
Importance: High

Hi,

Please take a few minutes to review the announcement below. I wanted you to review before I gave to ADM Management. We can also use some of this for the Reporter. Thanks.

(b)(5)

(b)(5)

Susan Bellosi
Technical Assistant
U.S. Nuclear Regulatory Commission
Office of Administration
Phone: 301-492-3514
Fax: 301-492-3456
e-mail: susan.bellosi@nrc.gov
Room: TWB-05-E35

Satorius, Mark

From: Ragan Communications [ragan@reply.ms00.net]
Sent: Tuesday, March 15, 2011 9:55 AM
To: Satorius, Mark
Subject: 75 ways to improve your next speech

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Your Next Speech

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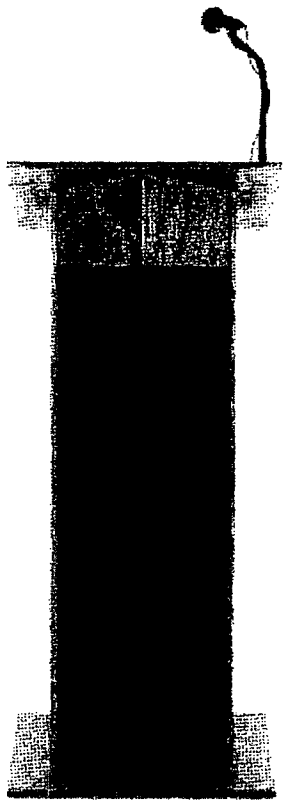

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From: Kinneman, John
To: Haney, Catherine
Subject: RE: QUERY: Special Inspection Team Charter for GNF-A
Date: Thursday, March 17, 2011 9:58:14 AM

Cathy,

(b)(5)

John

From: McCree, Victor
Sent: Thursday, March 17, 2011 9:46 AM
To: Haney, Catherine
Cc: Kinneman, John; Wert, Leonard; Gody, Tony; Cobey, Eugene
Subject: RE: QUERY: Special Inspection Team Charter for GNF-A

Thanks Cathy,

We're working on a revised response now...and will retain the lead in providing Alan a better response to the Commissioner.

As for the information in Alan's email, the comment regarding "production pressure" is very preliminary and not yet confirmed, so we will not advance this in the revised response. Please note that the next GNF-SIT status brief is at 1600 today.

Vic

From: Haney, Catherine
Sent: Thursday, March 17, 2011 8:31 AM
To: McCree, Victor
Subject: FW: QUERY: Special Inspection Team Charter for GNF-A

Vic,

See email string below. I agree with John's views and are working on something better to give to the Commissioner.

As an aside, I'm concerned if the original statement is accurate. Do you have any other information on this?

Cathy

From: Haney, Catherine
Sent: Thursday, March 17, 2011 8:28 AM

To: Kinneman, John; Frazier, Alan; Dorman, Dan
Cc: Tschiltz, Michael; Bailey, Marissa; Doolittle, Elizabeth; Sykes, Marvin; Cobey, Eugene; Gody, Tony
Subject: RE: QUERY: Special Inspection Team Charter for GNF-A

John
Can you propose an alternative response for Commissioner Ostendorff?
Cathy

From: Kinneman, John
Sent: Wednesday, March 16, 2011 6:17 PM
To: Frazier, Alan; Haney, Catherine; Dorman, Dan
Cc: Tschiltz, Michael; Bailey, Marissa; Doolittle, Elizabeth; Sykes, Marvin; Cobey, Eugene; Gody, Tony
Subject: Re: QUERY: Special Inspection Team Charter for GNF-A

I was onsite with Tony Gody and the team yesterday and the statement is generally accurate. However, I think the findings are still preliminary and the summary too detailed to provide to a Commisioner this early in the process. .
Sent from NRC Blackberry
John Kinneman

From: Frazier, Alan
To: Haney, Catherine; Dorman, Dan
Cc: Kinneman, John; Tschiltz, Michael; Bailey, Marissa; Doolittle, Elizabeth; Sykes, Marvin; Cobey, Eugene
Sent: Wed Mar 16 16:43:35 2011
Subject: QUERY: Special Inspection Team Charter for GNF-A

Cathy,

Attached is the Special Inspection Team Charter for GNF-A for RII to inspect and assess the facts and circumstances surrounding the failure to maintain mass control within the UO2 Sinter Test Grinding Station HEPA filter enclosure. As you know, the issue was reported to the NRC Operations Center on March 2, 2011, (Event # 46650) and the team is onsite this week.

Commissioner Ostendorff's office has asked for the Charter and if there is any feedback from the team members since they have been onsite for several days now.

> I talked to the BC, Marvin Sykes, in RII who is responsible for the SIT being lead by Omar R. López. Marvin indicated that the team is seeing signs of a poor response on the part of the licensee to the process upset condition. In particular, the team has concerns about the adequacy of the licensee's causal analysis and extent of condition review. Marvin also indicate that there may have been production pressure from GNF-A Managers which contributed to the poor response.

Please let me know if there is anything that you or your staff would like to add to this statement. If you have no objections, I plan to provide the charter and the statement above to the Cmr's office and to Mike by COB tomorrow (Thursday).

Alan

McKelvey, Harold

From: Collins, Elmo
Sent: Thursday, March 17, 2011 10:01 AM
To: Tallarico, Alison
Subject: RE: Action: ERB Items for Review

Thank you
Elmo

From: Tallarico, Alison
Sent: Thursday, March 17, 2011 10:00 AM
To: Collins, Elmo; Leeds, Eric; Evans, Michele
Cc: Johns, Nancy; Gallagher, Johanna
Subject: RE: Action: ERB Items for Review

Hello Elmo, Eric and Michele,

We've heard back from almost everyone, and no one has any objections, so we are free to proceed. Eric, Johanna is still out so if you like I can try and draft up a rotational solicitation to backfill for Mary.

Thanks
Alison
301-492-2326

From: Tallarico, Alison
Sent: Wednesday, March 16, 2011 4:28 PM
To: Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Pederson, Cynthia; Satorius, Mark; Schaeffer, James; Sheron, Brian; Tallarico, Alison; Tracy, Glenn; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wert, Leonard; Wiggins, Jim
Subject: Action: ERB Items for Review

****~~For your eyes only~~****

TO ERB Members

We are sharing the following items for ERB review and information because the ERB is not scheduled to meet this week:

(b)(5),(b)(6)

(b)(5),(b)(6)

Thanks
Alison Tallarico (for Johanna Gallagher)
301-492-2326

Owen, Lucy

From: Casto, Chuck
Sent: Thursday, March 17, 2011 10:06 AM
To: Collins, Elmo
Subject: Re: (b)(5) Action: ERB Items for Review

Funny!!!!

From: Collins, Elmo
To: Casto, Chuck
Sent: Thu Mar 17 10:56:46 2011
Subject: RE: (b)(5) Action: ERB Items for Review

How are you doing? Any excitement?

From: Casto, Chuck
Sent: Thursday, March 17, 2011 9:19 AM
To: Collins, Elmo
Subject: Fw: (b)(5) Action: ERB Items for Review

(b)(5),(b)(6)

From: Greene, Kathryn
To: Tallarico, Alison; Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Pederson, Cynthia; Satorius, Mark; Schaeffer, James; Sheron, Brian; Tracy, Glenn; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wert, Leonard; Wiggins, Jim
Cc: Stewart, Sharon
Sent: Thu Mar 17 09:57:22 2011
Subject: (b)(5) Action: ERB Items for Review

From: Tallarico, Alison
Sent: Wednesday, March 16, 2011 4:28 PM
To: Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Pederson, Cynthia; Satorius, Mark; Schaeffer, James; Sheron, Brian; Tallarico, Alison; Tracy, Glenn; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wert, Leonard; Wiggins, Jim
Subject: Action: ERB Items for Review

~~**For your eyes only**~~

TO ERB Members

We are sharing the following items for ERB review and information because the ERB is not scheduled to meet this week:

(b)(5),(b)(6)

(b)(5),(b)(6)

Thanks
Alison Tallarico (for Johanna Gallagher)
301-492-2326

From:
To:
Cc:

(b)(6)

Subject:
Date: Thursday, March 17, 2011 10:12:07 AM

(b)(6)

From: Graham, Camillea
To: Cheok, Michael
Subject: Message
Date: Thursday, March 17, 2011 10:10:36 AM

Please call Sher x6289.

Thanks

Camillea Graham
Administrative Assistant
Division of Risk Assessment (DRA)
301-415-2884

From: Haney, Catherine
To: Jones, Kimberly
Subject: RE: Draft Notes from 2/9/2011 Worklife Steering Committee Teleconference
Date: Thursday, March 17, 2011 10:13:00 AM

I think to the Offices but I don't know about below and I know it hasn't happened in NMSS.

From: Jones, Kimberly
Sent: Thursday, March 17, 2011 9:02 AM
To: Haney, Catherine
Cc: Pulliam, Timothy
Subject: RE: Draft Notes from 2/9/2011 Worklife Steering Committee Teleconference

Cathy,

Sure I could take the lead on this, but can we meet for about 15 min so that I can get clarification on a couple of things? ex. has the word gone out to BCs and managers in the agency on the action they are supposed to be doing to address the 6 areas of improvement?

Thanks
Kim

From: Haney, Catherine
Sent: Thursday, March 17, 2011 8:42 AM
To: Jones, Kimberly
Cc: Pulliam, Timothy
Subject: RE: Draft Notes from 2/9/2011 Worklife Steering Committee Teleconference

Kim
We need to start work on the brown bag lunch. I'd see it happening around May. At a high level, here is what we need to do - draft something for consideration by the subcommittee, meet with the subcommittee, brief the full committee, announce the date and objectives, conduct the lunch, gather the input and present back to the committee.

Can you take the lead for drafting an announcement and the questions we could use. These questions could be part of the announcement or a separate document. Also, let Dwight know the time period for conducting the subcommittee meeting and who volunteered to be on the subcommittee. As I recall, Scott Moore, Tom Boyce, and Sharon Stewart volunteered. Is this what you recall? I'd also like to ask Mike Johnson to be a member. Is there anyone else?
Cathy

From: Jones, Kimberly
Sent: Wednesday, March 16, 2011 4:39 PM
To: Haney, Catherine; Buchholz, Jeri; Dosch, William; Davidson, Lawrence; Lew, David; Stewart, Sharon; Sheron, Brian; Moore, Scott; Wiggins, Jim; Solorio, Dave; Zimmerman, Roy; Munday, Joel; Boyce, Thomas (OIS); Grobe, Jack; Cohen, Miriam
Subject: Draft Notes from 2/9/2011 Worklife Steering Committee Teleconference

Attached are the draft meeting notes from February's Steering Committee meeting. Please

review and provide any comments to me by March 23, 2011.

Thanks
Kim Jones, NMSS

From:	ADAMS IM
To:	Brown, Nathan
Cc:	Golla, Joe
Subject:	FW: Updated Staffing Plan and Order of Succession for NRR
Date:	Thursday, March 17, 2011 10:18:47 AM
Attachments:	Pand. Plan Qrtrly Update March 2011.docx
Importance:	High

Done. Attached file has been exchanged with ML081210312.

Thanks

Susan Hicks
ADAMS Support Center

From: Brown, Nathan
Sent: Thursday, March 17, 2011 9:54 AM
To: ADAMS IM
Cc: Golla, Joe
Subject: FW: Updated Staffing Plan and Order of Succession for NRR
Importance: High

ADAMS,

Please see below. Please swap ML081210312 with attached.

Thanks,

Nathan

From: Golla, Joe
Sent: Thursday, March 17, 2011 9:51 AM
To: Brown, Nathan
Subject: Updated Staffing Plan and Order of Succession for NRR
Importance: High

Nathan- please swap out the document currently at ML081210312 with the updated one attached and re-declare. Joe

Joe Golla, Project Manager
US Nuclear Regulatory Commission
NRR/DPR/PLPB
301-415-1002

ef2

Appendix B Staffing Plans

Primary Staffing Plan for DSS

Branch	Job Tasks/Specialty	Staff Member
DSS/SRXB	Emergency Core Cooling System	Samuel Miranda Benjamin Parks Summer Sun
DSS/SNPB	Thermal-Hydraulics	Leonard Ward Yuri Orechwa Anthony Attard
DSS/SNPB	Core Physics/Fuels	Paul Clifford Anthony Attard Mathew Panicker
DSS/SNPB	Computer Codes/Modeling	Leonard Ward Joshua Kaizer Mathew Panicker
DSS/SBPB	Spent Fuel Storage	Steve Jones Gerald Purciarello Edward Smith
DSS/SBPB	Flooding/Tornadoes	Edward Smith Steve Jones Stanley Gardocki
DSS/SCVB	Containment	Richard Lobel Ahsan Sallman Brian Lee
DSS/SCVB	Ventilation	Harold Walker Jerome Bettle Janak Raval
DSS/SBPB	Heavy Loads/Cranes	Steve Jones Gerald Purciarello Edward Smith
DSS/SBPB	Balance of Plant Systems	Greg Casto Steve Jones Stanley Gardocki Gerald Purciarello Edward Smith
DSS/SSIB	ECCs Sump Strainer Performance	Stewart Bailey Steve Smith Ralph Architzel John Lehning

Primary Staffing Plan for DRA

Branch	Job Tasks/Specialty	Staff Member
DRA/AADB	Licensing: Radiological Accident Dose Assessment	John Parillo
DRA/AADB	Licensing: Radiological Accident Dose Assessment	Mark Blumberg
DRA/AADB	Licensing: Meteorological Assessment	Leta Brown
DRA/AFPB	Licensing: Licensing Actions Technical Analysis/Fire Protection	Daniel Frumkin
DRA/APLA	Licensing: Risk Analysis/Fire Protection	Ray Gallucci
DRA/AFPB	Licensing: Requests from Department of Navy/Fire Protection	Paul Lain
DRA/AFPB	Enforcement: Technical Reviews/Fire Protection	Alex Klein
DRA/AFPB	Inspection: Inspection/Fire Protection	Harold Barrett
DRA/APLA	Assurance of Safety while Responding to Licensee Exemption, Alternatives, and Relief Requests: Risk Assessment	Stephen Dinsmore Andrew Howe
DRA/APLA	Imposition of Added Requirements To Ensure Safety and Security: Risk Assessment	Stephen Dinsmore Ray Gallucci
DRA/APLA & APOB	Issuance of Enforcement Discretion for Temporary Exemptions from Regulations: Risk Assessment	Jeff Circle See-Meng Wong Andrew Howe
DRA/APOB	Relief of License Conditions: Performance of Risk Assessments in Support of Notices of Enforcement Discretion (NOEDs)	Jeff Circle Jeffrey Mitman Antonios Zoulis
DRA/APOB	Evaluation of Emergent Events: Risk Assessments in Support of Management Directive (MD) 8.3 and Manual Chapter 0309 events	Jeff Circle Jeffrey Mitman Antonios Zoulis
DRA/APOB	Evaluation of Events and Conditions: Risk Assessments for Use in the Significance Determination Process (SDP)	Jeff Circle Jeffrey Mitman Antonios Zoulis

Primary Staffing Plan for DPR

Branch	Job Tasks/Specialty	Current Staff Member
DPR/PLPB	NOED Process Lead	Sheldon Stuchell Dave Beaulieu John Jolicoeur
DPR/PGCB	Generic Communication Project Lead	Tanya Mensah Andrea Russell Thomas Alexion Stacey Rosenberg
DPR/PLPB	Pandemic NRR PM	Joseph Golla Andrea Russell Thomas Alexion Sheldon Stuchell
DPR/PRLB	Research and Test Reactor (RTR) Licensing	Alexander Adams William Kennedy
DPR/PRLB	RTR Security/EP	Alexander Adams Elizabeth Reed Scott Sloan
DPR/PRLB	Navy Services	Alexander Adams Duane Hardesty
DPR/PROB	RTR Inspections	Patrick Isaac Craig Bassett Johnny Eads Gary Morlang
DPR/PRPB	Medical Isotope Facility (Molly 99)	Marcus Voth Ossy Font

Primary Staffing Plan for DIRS

Branch	Job Tasks/Specialty	Current Staff Member
DIRS/ITSB	Licensing: Review of Emergent Technical Specification Change Amendments	Gerald Waig Carl Schulten Matthew Hamm Ravi Grover Kristy Bucholtz
DIRS/IRIB	Inspections: Review of Baseline Inspection Scope Changes	Jim Isom Aron Lewin Jeremy Bowen Donald Norkin Ross Telson
DIRS/IHPB	Licensing: Human Factors and Fatigue Rule (10 CFR Part 26, Subpart I)	Michael Boggi Kamishan Martin

Primary Staffing Plan for DCI

Branch	Job Tasks/Specialty	Current Staff Member
DCI DCI/CSGB	Steam Generators	Kenneth Karwoski Emmett Murphy
DCI DCI/CPNB DCI/CVIB	Reactor Coolant System (RCS) Leakage Monitoring	Kenneth Karwoski Keith Hoffman Matthew Mitchell
DCI/CPNB DCI	Leak Before Break	John Tsao Robert Hardies
DCI/CPNB DCI/CVIB DCI	Operational Leakage	Tim Lupold Matthew Mitchell Kenneth Karwoski
DCI/CSGB	Containment Sump Chemical Effects	Paul Klein Matthew Yoder
DCI/CSGB	Coatings	Matthew Yoder Emma Wong
DCI/CSGB	Chemical Engineering	Matthew Yoder Emma Wong
DCI/CPTB	Valves	John Huang John Billerbeck
DCI/CPTB	Diesel Generators	Robert Wolfgang Michael Farnan
DCI/CPTB	Pumps	Robert Wolfgang Gurjendra Bedi
DCI/CPNB DCI DCI/CVIB	Corrosion	Dave Alley Robert Hardies Ganesh Cheruvenki
DCI/CPNB DCI DCI/CVIB DCI/CVIB	Welding	Jay Collins Robert Hardies Edward Andruszkiewicz Ganesh Cheruvenki
DCI/CPNB	American Society of Mechanical Engineers (ASME) Code Nondestructive Examination (NDE)	Donald Naujock Tim Lupold Stephen Cumblidge
DCI/CPNB DCI/CPNB DCI/CVIB DCI/CVIB	ASME Code Flaw Evaluation	John Tsao Keith Hoffman Simon Sheng Matthew Mitchell
DCI/CVIB DCI/CVIB DCI/CVIB DCI DCI/CVIB	Reactor Pressure Vessel Materials, Inspection, Surveillance, Internals	Thomas McLellan Carolyn Fairbanks Ganesh Cheruvenki Robert Hardies Matthew Mitchell

Primary Staffing Plan for DE

Branch	Job Tasks/Specialty	Staff Member
	Headquarters Incident Response Team	Patrick Hiland
DE/EEEB	Diesel Generators	Gurcharan Matharu Matthew McConnell Vijay Goel
DE/EEEB	Grid Reliability/ Stability	Vijay Goel Gurcharan Matharu
DE/EECB	Battery	Matthew McConnell Prem Sahay
DE/EECB	Environmental Qualification	Matthew McConnell Prem Sahay
DE/EMCB	Mechanical Engineering	Alexander Tsirigotis Chakrapani Basavaraju William Jessup
DE/EMCB	Structural Engineering	Farhad Farzam George Thomas
DE/EICB	Analog Instrumentation & Control Engineering	David Rahn Rich Stattel Stephen Wyman
DE/EICB	Digital Instrumentation & Control Engineering	Norbert Carte Gursharan Singh Bernard Dittman
DE/AT	Allegations	Lois James Joseph Petrosino Paul Prescott Robert Pettis
DE/EQVB	Quality Assurance	Paul Prescott Robert Pettis Jonathan Ortega
All Branches	Support Staff	All Branches

Staffing Plan for DORL

DORL will use backup PMs according to the DORL roster, available on the NRC webpage. If backup PMs are not available, DORL will choose the most accessible and logical person (i.e., a person with exposure to the affected plant, branch chief, or acting person according to the order of succession).

Branch	Staff Member (PMs)
LPL1-2	Bamford, Peter
LPL3-1	Beltz, Terry
LPL 3-2	Billoch, Araceli
LPL1-1	Boska, John
LPL2-1	Boyle, Patrick
LPL3-2	Brown, Eva
LPL3-1	Chawla, Mahesh
LPL2-1	Cotton, Karen
LPL3-2	DiFrancesco, Nicholas
LPL1-2	Ennis, Rick
LPL3-1	Feintuch, Karl
LPL4	Gibson, Lauren
LPL2-2	Gratton, Christopher
LPL1-1	Guzman, Richard
LPL4	Hall, Randy
LPL1-2	Hughey, John
LPL4	Kalyanam, Kaly
LPL1-1	Kim, James
WB	Lamb, John
LPL2-2	Lingam, Siva
WB	Lyon, Fred
LPL3-2	Mahoney, Michael
LPL2-1	Martin, Robert
WB	Milano, Pat
LPL1-2	Miller, Ed
LPL1-1	Morgan, Nadiyah
LPL2-2	Mozafari, Brenda
LPL3-2	Norton, Charles
LPL2-2	Orf, Tracy
LPL2-2	Paige, Jason
LPL1-1	Pickett, Douglas
LPL4	Polickoski, James
WB	Poole, Justin
WB	Raghavan, L.
LPL2-2	Saba, Farideh
LPL1-2	Sanders, Carleen
LPL4	Singal, Balwant
LPL2-1	Sreenivas, V.
LPL2-1	Stang, John
LPL3-1	Tam, Peter
LPL4	Thadani, Mohan
LPL2-1	Thompson, Jon
LPL1-1	Vaidya, Bhalchandra
LPL4	Wang, Alan

LPL3-1	Wengert, Thomas
LPL2-1	Wiebe, Joel
LPL4	Wilkins, Lynnea

Primary Staffing Plan for PMDA

Branch	Job Tasks/Specialty	Staff Member
CMB	Enterprise Support Function: Contracts	Marianne Narick Bernard Grenier Richard Daniel Dee Taylor Tamara Williams
BFEB	Enterprise Support Function: Budget Execution	Hong Le Carolyn Nguyen Sylvia Valencia Gary Tharpe
BFEB	Enterprise Support Function: Budget Formulation	Hong Le Karenina Newell Arlette Howard
ISB	Enterprise Support Function: Time and Labor	T.J. Gorham Doris Twigg Makeeka Compton
BFEB	Enterprise Support Function: Travel	Hong Le Cynthia Dorsey Sylvia Valencia
ISB	Enterprise Support Function: Records Management	T.J. Gorham Leslie Hill Sandra Walker Patti Craver
ITB	Enterprise Support Function: Computer System Support	Bryan Champion Indu Konduri Gayathri Sastry

Appendix E Office of Nuclear Reactor Regulation Order of Succession

Position	Order of Succession	Currently Filled by
Director, Office of Nuclear Reactor Regulation (NRR)	1. Deputy Director for Reactor Safety Programs 2. Deputy Director for Engineering and Corporate Support 3. Director, Division of Operating Reactor Licensing (DORL) 4. Director, Division of Inspection and Regional Support (DIRS)	1. Bruce Boger 2. Jack Grobe 3. Joseph Giitter 4. Frederick Brown
Deputy Director for Reactor Safety Programs	1. Director, DORL 2. Director, DIRS 3. Director, Division of Policy and Rulemaking (DPR) 4. Director, Division of License Renewal (DLR)	1. Joseph Giitter 2. Frederick Brown 3. Timothy McGinty 4. Brian Holian
Deputy Director for Engineering and Corporate Support	1. Director, Division of Safety Systems (DSS) 2. Director, Division of Engineering (DE) 3. Director, Division of Component Integrity (DCI) 4. Director, Division of Risk Assessment (DRA)	1. William Ruland 2. Patrick Hiland 3. John Lubinski (Acting) 4. Mike Cheok (Acting)
Director, DRA	1. Deputy Director, DRA 2. Deputy Director for Fire Protection, DRA 3. Branch Chief, Probabilistic Risk Assessment (PRA) Licensing Branch A (APLA) 4. Branch Chief, Fire Protection Branch (AFPB) 5. Branch Chief, PRA Operational Support and Maintenance (APOB) 6. Branch Chief, Accident Dose Branch (AADB)	1. Samson Lee 2. Sunil Weerakkody 3. Donnie Harrison 4. Alex Klein 5. Veronica Rodriguez 6. Travis Tate

NRR Pandemic Response Plan

Position	Order of Succession	Currently Filled by
Director, DSS	1. Deputy Director, DSS 2. Branch Chief, Containment and Ventilation Branch (SCVB) 3. Branch Chief, Reactor Systems Branch (SRXB) 4. Branch Chief, Nuclear Performance and Code Review Branch (SNPB) 5. Branch Chief, Balance of Plant Branch (SBPB) 6. Branch Chief, Safety Issue Resolution Branch (SSIB)	1. Sher Bahadur 2. Anthony Ulses 3. Robert Dennig 4. Anthony Mendiola 5. Greg Casto 6. Stewart Bailey
Director, DE	1. Deputy Director, DE 2. Branch Chief, Instrumentation and Controls Branch (IECB) 3. Branch Chief, Mechanical and Civil Engineering Branch (EMCB) 4. Branch Chief, Electrical Engineering Branch (EEEB) 5. Branch Chief, Quality and Vendor Branch (EQVB) 6. Team Lead, Allegations Team (AT)	1. David Skeen 2. George Wilson 3. Meena Khanna 4. Roy Mathew 5. Martin Murphy 6. Lois James
Director, DCI	1. Deputy Director, DCI 2. Branch Chief, Vessels and Internals Integrity Branch (CVIB) 3. Branch Chief, Steam Generator Tube Integrity and Chemical Engineering Branch (CSGB) 4. Branch Chief, Piping and Nondestructive Examination (NDE) Branch (CPNB) 5. Branch Chief, Component Performance and Testing Branch (CPTB)	1. Brian Thomas 2. Matthew Mitchell 3. Robert Taylor 4. Tim Lupold 5. Anthony McMurtray
Director, DORL	1. Deputy Director, DORL 2. Deputy Director, DORL 3. Branch Chief, Plant Licensing Branch (LPL) 1-2 4. Branch Chief, LPL 4 5. Branch Chief, LPL 1-1	1. Robert Nelson 2. Allen Howe 3. Harold Chernoff 4. Michael Markley 5. Nancy Salgado
Director, DIRS	1. Deputy Director 2. Deputy Director 3. Branch Chief, Reactor Inspection Branch (IRIB) 4. Branch Chief, Operator Licensing and Training Branch (IOLB) 5. Branch Chief, Performance Assessment Branch (IPAB)	1. Frederick Brown 2. Rotational Assignee 3. Timothy Kobetz 4. John McHale 5. Rani Franovich

NRR Pandemic Response Plan

Position	Order of Succession	Currently Filled by
Director, DPR	1. Director, DPR 2. Deputy Directors, DPR 3. Branch Chief, Generic Communications and Power Uprate Branch (PGCB) 4. Branch Chief, Licensing Processes Branch (PLPB) 5. Branch Chief, Rulemaking (PRMB) 6. Branch Chief, Financial Analysis and International Projects Branch (PFIB) 7. Branch Chief, Research and Test Reactor Licensing Branch (PRLB) 8. Branch Chief, Research and Test Reactors Oversight Branch (PROB) 9. Research and Test Reactor Project Branch (PRPB)	1. Tim McGinty 2. Tom Blount 3. Stacey Rosenberg 4. John Jolicoeur 5. Shana Helton 6. Christopher Regan 7. Jessie Quichocho 8. Johnny Eads 9. Marcus Voth
Director, DLR	1. Deputy Director, DLR 2. Branch Chief, Projects Branch 1 (RPB1) 3. Branch Chief, Projects Branch 2 (RPB2) 4. Branch Chief, Aging Management of Plant Systems Branch (RAPB) 5. Branch Chief, Aging Management of Structures, Electrical, and Systems Branch (RASB) 6. Branch Chief, Environmental Review and Guidance Update Branch (RERB)	1. Melanie Galloway 2. Bo Pham 3. David Wrona 4. David Pelton 5. Raj Auluck 6. Andrew Imboden
Director, Program Management, Policy Development, and Analysis (PMDA)	1. Deputy Director 2. Branch Chief, Information Technology Branch (ITB) 3. Branch Chief, Infrastructure Services Branch (ISB) 4. Branch Chief, Budget Formulation and Execution Branch (BFEB) 5. Branch Chief, Contracts Management Branch (CMB) 6. Branch Chief, Human Capital Branch (HCB)	1. Kimberly Ferrell 2. Bryan Champion 3. TaJuan Gorham 4. Hong Le 5. Marianne Narick 6. Rohn Brown

NRR Pandemic Response Plan

Deputy Directors	Order of Succession	Currently Filled by
Deputy Director, DRA	1. Deputy, Fire Protection 2. Branch Chief, APLA 3. Branch Chief, AFPB 4. Branch Chief, APOB 5. Branch Chief, AADB	1. Sunil Weerakkody 2. Donnie Harrison 3. Alex Klein 4. Veronica Rodriguez 5. Travis Tate
Deputy Director, DSS	1. Branch Chief, SCVB 2. Branch Chief, SRXB 3. Branch Chief, SNPB 4. Branch Chief, SBPB 5. Branch Chief, SSIB	1. Anthony Ulses 2. Robert Dennig 3. Anthony Mendiola 4. Greg Casto 5. Stewart Bailey
Deputy Director, DE	1. Branch Chief, EICB 2. Branch Chief, EMCB 3. Branch Chief, EEEB 4. Branch Chief, EQVB 5. Sr. Allegations Coord., AT	1. George Wilson 2. Meena Khanna 3. Roy Mathew 4. Martin Murphy 5. Lois James
Deputy Director, DCI	1. Branch Chief, CVIB 2. Branch Chief, CSGB 3. Branch Chief, CPNB 4. Branch Chief, CPTB	1. Matthew Mitchell 2. Robert Taylor 3. Tim Lupold 4. Anthony McMurtray
Deputy Director, DORL	1. Director, DORL 2. Deputy Director, DORL 3. Branch Chief, LPL1-2 4. Branch Chief, LPL4 5. Branch Chief, LPL1-1	1. Joseph Giitter 2. Robert Nelson, Allen Howe 3. Harold Chernoff 4. Michael Markley 5. Nancy Salgado
Deputy Director, DIRS	1. Deputy Director 2. Branch Chief, IRIB 3. Branch Chief, IOLB 4. Branch Chief, IPAB 5. Branch Chief, Operating Experience Branch	1. Rotational Assignee 2. Timothy Kobetz 3. John McHale 4. Rani Franovich 5. John Thorp
Deputy Director, DPR	1. Director 2. Deputy Director, DPR 3. Branch Chief, (PGCB) 4. Branch Chief, (PLPB) 5. Branch Chief, (PRIB) 6. Branch Chief, (PFAB) 7. Branch Chief, (PRLB) 8. Branch Chief, (PROB) 9.Branch Chief, (PRPB)	1. Tim McGinty 2. Tom Blount 3. Stacey Rosenberg 4. John Jolicoeur 5. Shana Helton 6. Christopher Regan 7. Jessie Quichocho 8. Johnny Eads 9. Marcus Voth
Deputy Director, DLR	1. Branch Chief, RPB1 2. Branch Chief, RPB2 3. Branch Chief, RAPB 4. Branch Chief, RASB 5. Branch Chief, RERB	1. Bo Pham 2. David Wrona 3. David Pelton 4. Raj Auluck 5. Andrew Imboden

NRR Pandemic Response Plan

Branch Chiefs	Order of Succession	Currently Filled by
Branch Chief, APLA	1. Senior Risk Analyst 2. Senior Risk Analyst 3. Senior Risk Analyst	1. Andrew Howe 2. Stephen Dinsmore 3. Raymond Gallucci
Branch Chief, APOB	1. Senior Reliability Analyst 2. Senior Risk Analyst 3. Senior Reactor Analyst	1. Jeff Circle 2. Jeff Mitman 3. See-Meng Wong
Branch Chief, AADB	1. Senior Dose Analyst 2. Senior Dose Analyst 3. Dose Analyst 4. Meteorological Assessment	1. Mark Blumberg 2. John Parillo 3. Dylanne Duvigneaud 4. Leta Brown
Branch Chief, AFPB	1. Team Leader 2. Senior Fire Protection Engineer 3. Senior Fire Protection Engineer 4. Fire Protection Engineer	1. Daniel Frumkin 2. Paul Lain 3. Harold Barrett 4. Naeem Iqbal
Branch Chief, SRXB	1. Senior Reactor Systems Engineer 2. Senior Reactor Systems Engineer 3. Senior Reactor Systems Engineer	1. Sam Miranda 2. Summer Sun 3. Warren Lyon
Branch Chief, SBPB	1. Senior Plant Systems Engineer 2. Senior Plant Systems Engineer 3. Senior Plant Systems Engineer 4. Senior Plant Systems Engineer	1. Steve Jones 2. Gerard Purciarello 3. Stanley Gardocki 4. Edward Smith
Branch Chief, SCVB	1. Senior Engineer 2. Senior Engineer 3. Senior Engineer	1. Richard Lobel 2. Jerome Bettle 3. Ahsan Sallman
Branch Chief, SNPB	1. Senior Nuclear Engineer 2. Senior Reactor Engineer 3. Senior Engineer	1. Anthony Attard 2. Leonard Ward 3. Yuri Orechwa
Branch Chief, SSIB	1. Reactor Systems Engineer 2. Reactor Systems Engineer 3. Reactor Systems Engineer	1. Ralph Architzel 2. James Beall 3. Steve Smith
Branch Chief, EEEB	1. Senior Electrical Engineer 2. Senior Electrical Engineer 3. Electrical Engineer	1. Gurcharan Matharu 2. Matthew McConnell 3. Prem Sahay
Branch Chief, EICB	1. Senior Instrumentation and Control Engineer 2. Senior Instrumentation and Control Engineer 3. Senior Instrumentation and Control Engineer	1. Norbert Carte 2. Richard Stattel 3. David Rahn

NRR Pandemic Response Plan

Branch Chief, EMCB Meena Khanna	1. Senior Structural Engineer 2. Senior Mechanical Engineer 3. Senior Mechanical Engineer	1. Farhad Farzam 2. Alexander Tsirigotis 3. Chakrapani Basavaraju
Branch Chief, EQVB	1. Senior Operations Engineer 2. Senior Reactor Systems Engineer 3. Senior Operations Engineer	1. Paul Prescott 2. Robert Pettis 3. Jonathan Ortega
Branch Chief, CPNB Tim Lupold	1. Senior Materials Engineer 2. Senior Materials Engineer 3. Materials Engineer 4. Materials Engineer 5. Materials Engineer	1. John Tsao 2. Jay Collins 3. Keith Hoffman 4. Donald Naujock 5. Stephen Cumblidge
Branch Chief, CVIB Matthew Mitchell	1. Senior Materials Engineer 2. Senior Materials Engineer 3. Senior Materials Engineer 4. Materials Engineer 5. Materials Engineer 6. Materials Engineer	1. Simon Sheng 2. Carolyn Fairbanks 3. Jeff Poehler 4. Thomas McLellan 5. Ganesh Cheruvenki 6. Patrick Purtscher
Branch Chief, CSGB Robert Taylor	1. Senior Materials Engineer 2. Senior Materials Engineer 3. Senior Chemical Engineer 4. Materials Engineer 5. Materials Engineer 6. Chemical Engineer	1. Emmett Murphy 2. Paul Klein 3. Matthew Yoder 4. Andrew Johnson 5. Prakash Patnaik 6. Emma Wong
Branch Chief, CPTB Anthony McMurtray	1. Senior Mechanical Engineer 2. Senior Mechanical Engineer 3. Senior Mechanical Engineer	1. Y.S. (John) Huang 2. Robert Wolfgang 3. Gurjendra Bedi
Branch Chief, LPL1-1 Nancy Salgado	1. Branch Chief 1-2 2. Branch Chief 2-1 3. Branch Chief 2-2 4. Branch Chief 3-1 5. Branch Chief 3-2	1. Harold Chernoff 2. Gloria Kulesa 3. Doug Broaddus 4. Robert Pascarelli 5. Robert Carlson
Branch Chief, LPL1-2 Harold Chernoff	1. Branch Chief 1-1 2. Branch Chief 2-1 3. Branch Chief 2-2 4. Branch Chief 3-1 5. Branch Chief 3-2	1. Nancy Salgado 2. Gloria Kulesa 3. Doug Broaddus 4. Robert Pascarelli 5. Robert Carlson
Branch Chief, LPL2-1 Gloria Kulesa	1. Branch Chief 2-2 2. Branch Chief 3-1 3. Branch Chief 3-2 4. Branch Chief 4 5. Branch Chief WB	1. Doug Broaddus 2. Robert Pascarelli 3. Robert Carlson 4. Michael Markley 5. Stephen Campbell
Branch Chief, LPL2-2 Doug Broaddus	1. Branch Chief 2-1 2. Branch Chief 3-1 3. Branch Chief WB 4. Branch Chief 4 5. Branch Chief 3-2	1. Gloria Kulesa 2. Robert Pascarelli 3. Stephen Campbell 4. Michael Markley 5. Robert Carlson

NRR Pandemic Response Plan

Branch Chief, LPL3-1 Robert Pascarelli	1. Branch Chief 3-2 2. Branch Chief 1-2 3. Branch Chief 4 4. Branch Chief WB 5. Branch Chief 1-1	1. Robert Carlson 2. Harold Chernoff 3. Michael Markley 4. Stephen Campbell 5. Nancy Salgado
Branch Chief, LPL3-2 Robert Carlson	1. Branch Chief 3-1 2. Branch Chief 4 3. Branch Chief WB 4. Branch Chief 1-1 5. Branch Chief 1-1	1. Robert Pascarelli 2. Michael Markley 3. Stephen Campbell 4. Nancy Salgado 5. Harold Chernoff
Branch Chief, LPL4 Michael Markley	1. Branch Chief WB 2. Branch Chief 2-2 3. Branch Chief 1-2 4. Branch Chief 2-1 5. Branch Chief 1-1	1. Stephen Campbell 2. Doug Broaddus 3. Harold Chernoff 4. Gloria Kulesa 5. Nancy Salgado
Branch Chief, WB2 Stephen Campbell	1. Branch Chief 4 2. Branch Chief 3-1 3. Branch Chief 1-2 4. Branch Chief 2-1 5. Branch Chief 2-2	1. Michael Markley 2. Robert Pascarelli 3. Harold Chernoff 4. Gloria Kulesa 5. Doug Broaddus
Branch Chief, IRIB Timothy Kobetz	1. Senior Staff 2. Senior Staff 3. Senior Staff	1. Jim Isom 2. Ross Telson 3. Jeremy Bowen
Branch Chief, IOEB John Thorp	1. Senior Staff 2. Senior Staff 3. Senior Staff	1. Eric Thomas 2. Mark King 3. Steve Pannier
Branch Chief, IPAB Rani Franovich	1. Senior Staff 2. Senior Staff 3. Senior Staff	1. Ronald Frahm 2. Armando Masciantonio 3. Audrey Klett
Branch Chief, ITSB Robert Elliot	1. Senior Staff 2. Senior Staff 3. Senior Staff	1. Gerald Waig 2. Carl Schulten 3. Matthew Hamm
Branch Chief, IOLB John McHale	1. Senior Staff 2. Senior Staff 3. Senior Staff	1. John Munro 2. Timothy Kolb 3. Dave Muller
Branch Chief, IHPB Undine Shoop	1. Senior Staff 2. Senior Staff 3. Senior Staff	1. Roger Pedersen 2. Steven Garry 3. Michael Boggi
Branch Chief, PGCB	1. Senior Project Manager 2. Senior Project Manager 3. Senior Project Manager 4. Project Manager	1. Thomas Alexion 2. Eric Bowman 3. Sheldon Stuchell 4. Andrea Russell

NRR Pandemic Response Plan

Branch Chief, PLPB	1. Senior Project Manager 2. Senior Project Manager 3. Senior Project Manager 4. Project Manager	1. Michelle Honcharik 2. Tanya Mensah 3. Barry Miller 4. Holly Cruz
Branch Chief, PRMB	1. Senior Project Manager 2. Senior Project Manager 3. Senior Program Manager 4. Senior Program Manager	1. Mark Padovan 2. Stewart Schneider 3. Timothy Reed 4. Richard Dudley
Branch Chief, PRLB	1. Senior Project Manager 2. Senior Project Manager 3. Senior Project Manager	1. Alexander Adams 2. Linh Tran 3. Duane Hardesty
Branch Chief, PROB	1. Senior Project Manager 2. Reactor Inspector 3. Reactor Inspector 4. Reactor Engineer	1. Patrick Isaac 2. Craig Bassett 3. Gregory Schoenebeck 4. Paul Doyle
Branch Chief, PFIB	1. International Team Leader 2. Senior Financial Analyst 3. Senior Cost Analyst 4. Senior Project Manager for International Programs 5. Financial Analyst	1. Heather Astwood 2. Clayton Pittiglio 3. Brian Richter 4. Jon Hopkins 5. Michael Dusaniwskyi
Branch Chief, PRPB	1. Senior Project Manager 2. Project Manager 3. General Engineer	1. Marcus Voth 2. Elizabeth Reed 3. Ossy Font
Branch Chief, CMB	1. Technical Assistance PM 2. Technical Assistance PM 3. Technical Assistance PM	1. Bernard Grenier 2. Richard Daniel 3. Dee Taylor
Branch Chief, ISB	1. Senior Program Analyst 2. Senior Program Analyst 3. Management Analyst	1. Lauren Claggett 2. Sandra Walker 3. Patti Craver
Branch Chief, BFEB	1. Senior Financial Analyst 2. Senior Program Analyst	1. Caroline Nguyen 2. Karenina Newell
Branch Chief, HCB	1. Senior Management Analyst 2. Management Analyst 3. Management Analyst	1. Lynne Sapp 2. Michelle Manahan 3. Sue Decker
Branch Chief, ITB	1. Senior IT Specialist 2. Senior IT Specialist 3. Senior IT Specialist	1. Indu Konduri 2. Gayathri Sastry 3. Louise Lovell

From: Haney, Catherine
To: Kinneman, John
Subject: Lorena
Date: Thursday, March 17, 2011 10:22:00 AM

John
I heard that Lorena accepted a job in NSIR as a lead Division Secretary. (b)(6)

Cathy

From:	Harrison, Donnie
To:	NRR_DRA_APLA Distribution; Cheok, Michael; Laur, Steven; Lee, Samson; Heida, Bruce; Rodriguez, Veronica; Tate, Travis; Klein, Alex
Cc:	Alexander, Cheryl; Graham, Camillea
Subject:	Work from home today
Date:	Thursday, March 17, 2011 10:22:31 AM

As I returned home early this morning I slept in and plan to work the rest of the day from home. If there is anything urgent that needs direct attention in the office please work with Steve Dinsmore. Otherwise feel free to call me (b)(6) or email.

Thanks!
Sent from NRC blackberry
Donnie Harrison
(b)(6)

Satorius, Mark

From: Riemer, Kenneth
Sent: Thursday, March 17, 2011 10:37 AM
To: ALL_R3
Subject: daily morning meeting notes for 3/17
Attachments: Daily Morning Meeting News March.17.2011.doc

The Daily Morning Meeting News for March 17, 2011

Note: This newsletter may contain pre-decisional info.

Do not distribute outside the NRC.

Support Issues:

RA * Happy St. Patrick's Day! Reminder that EWRA sponsoring coffee & donuts

- DRA call yesterday with NRR and other regions: discussing follow-up (TI?, smart sample?) and possible agency actions w/r.t. what NRC's specific response should be based on Japanese event
- Reminder that all Japanese event info discussed internally such as conf calls, status reports, etc. are OUO and should not be discussed outside of NRC.

DRP None

DRS timely & relevant info from Duane Arnold CDBI with respect to operation of RCIC during SBO events. Operation of the system during an SBO has the potential to reduce battery margin; specifically there was a difference between the operational instructions for use of the system vs. assumptions used in the batter calc. (OIs directed that system is running continuously while the battery calculations assumed system was stopped and started). In the case of Duane Arnold the system was still operable, but margins were reduced.

DNMS None

DRMA None

STATES

PAO continued.extensive coverage of Japanese events:

- Chairman testimony yesterday – change in posture based on the quality of information received. NRC is performing our own dose projections and recommended evacuation of U.S. citizens to 50 miles, in contrast to Japanese gov't recommendation to evacuate out to 20 kilometers (~ 12 miles).

http://www.bulletinnews.com/nrc/

TSS None

EICS Enforcement panel today in new location: 3rd floor PDC – 2 materials cases to be paneled.

Materials Events/Issues

None

Reactor Events

Plant status

BRANCH 1

Dresden U2: * update on Congressman Rush visit on Friday: he wants to meet with RIO, and he will hold a press conference.

- Licensee has started building scaffolding to install the ASD (alternate speed drives) on the reactor recirulation system. Licensee will implement the modification this fall.

U3:

Quad Cities U1:

U2:

Clinton

BRANCH 2

Monticello Mode 5, temp = 90, RPV flooded up and time to boil = 33.8 hours

LaSalle U1:

U2:

Duane Arnold

BRANCH 3

Byron U1: Mode 6, time to boil = 18 minutes, RPV head lifted yesterday and removing internals today

U2:

Braidwood U1:

U2:

BRANCH 4

Fermi

Palisades * completed license renewal electrical inspections on the transformers so unit is back to full power.

- Unidentified leakage is at 0.137 gpm for the second day in a row. This is greater than the 3 sigma threshold; region working with HQ to evaluate

Prairie Island U1:

U2:

BRANCH 5

Point Beach U1: 14 hours to boil in the spent fuel pool; core reload next week

U2:

Kewaunee Mode 5 with a time to boil of 90 minutes; mode 4 early next week

BRANCH 6

Davis-Besse

DC Cook U1: delays with startup; criticality anticipated this morning and synch to grid this afternoon

U2:

Perry

NRR

None

Additional Support Issues

Other Issues

Personnel News

Daily

One Week Look Ahead

Weekly EDO Call Bullets

None

Post 8:15 Meeting Topics

EDG governor discussion (DRS – Mike Jones)

S:\Daily Morning Meeting Notes

The above link will open Windows Explorer, and simple searches for past "Post-8:15 Meeting Topics" can be performed using the "Search" function. The presenter may be able to provide additional information or answer questions of interest regarding the particular topic.

From: Mikulas.Turner@ujd.gov.sk
To: B.Al-Madhi@iaea.org
Cc: a.mannan@pnra.org; Adorjan@haea.gov.hu; albert.frischknecht@ensi.ch; asmolov@nsi.kiae.ru; (b)(6); Borchardt, Bill; cgv@csn.es; DLange@ltbridge.com; embassy@kazakhstan.at; embassy.lebanon@inode.at; general@uae-iaea.org; hirano.masashi@iaea.go.jp; hklonk@bfs.de; info@bahrain-mission.ch; info@jordanembassy.at; info@nigeriaembassyvienna.com; Grobe, Jack; jiangwei@sepa.gov.cn; (b)(6); jukka.laaksonen@stuk.fi; kharlam-sa@rosenergoatom.ru; khs00@mest.go.kr; kimhj@kins.re.kr; kudo-fumio@jnes.go.jp; lennart.carlsson@ssm.se; lucian.biro@cncan.ro; M.Svab@iaea.org; marcel.maris@belv.be; marie-pierre.comets@asn.fr; michel.asty@wanadoo.fr; mission.mali@bluewin.ch; momari@jordanembassy.at; Mzmsebenzi@nnr.co.za; nawadi@kisr.edu.kw; (b)(6) office@libyanembassyvienna.at; office@bhmission.at; officialmail@aea.ac.lk; patrick.majerus@ms.etat.lu; peng.jun@mep.gov.cn; piallat@botschaft-senegal.de; pkhot@npcil.co.in; rob.campbell@hse.gsi.gov.uk; sakamoto-kazunobu@jnes.go.jp; saudimission.un@saudiembassy.at; (b)(6) soaresjc@cii.fc.ul.pt; tryan@rpii.ie; wmsim@mest.go.kr; yvonne.schweiwiller@ensi.ch
Subject: Re: Uploading answers to CNSWeb - no deadline!
Date: Thursday, March 17, 2011 10:39:30 AM

Dear Ms. Al Madhi,

could you please explain the reasons for the change in the deadline agreed at the 4th review meeting by Contracting Parties (18 March 2011).

Best regards,

Mikulas Turner
Director
Division of International Relations
Nuclear Regulatory Authority of the Slovak Republic
phone: + 421 2 58221114
fax: + 421 2 58221166
e-mail: Mikulas.Turner@ujd.gov.sk

<B.Al-Madhi@iaea.org>
17.03.2011 14:50

To
<mission.mali@bluewin.ch>,
<info@nigeriaembassyvienna.com>,
<info@jordanembassy.at>,
(b)(6)
<momari@jordanembassy.at>,
<general@uae-iaea.org>,
<office@bhmission.at>,
<embassy@kazakhstan.at>,
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<office@libyanembassyvienna.at>,
<saudimission.un@saudiembassy.at>,
<officialmail@aea.ac.lk>,
<piallat@botschaft-senegal.de>,
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(b)(6)
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<khs00@mest.go.kr>,
<wmsim@mest.go.kr>,
<peng.jun@mep.gov.cn>,
(b)(6)
<yvonne.schweiwiller@ensi.ch>

cc

<M.Svab@iaea.org>

Subject

Uploading answers to CNSWeb - no deadline!

Dear Colleagues,
This is to inform you that the system (CNSWeb) will not prevent you from uploading answers at any date or time! That means, you are able to upload your answers even after the 18 March 2011.
Best regards

Balsam Al-Madhi (Ms.)
Safety Service Assistant
International Atomic Energy Agency (IAEA)
Regulatory Activities Section (RAS)
Division of Nuclear Installation Safety
Department of Nuclear Safety and Security
Tel: (+43 1) 2600-22521
Fax: (+43 1) 26007-22521

E-mail: B.Al-Madhi@iaea.org

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Satorius, Mark

From: Ragan Communications [ragan@reply.ms00.net]
Sent: Thursday, March 17, 2011 10:42 AM
To: Satorius, Mark
Subject: HR's most powerful recruiting and retention weapon

Nine out of ten corporate employees, including the most intelligent, the most ambitious self-starters, do better work if they've had professional training.

Then why do even the most wide-awake corporations resist committing enough resources to training and learning?

Find out from Sue Drake, president of Drake Resource Group, in her new Ragan webinar, "Your most critical investment: How successful organizations find and grow talent," airing on April 14, from 2:00-3:15 p.m. Central Time.

Sue Drake is one of the most passionate advocates of strong corporate professional development you'll ever meet. Her insights will amaze you:

- The four main obstacles any corporate training program MUST take into account
- The No. 1 mistake corporate professional development programs make: Corporate leaders fail to adapt their adult learning programs to today's Web-literate, virtual-reality-learner populations. How to present new e-learning to corporate leaders
- Why the main issue in corporate training ISN'T technology: it's the kind of technology and the way that it is used that is absolutely crucial to success
- How to answer when your CEO says, "Our employees can learn new stuff on the job, the way I did!"
- Why the end of a serious recession—now—may be the best time to push for a modernized, expanded program of corporate professional development
- How do you know if your employees learned anything?

- How do you truly engage today's short-attention-span adult learners in their training?

Leading corporations are quickly moving to new learning styles—blended learning, self-paced instruction, virtual learning—to get big chunks of information and ideas across to many employees in a short time. Don't be left behind!

Join us on April 14 to learn why strong professional development is the single most powerful recruiting and retention weapon in your company's arsenal.

Remove yourself from future email here

Ragan Communications, Inc. | 111 E. Wacker Dr. | Ste. 500 | Chicago, IL 60601 | USA | cservice@ragan.com
This message was sent to mas@nrc.gov
pmguid: .

Bozin, Sunny

From: Bozin, Sunny
Sent: Thursday, March 17, 2011 10:43 AM
To: Zorn, Jason; Nieh, Ho; Herr, Linda; Warnick, Greg; Franovich, Mike; Kock, Andrea; Ostendorff, William
Subject: RE: Farewell lunch for Greg

Importance: High

(b)(6)

From: Zorn, Jason
Sent: Thursday, March 17, 2011 10:39 AM
To: Nieh, Ho; Bozin, Sunny; Herr, Linda; Warnick, Greg; Franovich, Mike; Kock, Andrea; Ostendorff, William
Subject: RE: Farewell lunch for Greg

I don't want to gum things up, but I (and possibly Andrea and Ho) will be downtown Tuesday morning for the HLW oral argument in the DC Circuit. I'm not 100% sure it will end, but I don't expect we will be back until after lunch.

From: Nieh, Ho
Sent: Thursday, March 17, 2011 10:32 AM
To: Bozin, Sunny; Herr, Linda; Warnick, Greg; Franovich, Mike; Kock, Andrea; Zorn, Jason; Ostendorff, William
Subject: Re: Farewell lunch for Greg

Good idea.

Sent via BlackBerry

Ho Nieh
Chief of Staff
Office of Commissioner William C. Ostendorff
U.S. Nuclear Regulatory Commission
(301) 415-1811 (office)
(b)(6) (mobile)
(301) 415-1757 (fax)
ho.nieh@nrc.gov

From: Bozin, Sunny
To: Herr, Linda; Warnick, Greg; Franovich, Mike; Nieh, Ho; Kock, Andrea; Zorn, Jason; Ostendorff, William
Sent: Thu Mar 17 10:28:06 2011
Subject: Farewell lunch for Greg

(b)(6)

(b)(6)

Thank u

From: Heida, Bruce
To: Cheok, Michael
Cc: Rodriguez, Veronica
Subject: RE: OIP
Date: Thursday, March 17, 2011 10:44:50 AM

Thank you.

-----Original Message-----
From: Cheok, Michael
Sent: Thursday, March 17, 2011 10:44 AM
To: Heida, Bruce
Cc: Rodriguez, Veronica
Subject: RE: OIP

Oops - sorry. Mis-read your e-mail. I have NO objection. I meant to say, YES, please forward his name.

-----Original Message-----
From: Heida, Bruce
Sent: Thursday, March 17, 2011 10:30 AM
To: Cheok, Michael
Cc: Rodriguez, Veronica
Subject: RE: OIP

Thank you.

Per your response, I will not forward Jim Vial for OIP support. Please let me know if there is anyone you do wish to provide for OIP support.

Bruce

-----Original Message-----
From: Cheok, Michael
Sent: Thursday, March 17, 2011 10:02 AM
To: Heida, Bruce
Subject: RE: OIP

yes

-----Original Message-----
From: Heida, Bruce
Sent: Thursday, March 17, 2011 8:51 AM
To: Cheok, Michael
Subject: FW: OIP

Mike,

Do you have any objection to forwarding Jim Vail's name as potential support for OIP?

Bruce Heida

-----Original Message-----
From: Rodriguez, Veronica
Sent: Thursday, March 17, 2011 8:18 AM
To: Heida, Bruce
Cc: Cheok, Michael; Lee, Samson
Subject: FW: OIP

Jim Vail can support.

--Veronica

-----Original Message-----
From: Tate, Travis
Sent: Wednesday, March 16, 2011 4:48 PM
To: Rodriguez, Veronica; Klein, Alex; Harrison, Donnie
Cc: Cheok, Michael; Lee, Samson; Heida, Bruce
Subject: FW: OIP

Additional information on level of expertise necessary. This sounds more like administrative staff or Jr. staff.

-----Original Message-----
From: Heida, Bruce
Sent: Wednesday, March 16, 2011 4:44 PM
To: Tate, Travis
Subject: OIP

OIP support will be to answer phones, document any questions, forward those questions to the person collecting all questions, read official responses provided by OIP. No technical nor high level experience required. Also, we should not let the support hurt our normal tasks.

Bruce Heida
US NRC
NRR/DRA
(301) 415-3221

From: Holahan, Vincent
To: Lubinski, John
Subject: RE: PMT Director Deputy - Rev 1
Date: Thursday, March 17, 2011 10:46:13 AM

John,

No issues with the schedule.

Cheers,
Vince

E. Vincent Holahan, Ph.D.
Senior Level Advisor
Division of Materials Safety and State Agreements, MS T8 E24
Office of Federal and State Materials and Environmental Programs
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

301-415-7510
(b)(6) (cell)
301-415-5955 (fax)

Vincent.Holahan@nrc.gov

From: Lubinski, John
Sent: Wednesday, March 16, 2011 4:05 PM
To: Cool, Donald; Reis, Terrence; Holahan, Patricia; Holahan, Vincent; Milligan, Patricia; Sullivan, Randy; Tappert, John; Lui, Christiana; Gibson, Kathy; Coe, Doug
Subject: PMT Director Deputy - Rev 1

Thanks for the quick responses. I have made a revision to account for some conflicts that people have identified. These are included in **bold.**

Please let me know by noon tomorrow if ok. I feel very comfortable with the first 4 days so if a problem let me know asap.

Owen, Lucy

From: Owen, Lucy
Sent: Thursday, March 17, 2011 11:02 AM
To: Collins, Elmo; Howell, Art; Hays, Myra; Pellet, John
Subject: FW: Schedule Updates

Importance: High

FYI below.....

From: Taylor, Renee
Sent: Thursday, March 17, 2011 9:52 AM
To: Miles, Patricia; Buckley, Patricia; Matakas, Gina; Owen, Lucy
Subject: Schedule Updates

Ladies,

Just to give you a heads up on some changes coming up. Tomorrow's Sr. Monthly Mgmt. meeting is being rescheduled for Friday, March 25th from 9:00-10:00am (EST). The CFO Budget meeting tomorrow (3/18) is still on from 9:00-10:00am (EST). More details will come out.

If you have any questions, please feel free to call.

Thanks,
Renee

From:	Petri, Mark C.
To:	Cheok, Michael
Cc:	Petri, Mark C.; wfulk@utk.edu
Subject:	LERDWG invitation
Date:	Thursday, March 17, 2011 11:17:46 AM

Dear Michael,

Thank you for giving me a call back yesterday. As we discussed, the Laboratory Energy R&D Working Group is an organization of 14 Department of Energy laboratories. Meetings are held bimonthly in D.C. that bring together mid- and senior-level lab managers for a day-long series of presentations on current energy research and related topics. It's common for program managers from DOE and other federal agencies to attend, depending on the agenda topics.

For the June 22 meeting, I'm hoping to have a few presentations on nuclear power safety. The topic, I think, will be of much interest to the meeting participants, given the events in Japan. If you or one of your experts is available, I would welcome a talk from the NRC on probabilistic risk assessments. In particular, it would be good to have a short tutorial on how PRAs handle external hazard events and common-cause failures. Perhaps the Japanese accident has implications for such analyses, such as our estimate of initiating event frequencies. The talk could include, perhaps, a discussion of how the NRC uses PRAs in its regulatory activities.

The agendas typically provide 45-minute slots for presentations, including time for questions and answers.

The meetings are held at Suite 930 of The 901 Bldg. at 901 D Street S.W. in Washington, D.C.

Would you be able to provide a speaker for our June 22 LERDWG meeting?

Sincerely,

Mark C. Petri
Technology Development Director
Energy Engineering and Systems Analysis Directorate
Argonne National Laboratory
630-252-3719
mcpetri@anl.gov

From: Rodgers, Mary
To: McCartin, Timothy; Chidichimo, Gabriele; Ford, William; Parker, Nicole; Rodgers, Mary; Valencia, Jennifer
Cc: Haney, Catherine; Dorman, Dan; Kokajko, Lawrence; Mohseni, Aby; Davis, Jack
Subject: FOIA/PA-2011-0010A(ppeal) (NMSS201100104/NMSS-2011-0046)
Date: Thursday, March 17, 2011 11:18:26 AM
Attachments: NMSS-2011-0046.pdf
NMSS201100104.pdf

LADIES/GENTLEMEN:

AN APPEAL HAS BEEN REQUESTED AND HAS BEEN HAND-DELIVERED TO TIM MCCARTIN ON BILL FORD REQUEST.

DUE TO NMSS: 03/25/2011

DUE TO OIS: 03/28/2011

Mary L. Rodgers, NMSS
FOIA/Records Manager
(301) 492-3246

From: Culleen, Barbara
Sent: Thursday, March 17, 2011 10:59 AM
To: Rodgers, Mary
Subject: FOIA/PA-2011-0010A

Mary,

Respond on the referral form with an explanation of either releasing, partially releasing or continue to deny and the reason with the Office Director signing off on it.

Thanks.

Barbara Culleen, FOIA/PA Specialist
FOIA/Privacy Section, Information Services Branch
301-415-6873
Barbara.Culleen@nrc.gov

Electronic Document and Action Tracking System

EDATS Number: NMSS-2011-0046 **Source:** NMSS

General Information

Assigned To: NMSS
Office Due Date: 3/28/2011 11:00 PM
Other Assignees:
OEDO Due Date: NONE
SECY Due Date: NONE

Subject: Referral Related to FOIA/PA Request 2011-0010A
Description: NRC Form 496A

CC Routing: NONE
ADAMS Accession Numbers - Incoming: NONE
Response/Package: NONE

Other Information

Cross Reference Number: NMSS201100104
Staff Initiated: NO
Related Task:
Recurring Item: NO
File Routing: EDATS
Agency Lesson Learned: NO
OEDO Monthly Report Item: NO

Process Information

Action Type: FOIA 2011-0010A
Priority: Medium
Sensitivity: Sensitive Related
Signature Level: No Signature Required
Urgency: NO
Approval Level: No Approval Required
OEDO Concurrence: NO
OCM Concurrence: NO
OCA Concurrence: NO
Office Instructions: HLWRS -- The subject request has been appealed for initial denial of record(s). A copy of the appeal, denial response (with bracketed records(s)) and initial request are attached. Please conduct another review of each appealed record and provide a new disclosure determination/recommendation or reaffirm the initial determination using the "Official Response" portion of NRC Form 496A by noon 03/25/2011; NMSS/HITAB (Rodgers) will provide final response from your reply for the NMSS OD signature to OIS by 03/28/2011.

Document Information

Originator Name: Barbara Culleen
Date of Incoming: 3/17/2011
Originating Organization: OIS
Document Received by NMSS Date: 3/17/2011
Addressee: Mary Rodgers
Date Response Requested by Originator: 3/28/2011
Incoming Task Received: Appeal

Display Ticket

Ticket Type	NMSS - FOIA	**Ticketing Organization**	NMSS
Ticket Number	NMSS201100104	**Ticket Contact**	Rodgers, Mary L
TAR	N	**Ticket Created On**	03/17/2011
ADAMS Number		**Ticket Due Date**	03/28/2011
FOIA Number	20110010A	**Ticket Extensions**	0
WITS Ticket Number		**Ticket Status**	
Description	REFERRAL RELATED TO FOIA/PA REQUEST 2011-0010A (EDATS: NMSS-2011-0046)		
Task Basis	NRC Form 496A		

Correspondence Originator	Correspondence To	Routing	Response Signatures	Response To
OIS (BCulleen)	NMSS	Fitch Haney Dorman Rodgers		OIS (BCulleen)

Special Instructions (Task 1):	HLWRS -- The subject request has been appealed for initial denial of record(s). A copy of the appeal, denial response (with bracketed records(s)) and initial request are attached. Please conduct another review of each appealed record and provide a new disclosure determination/recommendation or reaffirm the initial determination using the "Official Response" portion of NRC Form 496A by noon 03/25/2011; NMSS/HITAB (Rodgers) will provide final response from your reply for the NMSS OD signature to OIS by 03/28/2011.

Assign To	Contact	Report To	Status	Date Assigned	Date Due	Date Closed	No. Ext
NMSS / HITAB	Rodgers, Mary L	OIS		03/17/2011	03/28/2011	open	0
NMSS / DHLWRS	Mccartin, Timothy J	NMSS / HITAB		03/17/2011	03/25/2011	open	0

Ticket NMSS201100104 is open

[Printout]

Main Menu

From:	McGinty, Tim
To:	Leeds, Eric; Boger, Bruce; Grobe, Jack; Wittick, Brian; Nguyen, Quynh; Bahadur, Sher; Blount, Tom; Brown, Frederick; Cheok, Michael; Cunningham, Mark; Evans, Michele; Ferrell, Kimberly; Galloway, Melanie; Giitter, Joseph; Givvines, Mary; Hiland, Patrick; Holian, Brian; Howe, Allen; Lee, Samson; Lubinski, John; McGinty, Tim; Nelson, Robert; Quay, Theodore; Ruland, William; Skeen, David; Thomas, Brian; Westreich, Barry
Cc:	Bowman, Eric; Rosenberg, Stacey
Subject:	FW: ~~Official Use Only~~ - Security Related Information - B5b History Memo
Date:	Thursday, March 17, 2011 11:22:51 AM
Attachments:	B5b History Memo Enclosure part 1.pdf B5b History Memo Enclosure part 2.pdf B5b History Memo.pdf

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FYI - As discussed at this mornings ET/LT meeting, attached is the "History of B.5.b" memo to the Commission.

It is ~~OUO - Security Related Information~~

Tim

From: Bowman, Eric
Sent: Thursday, March 17, 2011 10:58 AM
To: McGinty, Tim
Cc: Westreich, Barry
Subject: B5b History Memo

Tim,

As we discussed, these are the files for the B5b History Document.

V/R Eric

Eric E. Bowman
Sr. Project Manager
Generic Communications & Power Uprate Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
301-415-2963
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The Evolution of Mitigating Measures For Large Fire and Explosions

A Chronological History
From
September 11, 2001
Through
October 7, 2009

ENCLOSURE

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I. Abstract

After the terrorist attacks on September 11, 2001, the NRC promptly assessed the potential for deliberate attacks using large commercial aircraft on NRC-licensed facilities, the physical effects of such a strike on the facility, and the potential for such strikes to result in large, rapid releases of radioactive material to the environment. Using state-of-the-art structural and fire analyses, NRC staff and national experts from several U.S. Department of Energy laboratories conducted these assessments. The NRC also consulted with other US Government agencies and industry representatives. For the commercial power reactor facilities analyzed, the results confirmed that the likelihood is low that such strikes could both damage the reactor core and release radioactivity that could affect public health and safety. The results of the studies gave the NRC information which it incorporated into Security Advisories and implementing guidance issued to power reactor licensees to further reduce this risk and enhance safety and security.

On February 25, 2002, the NRC issued EA-02-026, "Order for Interim Safeguards and Security Compensatory Measures" (referred to here as the ICM Order), which modified current operating licenses for commercial power reactor facilities to require compliance with specified interim safeguards and security compensatory measures. Section B.5.b of the ICM Order requires licensees to adopt mitigation strategies using readily available resources to maintain or restore core cooling, containment, and spent fuel pool cooling capabilities to cope with the loss of large areas of the facility due to large fires and explosions from any cause, including beyond-design-basis aircraft impacts. Following issuance of the ICM Order, the staff met and corresponded with industry representatives on many occasions in an attempt to clarify the implementing details for the mitigating strategies required by Section B.5.b of the ICM Order. During the period from October 2002 to October 2003 the staff performed an inspection at each site to evaluate the adequacy of the mitigating strategies licensees had implemented to address the ICM Order. Based on the results of these inspections the staff determined that additional guidance should be developed. The staff worked with industry representatives to develop this additional guidance which included insights gained through NRC ongoing research and lessons learned from security assessments. On February 25, 2005, the staff forwarded a letter to all power reactor licensees, which provided guidance for implementing Section B.5.b of the ICM Order. This guidance was further refined in a series of interactions with industry representatives. By August 2007, all operating power reactor licensees had implemented the guidance via commitments and in new conditions of their operating licenses. By December 2008, the NRC staff had completed licensing reviews and onsite inspections to verify implementation of the licensee actions.

On March 27, 2009, the NRC amended Title 10 of the *Code of Federal Regulations* (10 CFR) Part 50, "Domestic Licensing of Production and Utilization Facilities," Part 52, "Licenses, Certifications, and Approvals for Nuclear Power Plants," and Part 73, "Physical Protection of Plants and Materials," with new requirements published in the *Federal Register* dated March 27, 2009 (74 FR 13926). The purpose of this amendment was to make security requirements similar to those previously imposed by the Commission Orders issued after the terrorist attacks of September 11, 2001, generically applicable to operating reactors and new reactors. The staff has implemented guidance for inspection of these requirements on a routine basis at operating reactors. The staff has also prepared interim staff guidance for review of combined license applications for new reactors.

II. Summary

This summary provides a high level narrative of the significant activities since September 11, 2001. It discusses these significant activities (i.e., ongoing research, Phases 1, 2 and 3) as separate topics; not necessarily in chronological order. It was developed by the staff based on their review of the information contained in the Chronological History and their recollection of the events since September 11, 2001.

The Chronological History provides additional details and accession numbers for those documents reviewed by the staff that are available in ADAMS. It also provides a description of documents reviewed by the staff which are not available in ADAMS, either because they exist as paper copies only or because they contain Safeguards or Classified information. For additional information on any of the documents described in this summary, the reader should use the event or document date[1] to find the entry in the Chronological History.

Further details for each of the items in the Chronological History can be found in the Consolidated Timeline Documents database available on the NRC Knowledge Center's B.5.b Inspections Community of Practice. This database includes fields for document date, ADAMS Accession Number (if available), Document/Event Type, Cognizant Office, Subject, and Comments. It also provides hyperlinks to those documents that are available in ADAMS. For many documents, the comment field provides a summary of the contents of the actual document. For Safeguards or Classified documents, the comment field provides a summary of the document that could be handled as Official Use Only—Security-Related Information.

1. The U.S. Nuclear Regulatory Commission Issued Security Advisories Following the September 11, 2001, Terrorist Attacks.

1.1. In response to the September 11, 2001, terrorist attacks and intelligence information subsequently obtained, the U.S. Nuclear Regulatory Commission (NRC) took certain actions to ensure that the agency was able to monitor the situation in a heightened threat environment and advise licensees on measures they should take to respond to any events that might occur. These actions included issuing Security Advisories[2] (SAs) to strengthen licensees' capabilities and readiness to respond to a potential attack on a nuclear facility. Also, shortly after September 11, 2001, the Office of Nuclear Regulatory Research (RES) began to assess potential mitigation strategies for aircraft attacks on nuclear power plants. For example, on September 12, 2001, the NRC Incident Response Center's (IRC's) Executive Team (ET), under the direction of Chairman Meserve, assigned RES the task of assessing the design bases of the existing power plants and identifying any resources that would lend insight into the capacity of the existing facilities to withstand an insult of the nature of the September 11, 2001, attacks. RES briefed the IRC ET on its initial conclusions on September 19, 2001, and these conclusions were used to inform the press release "NRC Reacts to Terrorist Attacks," issued on September 21, 2001

[1] Most dates in the summary include the month, day and year. However, some documents, such as reports issued by the national laboratories and NEI, are identified by month and year only.
[2] Security advisories (SAs) convey urgent, usually time-sensitive information regarding security issues or vulnerabilities that have a direct effect on common defense and security. Advisories will not convey or imply new requirements, nor will they transmit new interpretations of regulations or staff positions. However, SAs may request that licensees consider voluntarily taking an action, providing information, or identifying their intention to implement specific corrective actions that can be accomplished over a short term and designed to address the security-related issue or vulnerability.

(http://www.nrc.gov/reading-rm/ doc-collections/news/2001/01-112.html). During the week of September 24, 2001, Chairman Meserve directed funding to RES to initiate a program using designated national laboratories to examine the effects of a deliberate attack using a large commercial aircraft on a nuclear power plant. The initial elements of this program were to be completed during the period, October 1, 2001 through January 2002.

1.2. On September 28, 2001, Chairman Meserve directed the staff to undertake a thorough review of the NRC's safeguards and security programs which focused on identifying any necessary adjustments to the response capabilities of the licensees and included an evaluation of the vulnerability of NRC-licensed facilities to attacks that exceed the design-basis threat (DBT). In this review, the staff was to comprehensively examine the basic assumptions underlying the NRC's current safeguards and security programs and produce a "scoping paper" containing a proposed course of action. Subsequently, on October 9, 2001, the Executive Director for Operations established a Response to Terrorist Acts Task Force, comprising senior managers from selected offices and a region to develop the required scoping paper.

1.3. On October 6, 2001, based on the insights derived to that date from the terrorist attacks, the NRC issued an SA for power reactors, decommissioning reactors, Category 1 fuel facilities, and gaseous diffusion plants. The NRC used this advisory to communicate certain prompt actions and additional actions to enhance safety and safeguards at NRC-licensed facilities by strengthening licensee capability to respond to a terrorist attack. The SA stated that the prompt actions could be readily implemented and had significant value in addressing threats at or beyond the DBT. The additional actions also had significant value in addressing such threats but might require more deliberation on the part of the NRC and licensees. One of the prompt actions at power reactors was the need to develop plans for plant actions to be taken in the event of a beyond-design-basis terrorist attack that was imminent or occurring. Among the additional actions for power reactors were licensee consideration of access to additional or alternative resources, which entailed the identification and use of existing or readily available resources and the need for coordination with additional local fire departments. Also specified were additional actions[3] for spent fuel pools (SFPs) at operating reactors.

2. The NRC Issued the Interim Safeguards and Security Compensatory Measures Order on February 25, 2002.

2.1. On November 28, 2001, the staff submitted SECY-01-0215, "Scoping Paper for a Comprehensive Review of the NRC's Safeguards and Security Programs in Light of the Terrorist Attacks on September 11, 2001," to the Commission. This scoping paper specified proposed actions in response to terrorist acts and included an evaluation of the need for interim compensatory measures (ICMs), which was based on a preliminary assessment of the threat environment using both consequence- and vulnerability-informed insights. The paper included a classified preliminary assessment of the then-current threat environment facing NRC licensees. The scoping paper noted that the assessment of the threat environment focused on the

[3] The additional actions for SFPs specified in this SA were the only "mitigation strategy" required by any of the SAs issued by the NRC since September 11, 2001. Subsequently, the February 25, 2002, ICM Order required operating reactors to address mitigating strategies for the reactor, the containment, and the SFPs.

overall scope and capability of potential adversaries rather than a specific DBT. Additionally, the scoping paper stated that the staff intended to identify appropriate ICMs and included a recommendation that the Commission approve the staff' approach to the development of proposed ICMs.

2.2. On December 7, 2001, Commissioner Diaz issued COMNJD-01-0002, which stated that the scoping paper provided by the staff in SECY-01-0215 addressed a myriad of issues and recommended, in part, that the Commission address the need to promptly establish ICMs in a high-threat environment as identified in SECY-01-0215. Attachment 1 to COMNJD-01-0002 described an approach that includes obtaining licensee commitments to threat readiness measures, as specified in the October 6, 2001, SA. In "Staff Requirements Memorandum: COMNJD-01-0002—Physical Security Measures," dated February 8, 2002, the Commission approved the implementation of ICMs for physical security in a high-threat environment as delineated in a Safeguards Information attachment applicable to power reactors and selected fuel facilities. This staff requirements memorandum (SRM) required the staff to draft Orders to licensees as outlined in the Safeguards Information attachment and stated that the staff should review the October 6, 2001, SA to determine which of the specific actions should be incorporated in the Orders. While the attachment to the SRM was oriented to the DBT, the Commission's direction to the staff to consider the use of SA actions resulted in the ICMs that addressed threats at or beyond the DBT.

2.3. On February 25, 2002, the NRC issued the Interim Safeguards and Security Compensatory Measures Order (known as the ICM Order) to each nuclear power plant licensee. It stated that the ICMs listed in Attachment 2 to the Order were needed to provide assurance that licensees of nuclear power reactors would take prudent measures to achieve a consistent level of protection to address the threat environment. Section B.5.b of the ICM Order required licensees to adopt mitigation strategies using readily available resources to maintain or restore core cooling, containment, and spent fuel pool cooling capabilities to cope with the loss of large areas of the facility due to large fires and explosions from any cause, including beyond-design-basis aircraft impacts, but did not specify the measures to be taken. Licensees were required to complete implementation of the ICMs no later than August 31, 2002. By including Section B.5.b in the February 25, 2002, ICM Order, the NRC demonstrated a pragmatic approach that recognized (1) that in an elevated threat environment, there is significant value in addressing threats at or beyond the DBT and (2) that Section B.5.b has broad applicability because it is not event specific and involves the development of mitigation strategies for both the reactors and SFPs in responding to circumstances associated with loss of large areas of the plant due to large fires and explosions.

2.4. Following issuance of the ICM Order, the staff met and corresponded frequently with industry representatives in an attempt to clarify the implementing details for the mitigating strategies required by Section B.5.b. Section B.5.b indicated that "readily available" strategies were required. However, the term "readily available" and the extent of assumed damage in the event of a successful attack were not defined. This led to differing interpretations by the staff and industry as to which strategies should be developed to address the requirements of the ICM Order. Industry representatives interpreted the definition more narrowly than did the staff, which resulted in a smaller number of required strategies. This continuing disagreement resulted in the NRC's position that additional actions by licensees were necessary to

meet the requirements of the ICM Order, after August 31, 2002, which was the original implementation date for the ICM Order.

2.5. From October 2002 to October 2003, the staff performed an inspection at each site using Temporary Instruction (TI) 2515/148, "Inspection of Nuclear Reactor Safeguards Interim Compensatory Measures." Section IV.E.2 of this TI, "Mitigative Measures," provided guidance to inspectors on the intent of these requirements and factors to consider in determining the adequacy of licensee actions. Although many licensees had met the expectations contained in the TI, the staff noted a wide spectrum of variability in the licensees' approach to implementation of the mitigative strategies developed to address section B.5.b of the ICM Order. Based on these findings, the staff concluded that additional guidance and clarification were needed.

2.6. In an August 25, 2004 SRM the Commission directed the staff to provide a program of reviews and inspections to implement mitigative measures required by Section B.5.b of the ICM Order no later than December 2004. The Commission also directed the staff to inform licensees that B.5.b was an ongoing requirement and that they were expected to take into account new information that might bear on the strategies and measures taken to meet B.5.b. As new insights from analysis of plant-specific vulnerabilities and mitigative strategies were developed, licensees could be required to adopt those strategies within the scope of B.5.b if they could be effectively implemented using existing or readily available resources.

2.7. In letters dated November 24, 2004, and January 14, 2005, the staff provided additional guidance to licensees including the definition approved by the Commission for the term "readily available equipment." The letter also stated that the staff would coordinate with the Nuclear Energy Institute (NEI) Security Working Group to develop additional guidance for implementing Section B.5.b mitigative measures. This additional guidance would include insights gained through the NRC ongoing research and lessons learned from security assessments. The NRC would develop detailed guidance separately for use in a forthcoming industry workshop.

2.8. The November 24, 2004, and January 14, 2005, letters also informed licensees of NRC plans to implement a two-phase approach to enhancing the mitigation measures required under Section B.5.b of the ICM Order. For Phase 1, the NRC expected licensees to use information from (1) existing programs and equipment and operational know-how, including maintaining capabilities currently in place, (2) industry best practices developed during the initial response by licensees, and (3) application of generic lessons learned from engineering analyses conducted over the last few years to develop and implement appropriate Section B.5.b. mitigation measures. For Phase 2, the NRC would oversee the industry's plant-specific analyses of potential impacts associated with the loss of large areas of the plant. The specific goals of Phase 2 were to (1) confirm the effectiveness of existing mitigation strategies and measures, (2) identify additional mitigation strategies or measures that use existing or readily available resources to further enhance the plant's effectiveness in maintaining core and SFP cooling and containment integrity despite the effects of large fires and explosions, and (3) identify potential practicable options for the use of generic, deployable, or other backup mitigation capabilities that exceed the NRC's requirements.

2.9. By the end of October 2004, the NRC staff had approved completely revised physical security plans for each commercial power reactor site in the country. The

operating license for each plant was revised to include a direct reference to these newly-approved security plans. Each of these plans included a section which described the licensees' commitments with respect to implementing the provisions of ICM B.5.b.

3. The NRC Changed the Two-Phase Approach for Implementing the February 25, 2002, ICM Order to a Three-Phase Approach.

3.1. In June 2005, the NRC changed the two-phase approach to implementing Section B.5.b of the ICM Order to a three-phase approach. Phase 1 would remain the same and consist of verification of compliance with specified interim safeguards and security compensatory measures (ICMs). Phase 2 would be changed to address assessment of SFPs only. A new Phase 3 would address assessment of the reactor and containment. This change allowed the staff to give priority to the assessment of SFPs before the reactor and containment.

3.2. This change was made in response to heightened public and congressional interest in the potential vulnerability of the SFPs. This heightened interest stemmed from the January 31, 2003, paper by Robert Alvarez, "Reducing the Hazards from Stored Spent Power-Reactor Fuel in the United States," published in *Science & Global Security*, Volume 11, No.1, Spring 2003. This paper prompted Congress to request that the National Academy of Sciences (NAS) study the issue. On July 28, 2004, the NAS issued the paper "Safety and Security of Commercial Spent Nuclear Fuel Storage," which was reviewed by Congress and the NRC. In a March 14, 2005, letter, NRC Chairman Diaz responded to Congress by stating that the NRC had already taken numerous actions to enhance the security of spent nuclear fuel and that it continued to evaluate power reactor security, including SFP security, in force-on-force exercises. Subsequent implementation of SFP mitigation strategies addressed the concerns identified during the Phase 2 assessments.

4. The NRC Issued February 25, 2005, Guidance for Implementing Section B.5.b of the ICM Order Dated February 25, 2002.

In a letter dated February 25, 2005, the NRC forwarded to power reactor licensees the final implementing guidance for Section B.5.b of the February 25, 2002, ICM Order (the Phase 1 Guidance Document). This guidance had been coordinated with the NEI Security Working Group and had been revised to address industry comments received at the workshops on January 14 and February 5, 2005. This guidance addressed (1) firefighting response strategies, (2) plant operations to mitigate fuel damage, and (3) actions to minimize releases. The guidance also addressed the specific expectations for mitigative measures that should be evaluated by each licensee for potential inclusion in its B.5.b mitigative strategies. The letter asked each licensee to provide a detailed response describing its site-specific plans and schedule to address the various considerations in the enclosed guidance by May 31, 2005, and in addition, to implement all of the planned mitigating strategies described in its response no later than August 31, 2005. Licensees were expected to identify and implement those strategies that were readily available at their facilities.

5. The NRC Performed Phase 1 Inspections (September – December 2005) to Verify Implementation of Section B.5.b of the February 25, 2002, ICM Order.

5.1. In June 2005, the NRC issued inspection procedure TI 2515/164, "Inspection of Nuclear Reactor Safeguards Interim Compensatory Measures—Section B.5.b of the February 25, 2002 ICM Order." During fall 2005, the NRC resident inspectors at each of the 65 operating nuclear power plant sites used this TI to assess the actions taken by licensees in response to the guidance document issued February 25, 2005. An internal NRC Management Assessment Panel reviewed the results of inspections and additional information obtained from licensees to ensure that the NRC was evaluating the licensees' implementation of the guidance in a consistent manner. In January 2006, inspection reports were issued that documented the results of these inspections and the conclusions of the NRC Management Assessment Panel. Findings that identified the need for licensees to further enhance their mitigation strategies and measures were identified as "unresolved items" in the inspection reports. The staff discussed these unresolved items with each licensee during the period from January through April 2006. Each licensee made commitments to the NRC to implement further mitigation strategies and measures to resolve the inspection findings.

5.2. From June to December 2006, NRC resident inspectors at each operating nuclear power plant performed an inspection using TI 2515/168, "Closeout Inspection of Nuclear Reactor Safeguards Interim Compensatory Measures—Section B.5.b of the February 25, 2002, Orders." This TI provided guidance on acceptable methods, along with staff acceptance criteria, for satisfying the B.5.b Phase 1 items. The inspectors used this guidance to confirm that licensees had implemented these commitments and closed the unresolved items from the TI 2515/164 inspections performed in fall 2005.

6. The NRC Performed Section B.5.b Phase 2 Assessments (June – December 2005) to Identify SFP Mitigation Strategies.

6.1 In September 2004 the NRC established the division of Nuclear Security Special Projects (NSSP) in the Office of the Executive Director for Operations (OEDO) and assigned John A. Grobe as its Director. NSSP was assigned responsibility for implementing a program of reviews and inspections to verify licensee implementation of mitigative measures required by Section B.5.b of the ICM Order. The NSSP staff conducted the Phase 2 independent assessments of SFPs at all operating reactors in response to SRM-M050421B, "Discussion of Security Issues," dated May 12, 2005. These assessments evaluated potential impacts on the ability to maintain SFP cooling from a range of threat-independent terrorist actions. The primary concern was that a terrorist action could breach the SFP, which could allow the cooling water level to lower below the spent fuel. This loss of cooling water could allow recently discharged fuel to overheat. Each assessment considered site-specific physical characteristics and capabilities. The NSSP teams relied on the respective site operating and engineering personnel for in depth plant knowledge. Multiple strategies for maintaining SFP cooling were identified for all sites except those that had been "screened out" during the assessment process.[4] These strategies included

[4] Strategies were not identified for several sites because the NRC assessments had determined that the SFP was not susceptible to being breached and drained of cooling water. The NRC made this determination based on site-specific physical characteristics of the SFP. These SFPs were considered "screened out" during subsequent TI 2515/171 inspections.

the use of alternative systems for refilling and spraying the SFP. The expected effectiveness of each strategy varied according to the circumstances affecting the site. The NSSP assessment teams further categorized the mitigation strategies as "readily available" or "beyond readily available" and further distinguished readily available strategies as voluntary or required. The teams completed all assessments

by December 16, 2005, and issued a site-specific report (SGI) documenting the assessment approach and results for each plant. In addition, an internal report on the results of the Phase 2 assessments for operating plants, entitled "Report on Spent Fuel Pool Mitigation Strategy Study (Phase 2)," was provided to the Commission on December 16, 2005.

6.2 In part because of the continuing disagreement between the NRC and industry over interpretation of the requirements of Section B.5.b of the ICM Order, and specifically whether Phase 2 and Phase 3 mitigation strategies were regulatory requirements, a panel of NRC senior executives referred to as the Mitigation Strategies Disposition Panel (MSDP) later reviewed all site-specific mitigation strategies. The panel's purpose was to ensure consistency and provide oversight of the results of the Phase 2 (and the later Phase 3) assessments. The MSDP reviewed the NSSP assessment teams' recommendation as to whether a mitigation strategy was "readily available" as stated in Section B.5.b of the ICM Order. A strategy was considered to be "readily available" if it utilized available equipment as defined in the Phase 1 guidance document. The MSDP made the final determination as to whether each readily available strategy was a reasonable and evident strategy within the Phase 1 guidance. If it was not within the Phase 1 guidance, it was considered a supplementary strategy. The site-specific assessment reports included the results of the MSDP deliberations.

6.3 After issuance of the site-specific reports, the NSSP staff conducted briefings with each operating reactor site's senior management to ensure that the reports were understood and to respond to questions. Concurrently, the NSSP staff presented an industrywide summary of the differing types and breadth of SFP mitigation strategies to all licensees. The letter transmitting each site-specific assessment report asked licensees to consider the required and voluntary strategies identified during the assessment and to respond within 60 days of the publication date of the industrywide summary. Licensees were asked to evaluate any personnel safety concerns, the overall feasibility of each required and voluntary strategy, and the safety/security interface of the strategy to ensure that there would not be unintended adverse impacts on the overall safety of the plant.

6.4 The NSSP staff also evaluated five decommissioning reactor SFPs and one fuel storage facility to determine whether additional mitigation strategies were warranted at these facilities. As a result of these evaluations, the NSSP staff concluded that no onsite or additional assessments were warranted to identify mitigation strategies beyond existing measures at these facilities. This finding was due principally to the extended decay times and resulting low levels of decay heat in the spent fuel. A separate internal report documented the evaluation of the five decommissioning reactor SFPs and one fuel storage facility.

6.5 In a January 24, 2006, letter, "Industry Proposal for Closure Process for B.5.b Phase 2," NEI proposed a generic set of SFP mitigating strategies including the use of an independently powered portable pump. This pump would not have been required by Section B.5.b of the ICM Order because it would not have been "readily

available." These strategies would provide a flow of 500 gallons per minute (gpm) of makeup water to the SFP from internal and external sources and a 200-gpm flow of cooling spray from external sources. Before this, the NRC assessments had identified a wide range of strategies that could be useful at some plants. The industry proposal selected three of these strategies that would be applicable to all plants, including acquisition of the portable pumps. This proposal for closing Phase 2 was subsequently included in the industry proposal for closing Phase 3 described in NEI 06-12, "B.5.b Phases 2 & 3 Submittal Guideline," dated December 2006.

7. The NRC and Industry Performed B.5.b Phase 3 Assessments (October 2005 – June 2006) to Identify Reactor and Containment Mitigation Strategies.

7.1. The Phase 3 assessments were intended to identify additional effective mitigation strategies for cooling the reactor core and maintaining containment integrity. The process described in NEI 05-07, "Industry Mitigation Strategy Study Guideline," Revision 0, issued September 2005, focused on identifying additional effective mitigation strategies to further enhance the plant's capabilities in maintaining core cooling and containment integrity. Plant staff performed the assessments with the assistance of an NEI contractor. The NSSP staff observed the assessments and evaluated each licensee's site-specific mitigation strategy to determine whether the licensee's assessment was well implemented.

7.2. After completion of the site assessment, the NRC MSDP reviewed each of the strategies to ensure consistency in the determination of whether a mitigation strategy identified during the Phase 3 assessments is readily available or beyond readily available, and if readily available, whether it is within the Phase 1 guidelines. Phase 3 assessments were completed in June 2006. An appropriate spectrum of candidate enhancement strategies was identified at each site for preventing and delaying core damage and containment failure and reducing radiological releases.

7.3. On May 15, 2006, NEI provided the NRC with a proposal for closing Phase 3, which included implementing a set of generic mitigation strategies. This proposal was similar to the approach proposed by NEI for the Phase 2 SFP strategies. Based on the results of the NRC's independent Phase 3 assessments, the staff provided NEI with additional considerations to be addressed as part of the generic reactor core and containment mitigation strategies. NEI evaluated the additional considerations and presented the NRC with an updated proposal for closing Phase 3. This proposal involved the use of a license condition to describe in each license the types of strategies required by Section B.5.b of the February 25, 2002, ICM Order, including items deferred from Phase 1 to Phases 2 and 3. The NRC agreed in principle with the NEI proposal but made acceptance for individual facilities conditional upon NRC staff evaluation of site-specific implementation and documentation of the proposed Phase 2 and 3 mitigation strategies.

8. NRC Approved the Industry Plan for Implementing B.5.b Phase 2 and 3 Mitigation Strategies.

8.1. In September 2006, after completing the Phase 2 and 3 assessments, NSSP was disestablished and responsibility for Section B.5.b implementation and verification (e.g., license amendments and inspections) was transferred to Special Projects Branch (PSPB), Division of Policy and Rulemaking (DPR) in the Office of Nuclear Reactor Regulation (NRR). Key members of the NSSP staff were reassigned to PSPB to ensure continuity.

8.2. In October 2006, the staff requested that licensees provide site-specific details for implementing Phase 2 and 3 requirements. NEI prepared NEI 06-12 to assist licensees in preparing their site-specific responses. NEI 06-12 also provided a methodology for developing the industry mitigation strategies and an approach for evaluating other strategies to determine if they are viable. The staff reviewed and provided comments on this document. In December 2006, NEI issued Revision 2 to NEI 06-12, which incorporated changes to address NRC staff comments. The staff concluded that this version of NEI 06-12 provided an acceptable method for addressing B.5.b Phases 2 and 3. This document contained standard boiling-water reactor (BWR) and pressurized-water reactor (PWR) mitigation strategies with criteria for implementation on a site-specific basis. Subsequently, all licensees made submittals in which they committed to implementing the standard list of mitigation strategies for their type of reactor. By standardizing the strategies in exchange for the industry agreement to acquire portable independently powered pumping capabilities, the issue of whether a strategy was readily available was rendered moot.

8.3. In January 2007, the staff prepared a guideline that provided criteria for reviewing the adequacy of the site-specific implementing plans for B.5.b Phase 2 and 3 mitigation strategies and for developing inputs for site-specific safety evaluation reports (SERs). The staff received submittals from all licensees by February 28, 2007. However, only three of these submittals provided all the information required by the staff to complete the review. The staff requested additional information from the remaining licensees. All licensees provided the requested information in supplemental submittals. Most licensees committed to completing implementation by December 31, 2007. These submittals also included any items that had been deferred from Phase 1.

8.4. The staff's review of the submittals confirmed the licensees' intention to incorporate the already identified mitigation strategies into their severe accident mitigation guidelines (SAMGs) or extensive damage mitigation guidelines (EDMGs) or to append the strategies to other appropriate site procedures. During subsequent inspections, the NRC staff would verify that these strategies had been incorporated into SAMGs, EDMGs, or appropriate site procedures. The staff also verified that all licensees had agreed to implement the SFP, reactor, and containment strategies described in NEI 06-12. An exception was that licensees were not required to implement the SFP strategies at sites where the SFPs had been "screened out" during the Phase 2 assessments.

8.5. The staff concluded that all licensees had identified a range of strategies that, if implemented as described, would be adequate to meet the B.5.b Phase 2 and 3 requirements. Because many strategies were conceptual in nature and had not been implemented before the submittals, the evaluation of the feasibility and effectiveness of the strategies was deferred to future onsite inspections. The staff also reviewed any

items that had been deferred from Phase 1 and concluded that they had been adequately addressed. The staff documented these reviews in SERs. Appendix A to the SERs addressed all Phase 1 strategies, including those that had been closed during the Phase 1 reviews. Appendix B to the SER addressed the Phase 2 and Phase 3 requirements and those Phase 1 strategies that had been deferred to Phases 2 and 3. The staff also imposed conforming license amendments documenting the license conditions for these requirements. The staff completed these actions by the end of August 2007.

9. The NRC Completed Onsite Inspections (December 2007 – December 2008) of Phase 2 and 3 Mitigation Strategies and Identified Two Significant Issues Requiring Resolution.

9.1. In an April 30, 2009, memorandum, the staff informed the Commission that it had performed an inspection at each power reactor site using TI 2515/171, "Verification of Site Specific Implementation of B.5.b Phase 2 and 3 Mitigation Strategies." The first inspection was performed in December 2007, and the last was completed in December 2008. The inspections were performed by a team which typically included a region based team leader, the resident inspector and a representative from the NRR Special Projects Branch with previous B.5.b experience. The inspection process identified a range of issues, which were documented in the inspection report for each site. Most significant issues (those determined to be more than minor) were identified as findings or violations. Licensees addressed these inspection findings and violations by taking appropriate corrective actions. These corrective actions included performing additional engineering calculations, establishing additional strategies, updating and correcting procedures, providing training to plant staff, and rerouting flow paths to reduce system pressure losses. The inspection process also identified two significant issues that required resolution.

9.2. The first significant issue requiring resolution was that new information became available in the PWR Owners' Group technical report WCAP 16800, "Insights for Operating Steam Generators to Minimize RCS Inventory Loss Following a Loss of All AC and DC Power," dated November 2007, that could affect the viability of three of the PWR steam generator mitigation strategies described in NEI 06-12. The staff became aware of the WCAP in mid 2007, after approximately half of the inspections had been completed. The WCAP was provided to members of the inspection team by one of the licensees during the conduct of TI 2515/171. The staff is currently performing a technical review of the report and has included appropriate inspection guidance in the Reactor Oversight Process (ROP).

9.3. The second significant issue requiring resolution was the need for guidance to address other lessons learned during the TI 2515/171 inspections, including the need to clarify expectations for procedures, training, engineering calculations, and maintenance of B.5.b equipment (e.g., allowed out-of-service time). The inspection guidance in the ROP now includes these lessons learned.

10. The NRC Informed the Commission of Plans for Integrating B.5.b-Related Inspections into the ROP.

10.1. In an August 5, 2008, memorandum, the staff informed the Commission of its plan and schedule for integrating new areas of B.5.b-related inspection into the ROP. The staff reported that it had initiated a Community of Practice using the NRC

Knowledge Center Web site as a tool to collect results and lessons learned from these inspections. The lessons learned would be used to integrate the new areas related to Section B.5.b into the ROP.

10.2. In addition, the staff formed a B.5.b Integration Team, composed of experienced representatives from the Office of Nuclear Reactor Regulation, in coordination with the regions and the Office of Nuclear Security and Incident Response, to assess and evaluate the aspects of Phases 1, 2, and 3 of Section B.5.b activities that should be integrated into routine regulatory activities, including the ROP. The team formulated an

10.3. integration plan for issues related to Section B.5.b. Both the integration plan and the lessons learned on the confirmatory inspections were used to update the inspection program and integrate the new areas related to Section B.5.b into the ROP for use in ROP Year 11, which begins January 1, 2010.

11. The Commission Approved the Final Rule on Power Reactor Security Requirements for Operating and New Reactors.

11.1. On March 27, 2009, the NRC amended Title 10 of the *Code of Federal Regulations* (10 CFR) Part 50, "Domestic Licensing of Production and Utilization Facilities," Part 52, "Licenses, Certifications, and Approvals," and Part 73, "Physical Protection of Plants and Materials," with new requirements (74 FR 13926, March 27, 2009). One of the sections of this rulemaking, 10 CFR 50.54(hh)(2), makes the ICM Order Section B.5.b requirement to address loss of large areas of the plant due to explosions or fires from a beyond-design-basis event generically applicable to all nuclear power plants licensed under either 10 CFR Part 50 or 10 CFR Part 52. Also added by this rulemaking,10 CFR 52.80(d) requires submittal of information on how an applicant for a combined license for a nuclear power facility will meet these requirements. In addition, the final rule added several new requirements developed as a result of insights gained from implementation of the security Orders, reviews of site security plans, and implementation of the enhanced baseline inspection program. The final rule also updated the NRC's security regulatory framework for the licensing of new nuclear power plants. Compliance with the final rule was required by March 31, 2010, for licensees currently licensed to operate under 10 CFR Part 50.

12. The NRC Issued Draft Interim Staff Guidance for Implementing Power Reactor Security Requirements for New Reactors.

12.1. On May 1, 2009, NEI submitted Revision 3 of NEI 06-12 to the NRC for its review and endorsement. This revision provides guidance on the application of NEI 06-12 to new nuclear power plants to ensure consistency in meeting the requirements of 10 CFR 50.54(hh)(2) and 10 CFR 52.80(d). The NRC staff reviewed the revision and commented on it to NEI in e-mails dated June 8 and June 29, 2009 and at a meeting with NEI on June 23, 2009. NEI addressed these comments and resubmitted Revision 3 to the NRC for review on July 17, 2009. The submittal letter also stated that NEI was aware that the NRC had a list of lessons learned resulting from the B.5.b inspections conducted at operating plants. NEI stated that if the disposition of these lessons learned resulted in changes to NEI 06-12, Revision 3, the combined license applicants would review these changes for applicability.

12.2. On October 7, 2009, the staff forwarded Draft Interim Staff Guidance DC/COL-ISG-016, "Compliance With 10 CFR 50.54(hh)(2) and 10 CFR 52.80(d)," to NEI and requested comments within 30 days. The interim staff guidance (ISG) endorses the guidelines of NEI 06-12, Revision 3, as an acceptable approach to meeting the requirements of 10 CFR 50.54(hh)(2) and 10 CFR 52.80(d), with certain exceptions based on the lessons learned outlined above. New applicants for, and new holders of, an operating license may use other methods to satisfy these requirements, which the staff would review for acceptability on a case-by-case basis.

Attachment NRC_1.joboptions (13738 Bytes) cannot be converted to PDF format.

III. Chronological History

This chronological history provides the staff's response to Staff Requirements Memorandum (SRM)-M081006B, "Discussion of Security Issues," dated November 12, 2008, which directed the staff to provide the Commission, in one document, with a discussion of the evolution of the implementation of security requirements with respect to mitigating measures for large fires or explosions. The history begins with the advisories and continues through the Phase 1, 2, and 3 actions taken to address the February 25, 2002, Interim Compensatory Measures (ICM) Order[1].

The chronological history describes actions taken by the U.S. Nuclear Regulatory Commission (NRC) and the industry to implement security requirements with respect to mitigating measures since September 11, 2001. The staff members who prepared this memorandum abstracted the description for each item discussed from the referenced documents. The staff members included representatives from the Offices of Nuclear Regulatory Research (RES), Nuclear Security and Incident Response (NSIR), Nuclear Reactor Regulation (NRR), and Nuclear Security Special Projects (NSSP) who participated in various phases of the evolution of the security requirements. The descriptions provided below represent the staff members' interpretations of the information in the documents and their recollection of the events. For some of the items below, the staff members added a "note" to provide amplifying information beyond that contained in the referenced document.

Further details for each of the items in the chronological history can be found in the Consolidated Timeline Documents database available on the NRC Knowledge Center's B.5.b Inspections Community of Practice. This database provides hyperlinks to those documents that are available in the Agencywide Documents Access and Management System (ADAMS)[2]. For many documents, the staff used the comment field in the database to summarize the contents of the actual document. For Safeguards or Classified documents, the staff used the comment field to provide a summary of the document that could be handled as Official Use Only—Security-Related Information.

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[1] The February 25, 2002, Interim Compensatory Measures (ICM) Order was one order that was issued to all power reactor licensees. In this Chronology it is also called the "ICM Orders" when collectively referring to the ICM Orders issued to all licensees.

[2] The ADAMS Accession Numbers are included for those documents that were in ADAMS at the time the staff performed their reviews. Some documents described in this chronological history were not in ADAMS because they contain Safeguards or Classified information, or were available as paper files only. Additional notes are included indicating the reason, if known, why some of these documents were not in ADAMS (i.e., Safeguards, Confidential).

LIST OF ACRONYMS

ACRS	Advisory Committee on Reactor Safeguards
AFFF	Aqueous Film Forming Foam
ADAMS	Agencywide Documents Access and Management System
BMU	German Ministry for the Environment, Nature Conservation and Nuclear Safety
BNL	Brookhaven National Laboratory
BWR	Boiling Water Rector
CFR	Code of Federal Regulations
CFO	NRC Chief Financial Officer
CIA	Central Intelligence Agency
CNO	Chief Nuclear Officers
COLA	Combined Operating License Applicants
COP	NRC Knowledge Center, the B.5.b Community of Practice
CR	Condition Report
D-Note	Daily Note from EDO to Commissioner Assistants
DBT	Design Basis Threat
DEDO	Deputy Executive Director for Operations
DFI	Demand for Information
DHS	U.S. Department of Homeland Security
DGSNR	French Directorate for Nuclear Safety and Radiation Protection
DOE	U.S. Department of Energy
DOD	Department of Defense
DRP	Division of Reactor Projects
DTRA	Defense Threat Reduction Agency
ECCS	Emergency Core Cooling Systems
EDMG	Extensive Damage Mitigation Guidelines
EDO	Executive Director for Operations
EDF	Electricite de France
EPRI	Electric Power Research Institute
ERG	Office of Research Expert Review Group
ERO	Emergency Response Organization
ET	NRC Incident Response Center Executive Team
FBI	Federal Bureau of Investigation
FEMA	Federal Emergency Management Administration
GPM	Gallons per Minute
GRS	Gesellschaft für Reaktorsicherheit (German Regulatory Agency)
ICM Order	Interim Compensatory Measures Order
IMC	NRC Inspection Manual Chapter
IRC ET	Incident Response Center Executive Team
IRC RST	Incident Response Center Reactor Safety Team
ISG	Interim Staff Guidance
LANL	Los Alamos National Laboratory
LIPD	Loss of Internal Power Distribution
METI	Ministry of Economy, Trade and Industry of Japan
MSDP	Mitigation Strategy Disposition Panel

MOU	Memorandum of Understanding
NAS	National Academy of Sciences
NII	Nuclear Installations Inspectorate of the United Kingdom
NISA	Nuclear and Industrial Safety Agency of Japan
NEI	Nuclear Energy Institute
NMSS	Office of Nuclear Material Safety and Safeguards
NNSA	National Nuclear Security Administration
NORAD	North American Aerospace Defense Command
NPP	Nuclear Power Plants
NRC	Nuclear Regulatory Commission
NRP	National Response Plan
NRR	Office of Nuclear Reactor Regulation
NSI	National Security Information
NSIR	Office Nuclear Security and Incident Response
NSSP	Office of Nuclear Security Special Projects
NSWG	Nuclear Energy Institute Security Working Group
OGC	Office of the General Counsel
OHS	U.S. Office of Homeland Security
OIP	Office of International Programs
ORNL	Oak Ridge National Laboratory
PWR	Pressurized Water Reactor
RAI	Request for Additional Information
RES	NRC Office of Nuclear Regulatory Research
RFI	Request for Information
RIS	Regulatory Issue Summary
ROP	Reactor Oversight Process
RPV	Reactor Pressure Vessel
RST	Incident Response Center Reactor Safety Team
RTA	Response to Terrorist Acts Task Force
SA	Security Advisory
SAP	Special Access Program
SAMG	Severe Accident Management Guidelines
SE	Safety Evaluation
SER	Safety Evaluation Report
SDP	Significance Determination Process
SFP	Spent Fuel Pool
SGI	Safeguards Information
SLES	Safeguards Information Local Area Network and Electronic Safe
SNL	Sandia National Laboratory
SRI	Security Related Information
SRM	Staff Requirements Memorandum
SRP	Standard Review Plan
STUK	Finland Radiation and Nuclear Safety Authority
SWG	Nuclear Energy Institute Security Working Group
TI	NRC Temporary Instruction Inspection Procedure
TMI	Three Mile Island

VISAC	Visual Interactive Site Analysis Code
WITS	Work Item Tracking System
WMDOU	FBI Weapons of Mass Destruction Operations Unit

CHRONLOLOGICAL HISTORY

September 11, 2001
The NRC Activates the Incident Response Center.

Following the terrorist attacks of September 11, 2001, the NRC Incident Response Center (IRC) was activated and remained activated for a significant period of time.

September 12, 2001
The IRC Executive Team Assigns Research Tasks To Assess the Design Bases of Existing Plants.

The IRC Executive Team (ET) assigned RES the task of assessing the design bases of the existing nuclear power plants (NPPs) and identifying any resources that would provide insight into the capacity of the existing facilities to withstand an insult similar to the acts of September 11. RES found that most existing facilities had addressed the accidental aircraft impact through probabilistic assessments in accordance with NUREG-0800, "The Standard Review Plan," Section 3.5.1.6. Only Three Mile Island (TMI), Seabrook, and Limerick had design-basis aircraft; the largest of these was at TMI because of its proximity to the Harrisburg, PA, airport. Review of available research did not find a conclusive answer as to the ability of typical NPP structures to withstand the impacts of larger aircraft at the high speeds represented by the September 11 attacks (roughly an order of magnitude more energy than the TMI design-basis accident). The IRC ET was briefed on these conclusions on September 19, 2001, and the findings informed the press release "NRC Reacts to Terrorist Attacks," issued on September 21, 2001 (ADAMS Accession No. ML020100489).

September 24, 2001
The NRC Chairman Directed the Chief Financial Officer To Provide Funding to RES for Aircraft Impact Research.

During the week of September 24, 2001, the Chairman directed the Chief Financial Officer to provide funds to RES to initiate a program to examine the effects of a deliberate attack on an NPP using a large commercial aircraft. By October 1, 2001, a task order was in place with Sandia National Laboratories (SNL), with support from Los Alamos National Laboratory (LANL). The initial phase was established as a 4-month effort (October 1, 2001–January 31, 2002) to conduct scoping analyses and to develop plans for detailed analyses of selected representative plants and limited testing over 2 years.

September 25, 2001
The NRC Chairman Directed the Staff To Provide Short-Term Recommendations.

On the morning of September 25, 2001, the NRC IRC ET (under the direction of Chairman Meserve) requested that the staff develop short-term recommendations in response to the terrorist attacks of September 11, 2001. The recommendations to be implemented by the licensees would be in addition to the increased security at NPPs and other facilities called for in the NRC's September 11, 2001, Security Advisory (SA). At the end of the September 25, 2001, morning ET meeting, the Executive Director for Operations (EDO) asked the ET members and Reactor Safety Team (RST) Director to develop plans to be discussed with the Chairman at the planned 1 p.m. ET meeting. The RST Director offered to develop a proposal based on enhancing the severe accident management guideline (SAMG) program, discussed below, which had been in place at all operating reactors since 1998.

At the September 25, 2001, 1 p.m. meeting of the ET, the RST Director presented a proposal to enhance safety and security at operating plants by expanding the SAMG program in a manner more directly relevant to the types of challenges associated with a terrorist attack. The proposal was to formulate recommendations for near-term action and to present them to the ET within 4 days. The ET, again under the direction of Chairman Meserve, accepted the proposal and agreed that resources could be requested on a priority basis.

In response to the ET request, the IRC RST formed a task force by supplementing the team with additional staff from NRR, the Office of Nuclear Material Safety and Safeguards (NMSS), and RES. These staff members were selected for their expertise in severe accident management, fire protection, security, emergency preparedness, and project management. The task force consisted of the following:

Gary Holahan	(RST Director; Division Director, Systems Safety and Analysis, NRR)
Richard Barrett	(senior manager and probabilistic risk assessment (PRA) expert)
Robert Palla	(manager of the NRC SAMG program)
Glenn Kelly	(PRA expert)
Edward Connell	(fire protection expert)
Nathan Siu	(PRA and fire protection expert)
William Troskoski	(fuel facility expert)
John Boska	(senior reactor systems engineer and project manager)
Richard Croteau	(senior project manager)
Edwin Fox	(emergency preparedness expert)
Jesse Arildsen	(security)
Ronald Albert	(security)

The activities of the assembled task force proceeded in four steps, one step each day. The first day consisted of a brainstorming session to identify a broad range of possible external terrorist threats to NPPs for which enhanced protections could later be developed. The scope of the task force effort was specifically chosen to be broader than just aircraft impacts.

The task force spent its second day in a brainstorming session to devise a broad range of defensive and mitigation strategies against each of the previously identified threats. The third day was dedicated to a systematic evaluation of each potential strategy against four selected criteria: (1) practicality (can the recommendation be accomplished without substantial re-engineering of the facility), (2) near-term implementation ability (can the recommendation be implemented in days-to-weeks, not months-to-years), (3) freedom from unintended adverse safety consequences (can the recommendation be implemented without introducing new problems or weakening existing safety features of the facility), and (4) effectiveness against a broad range of potential terrorist attacks (can the recommendation enhance safety and security from a broad range of possible terrorist threats, as well as internal and external accidents). The task force recommended to the ET only those actions and strategies meeting all four criteria.

In parallel with these efforts, the IRC Safeguards Team focused on the actions necessary to thwart any post 9/11 attacks through increased security, awareness and reporting. These efforts included establishing NRC representation at the Strategic Information and Operations Center established by the Federal Bureau of Investigations (FBI) and at the Emergency Support Team of the Office of Homeland Security (OHS). The Safeguards Team also enhanced communications and interfaces with other members of the intelligence community, including the U.S. Departments of Defense (DOD), Justice (DOJ), and Energy (DOE). These extensive efforts are not discussed in depth in this document due to the limitation of its scope to mitigation measures for large fires and explosions.

The fourth day's effort consisted of integrating the recommendations into a single list, discussing the list with the IRC Safeguards Team, and presenting the list to the ET. The task force presented its recommendations to the ET on September 29, 2001. Chairman Meserve consulted with the other Commissioners over the next several days and returned a consensus list to the RST, with a few modifications. The list was incorporated into an SA and issued on October 6, 2001.

The task force made specific recommendations for spent fuel pools (SFPs), in addition to those developed to address reactor safety and security and also made recommendations for short-term enhancements at fuel facilities.

A report designated as Safeguards Information (SGI) contains the details of these recommendations. The basic concept of calling for strategies similar to those employed to address severe accidents to mitigate the effects of the loss of large areas of the plant due to fires and explosions by using existing resources (materials and personal) was part of the task force recommendations and the October 6, 2001, SA.

While the recommendations were being developed, it was understood that they would be issued through an SA and not as formal requirements. Before the NRC issued the October 6, 2001, SA, approval was received for closed discussions with the Nuclear Energy Institute (NEI). NEI representatives M. Fertel and S. Floyd indicated that the industry supported the concept of enhanced safety and security through extension of the SAMG program. The SAMG program

itself is a voluntary industry initiative, which the staff and the industry agreed on following extensive development and discussions in the 1990s.

Note: While the October 6, 2001, SA formed a basis for Item B.5.b and some other parts of the February 25, 2002, ICM Order, it was not the sole basis for the ICM Order, nor was every item in the SA included in the ICM Order. Some SA items were not considered of sufficient importance to require an Order, and others had already accomplished their intended objectives. Several guidance development activities relating to implementation of the mitigation strategies were carried out during 2002 and later.

September 28, 2001
The NRC Established the Response to Terrorist Acts Task Force.

The NRC Chairman issued a memorandum to the EDO (ADAMS Accession No. ML012770045), which directed the staff to thoroughly review the NRC's safeguards and security programs and focus on identifying any necessary adjustments to the response capabilities of the NRC; licensees; and Federal, State, and local agencies. This review was to include a comprehensive examination of the basic assumptions underlying the NRC's current safeguards and security programs. The memorandum also directed the staff to provide a scoping paper containing a proposed course of action and specified that the effort should include an evaluation of the vulnerability of NRC-licensed facilities to attacks that exceed the design-basis threat (DBT).

In response to the Chairman's request, the EDO issued a memorandum on October 9, 2001, which established the Response to Terrorist Acts (RTA) Task Force, composed of senior managers from selected offices and a Deputy Regional Administrator to develop the scoping paper. The task force comprised a Core Group and a Support Group. The Core Group included the following representatives: M. Federline (NMSS), Chairperson; M. Springer (Office of Administration); J. Johnson (NRR); S. Burns (Office of the General Counsel (OGC)); R. Zimmerman (RES); and P. Gwynn (Region IV). A charter was developed for the RTA Task Force to describe the objectives and deliverables. One of the deliverables was the scoping paper to be delivered to the Commission on November 28, 2001.

October 6, 2001
The NRC Issued an SA Containing Mitigation Measures.

The NRC issued an SA for power reactors, decommissioning reactors, Category 1 fuel facilities, and gaseous diffusion plants. This SA communicated certain prompt actions and additional actions to enhance safety and security at NRC-licensed facilities in order to strengthen the licensees' capability to respond to a terrorist attack. Specifically, the SA included the consideration of access to additional or alternative resources and also provided additional actions for SFPs at operating reactors. The specific considerations of the SA reflected the development of types of mitigation measures that rely on readily available resources. These considerations also reflected the type of mitigation measure enhancements that would be addressed by the subsequent Phase 1, 2, and 3 efforts. The SA had two versions; one was

designated as "Limited Distribution—Need to Know, Not for Public Disclosure," and the second was an SGI version.

October 29, 2001
The NRC Provided a Memorandum to the Federal Bureau of Investigation.

The NRC provided a revised list of commercial reactor prioritization to the FBI. The prioritization was enhanced by factoring in the rated power level, which directly correlates to source term.

November 21, 2001
The NRC Received a Discussion Paper from the Homeland Security Council Deputies Committee.

The NRC received the Homeland Security Council Deputies Committee discussion paper on flight restrictions over nuclear facilities. The contents of the paper are classified as Secret National Security Information (NSI).

November 28, 2001
The Staff Provided the Scoping Paper on the Review of Safeguards and Security Programs.

In response to the Chairman's memorandum dated September 28, 2001, the staff provided the Commission with SECY-01-0215, "Scoping Paper for a Comprehensive Review of the NRC's Safeguards and Security Programs in Light of the Terrorist Attacks on September 11, 2001," requesting approval of a proposed course of action and proposed schedule for a comprehensive review of the NRC's safeguards and security program. As part of the proposed actions in response to terrorist acts, Task B, "Comprehensive Review and Implementation of Safeguards and Security Revisions for NRC-Licensed Facilities/Activities," evaluated the need for ICMs based on a preliminary assessment of the threat environment and utilized both consequence- and vulnerability-informed insights.

Included in the paper was Attachment 10 (Confidential), "Approach for Developing Interim Compensatory Measures Considering the Current Threat Environment." This attachment addressed NPPs and uranium conversion facilities. The scoping paper noted that the assessment of the threat environment in Attachment 10 focuses on the overall scope and capability of potential adversaries rather than focusing on a specific DBT for which the licensee alone must protect (then known by the term "Threat X"). The scoping paper stated that the staff intended to identify appropriate ICMs, including a recommendation that the Commission approve the staff's approach to the development of proposed ICMs for nuclear power reactors and uranium conversion facilities as provided in Attachment 10. At the time the scoping paper was written, the staff had anticipated providing the proposed ICMs to the Commission for approval by January 15, 2002, or sooner.

December 5, 2001
The RTA Task Force Briefed the Commission.

Representatives of the RTA Task Force (Margaret Federline (Chair), Michael Weber, and Glenn Tracy) briefed the Commission on the response to terrorist acts. The Commission had asked the task force to comprehensively examine the basic assumptions underlying current physical security and safeguards programs and develop a course of action, schedule, and preliminary issues list for Commission consideration. Part of the task force's assignment was to pay special attention to necessary adjustments to the response capabilities of the NRC, licensees, and Federal, State, and local agencies. The topics of discussion with the Commission included threats, strategies to address the threat environment, proposed interim measures, comparison of threats, an integrated course of action, and criteria used for interim measures. The briefing covered the plans and actions completed for intergovernmental coordination and stakeholder communications as follows:

- established presence at FBI Special Incident Operations Center: 9/11/01
- enhanced security at NRC facilities: 9/11/01
- began post-9/11 assessments of NPP and independent spent fuel storage installation vulnerabilities to terrorist attacks: 9/12/01
- advised Joint Chiefs of Staff on the limitations of nuclear facility security forces: 9/19/01
- advised Government agencies on possible nuclear plant vulnerabilities: 9/23/01
- issued letters to Governors concerning the use of State resources in the protection of nuclear facilities: 9/26/01
- initiated State-licensee dialogues for consideration of additional facility security measures: 9/26/01
- Commission directed staff to conduct top-to-bottom review of licensed activities: 9/28/01
- coordinated with the Federal Aviation Administration for flight advisories and restrictions over nuclear facilities: 9/30/01
- issued confirmatory action letters to decommissioning reactor licensees: 10/15/01
- shut down the NRC external Web site, vetted it for information that would be helpful to terrorists, and restored portions of the Web site: 10/17/01
- issued additional confirmatory action letters to decommissioning reactor licensees: 10/19/01

- submitted to the Commission COMSECY-01-0030, "Guidance to the Staff on Release of Information to the Public," which contained criteria for discretionary release of information to the public: 10/29/01

- provided onsite representative to OHS: 10/31/01

- conducted selected security audits of Category 2 fuel facilities: 11/16/01

- conducted audit instructions at power reactors and decommissioning reactors: 11/16/01

Many of the details of the briefing are classified as Secret NSI.

December 7, 2001
Commissioner Diaz Recommended Physical Security Measures.

Commissioner Diaz issued COMNJD-01-0002, which stated that the scoping paper provided by the staff in SECY-01-0215 addressed a myriad of issues and recommended, in part, that the Commission act to address the need to promptly establish ICMs in a high threat environment, as identified in SECY-01-0215. Attachment 1 to COMNJD-01-0002 suggested an approach to doing this, which included obtaining licensee commitments to threat readiness measures as specified in the October 6, 2001, SA. This memorandum is classified as Confidential.

December 7, 2001
SNL Prepared a Report on Assessment of Penetration Damage Caused by an Aircraft Crash.

SNL prepared a report for RES on the assessment of penetration damage caused by aircraft crashing into NPPs. The report focused on evaluating the local damage to structures caused by the impact of aircraft engines. The report is classified as Secret NSI.

December 7, 2001
SNL Prepared a Report on a Generic Approach and Basis for Overall Structural Response.

SNL prepared a report for RES on the generic approach and basis for the overall structural response of buildings to aircraft impacts. The report presented a summary of previous studies on this subject and SNL's plan for future work. The report is designated as SGI.

December 10, 2001
SNL Prepared a Report on the Preliminary Assessment of Vulnerability of the Calvert Cliffs NPP.

This SNL report for RES on the preliminary assessment of vulnerability of the Calvert Cliffs NPP included tables that identify important buildings at the plant and provided an assessment of the

vulnerability of each building to various aircraft threats, as well as a simplified assessment of the impacts of the loss of those buildings. The report is classified as Secret NSI.

December 12, 2001
SNL Prepared a Report on the Preliminary Assessment of Vulnerability of the Indian Point NPP.

SNL prepared a report for RES on the preliminary assessment of vulnerability of the Indian Point NPP, similar to that prepared for the Calvert Cliffs NPP. The report is classified as Secret NSI.

December 12, 2001
SNL Prepared a Report on a Method for Assessing the Consequences of Building Damage.

This SNL report for RES described the procedure that should be used to assess the potential for core damage and releases following the failure of each major structure. The report described general rules for assessing the potential accident initiators and the process for potential core damage during full-power operation and during cold shutdown and refueling. The report also discussed the method for assessing the consequences of potential radionuclide releases, factors affecting large releases, factors affecting early releases, and events occurring while the plant is at low power or shutdown. The report also discussed the simplified event trees for large, dry, and subatmospheric containments; ice condenser containments; boiling-water reactor (BWR) Mark I, II, and III containments; and SFP evaluations. The report is designated as SGI.

December 18, 2001
SNL Briefed Commissioner Greta Dicus on the Preliminary Plans and Assessments of the NPP Vulnerability Study.

SNL provided a Secret NSI briefing to Commissioner Greta Dicus on the NPP vulnerability study to identify potential vulnerabilities of U.S. NPPs to terrorist attacks and potentially effective means to reduce these vulnerabilities. The key issues addressed in the briefing were the main vulnerabilities of NPPs to terrorist attacks, prioritization of plants for prevention of events that may have public consequences, and measures to mitigate the consequences of an attack. The targets to be evaluated in the study included containments, SFPs, and other buildings. The threats considered would be commercial aircraft, general aviation aircraft, and external explosives. The approach would consist of a quick-look survey of all plants and an in-depth study of selected plants, would address uncertainties, and would perform mitigation studies. The work would involve SNL, LANL, Oak Ridge National Laboratory (ORNL), and supporting subcontractors. The expected products by January 2002 would be an update of operating reactor prioritization, vulnerability insights potentially supporting a threat advisory update, and a database containing threat and plant data. The expected products by summer 2002 would be identification of potential vulnerabilities of study plants, potential consequences of attacks, methods and tools for performing plant-specific analyses, and recommendations for reducing

vulnerabilities. The expected products by fall 2002 would be additional test and analysis results addressing key uncertainties, a documented process for performing plant-specific analyses, and an evaluation of the effectiveness of mitigation measures. Plans for this phase of the study called for the analysis of 20 plants. The preliminary findings of this phase of the study are classified as Secret NSI.

December 31, 2001
The U.S. Army Corps of Engineers Prepared a Report on a Structural Assessment of SFPs Attacked by Improvised Shaped Charges.

The Protective Design Center of the U.S. Army Corps of Engineers prepared a report on a structural assessment of SFPs attacked by improvised shaped charges. The report is designated as SGI.

January 14, 2002
RES Established an Expert Review Group.

RES Office Director Ashok Thadani established an expert review group (ERG) to oversee the ongoing vulnerability assessment being performed by RES staff and contractors. The charter of the ERG was to review and provide technical comments on the work products of this project to the Director, RES. The initial members of the ERG included Denwood Ross, Joe Murphy, Nilesh Chokshi, Robert Pierson, and Gary Holahan.

January 16, 2002
RES Briefed the Commission on the Preliminary Results of the Assessment of NPP Vulnerabilities.

RES provided a Secret-level briefing to the Commission on the preliminary results of the assessment of NPP vulnerabilities study performed at SNL. The briefing described the analyses performed, summarized key insights and uncertainties, and described remaining preliminary phase activities. The preliminary study used the best available tools and readily available information on the plants. The study provided preliminary information to address the following issues:

- key vulnerabilities of NPPs to terrorist attacks
- adjusting the prioritization of plants with respect to aircraft attacks
- mitigation of the consequences of an attack

The scope of assessment included operating commercial NPP containments, SFPs, and other buildings and SFPs in decommissioning sites. The threats considered were commercial aircraft and general aviation aircraft with and without explosive payload. The key elements of the assessment were definition of threat; hittability of the target; building response in terms of perforation, global response, overpressure effects, and fire considerations; potential for core damage; containment or SFP confinement failure; radiological consequences; and prioritization.

The study analyzed 20 operating NPP sites. The results of the study are classified as Secret NSI.

January 23, 2002
SNL Reported on the Proposed Analysis and Testing Plan of the Integrated Vulnerability Analysis Program.

SNL prepared a report for RES on the proposed analysis and testing plan for the NRC Integrated Vulnerability Analysis Program. The report proposed using the Sandia Sled Track Test Facility to investigate the deformation response of a building complex impacted by an aircraft engine, investigate the impulse load of an aircraft, and determine the effective diameter of an aircraft engine used in the perforation analysis. The report is designated as SGI.

February 2002
The NRC Met with NEI to Discuss Pending ICM Order.

During February 2002, the NRC staff held a number of meetings with the NEI Security Working Group (SWG) to discuss the draft industry guidance document developed to facilitate licensee implementation and achieve a common understanding of acceptable methods for compliance with the ICM Order being developed by the NRC staff. At the February 21, 2002, meeting with the NEI SWG, the NRC stated that the soon-to-be-issued Order would supplement existing regulatory requirements and the October 6, 2001, SA.

February 8, 2002
The Commission Directed the Staff To Develop ICM Order.

The Commission issued SRM-COMNJD-01-002, which approved the implementation of compensatory measures for physical security in a high threat environment as delineated in an SGI attachment. This SRM directed the staff to develop a draft ICM Order to licensees directing the implementation of ICMs as outlined in the attachment and stated, in part, that the staff should review the October 6, 2001, SA and determine which of the specific actions should be incorporated into the Orders. It further directed that the ICM Order should not refer to the preliminary results of the staff's threat assessment (Threat X) and that the staff should refrain from use of the term "Threat X."

February 8, 2002
The NRC Prepared a White Paper on Vulnerability to Aircraft Strikes.

The NRC forwarded a white paper to the OHS on NPP vulnerability to aircraft strikes. The white paper stated that the NRC was assessing the potential vulnerability of the U.S. commercial NPPs to terrorist attacks involving aircraft. The work was initiated to help inform decision makers within the NRC and in other Federal agencies on the potential for intentional aircraft strikes to cause nuclear fuel damage and subsequent release of radioactive material to the environment. When completed, the results of the work were used to assess attack prevention,

mitigation, and consequence management strategies. The results presented in the paper are classified as Secret NSI.

February 11, 2002
SNL Briefed the National Academy of Sciences on the NPP Vulnerability Study.

SNL briefed the National Academy of Sciences (NAS) on the status of the NPP vulnerability study being performed by SNL to support RES. The purpose of the study was to identify potential vulnerabilities of U.S. NPPs to terrorist attacks and potential effective means to reduce these vulnerabilities. The assessment would address the following key questions:

- What are the key vulnerabilities of NPPs to terrorist attacks?
- How can plants be prioritized for prevention of events that may have public consequences?
- What can be done to mitigate the consequences of an attack?

The briefing indicated that the first phase, a quick-look survey of all plants, had been completed. SNL was now considering the next phase, an in-depth study of selected plants. Future work would address uncertainties and develop mitigation options. Each phase would be supported by as much analysis and testing as possible, and the work would involve SNL, LANL, ORNL, and supporting subcontractors. The briefing is classified as Secret NSI.

February 25, 2002
The NRC Issued an ICM Order to All Power Reactor Licensees.

The NRC issued an immediately effective Order to all power reactor licensees, which required compliance with specified interim safeguards and security compensatory measures (ADAMS Accession No. ML020510637, typical letter for issuance of the Order; ML020490069, Arkansas Nuclear One letter; ML020510635, Order; ML020520654, Attachment 1—Addressee List). Attachment 2 to the Order listed the ICMs (this attachment is SGI). The ICM Order was needed to ensure that licensees would take prudent actions to address security requirements in the present generalized high-level threat environment. Licensees were required to provide their schedule for complying with the ICM Order by March 18, 2002. They were required to immediately start implementation of the ICMs listed in Attachment 2 and were to complete implementation no later than August 31, 2002. Section B.5.b of the ICM Order required the development of specific guidance and strategies to maintain core cooling, containment, and SFP cooling capabilities using existing or readily available resources (equipment and personnel) that could be effectively implemented under the circumstances associated with loss of large areas of the plant due to explosions or fire.

February 27, 2002
The NRC Met with NEI and the U.S. Department of Energy to Discuss the Airplane Strike White Paper.

The NRC staff met with representatives of NEI and the U.S. Department of Energy (DOE) to discuss the white paper that the NRC had forwarded to OHS on February 8, 2002. The topics of discussion during the meeting were the plant prioritization list, mitigative processes, the OHS response to the white paper, control of large commercial aircraft flying close to the ground, fire in buildings, and the classes of aircraft considered.

February 27, 2002
The NRC Met with NEI to Discuss the Industry Guidance Document for ICM Order.

As described in meeting summary (ADAMS Accession No. ML020590037) the NRC staff met with the NEI SWG to discuss the draft NEI guidance for implementing safeguards related to the NRC's ICM Order. On February 28, 2002, the NRC staff held a telephone conference with NEI staff to provide additional comments on the NEI draft implementation guidance document.

February 28, 2002
NEI Submitted the Revised Industry Guidance Document for ICM Order.

NEI submitted a letter to the NRC (ADAMS Accession No. ML020640122) that enclosed its guidelines for industry and NRC use in assessing and responding to the February 25, 2002, ICM Order. The enclosure to the letter was titled "Implementation for Interim Safeguards & Security Compensatory Measures for the Order dated February 25, 2002" and was designated as SGI. The stated purpose of the guidance document was to achieve a common understanding between the industry and the NRC regarding the objectives of, and methods for complying with, each ICM. The guidance document contained information related to mitigating measures required by Section B.5.b of the Order.

March 2002
The NRC and NEI Discussed the Revised Industry Guidance Document for ICM Order.

On March 1 and March 4, 2002, the NRC staff spoke by telephone with representatives of the NEI SWG to discuss the NEI guidance document submitted to the Commission on February 28, 2002.

As described in meeting summary (ADAMS Accession No. ML020660327), on March 7, 2002 the NRC met with the NEI SWG to discuss issues related to the NRC's ICM Order and the development by NEI of its guidance document. The NRC and the NEI SWG discussed this topic further during a telephone conference call on March 8, 2002.

March 6, 2002
SNL Reported on the Mitigation of NPP Damage Scenarios.

SNL prepared a report for RES on issues and approaches to mitigating the potential consequences of the impact of a large aircraft crashing into an operating commercial NPP. The elements of a mitigation strategy addressed were vulnerability characterization, mitigation strategy, and mitigation implementation. The report stated that mitigation strategies should be driven by a thorough understanding of the perceived vulnerabilities to the postulated threat. Mitigation strategies discussed include short-term and long-term strategies, such as threat reduction/aircraft interdiction, emergency response management, human performance, source term releases, releases from the SFP, jet fuel control, structural mitigation strategies, and system-based mitigation such as prevention and system protection, in plant emergency response, post event mitigation, and fire mitigation. The report is designated as SGI.

March 11, 2002
The NRC Agreed That the Revised Industry Guidance Document for ICM Order Is Acceptable.

On March 8, 2002, NEI transmitted a letter to the NRC (ADAMS Accession No. ML020700235), which provided formal guidelines for industry and NRC use in assessing and responding to the ICM Order. Subsequently, on March 11, 2002, the Director, NRR, issued a letter (ML020590363) to NEI, which documented the recent history involving the issuance of the February 25, 2002, Order and the development by the NEI SWG of a guidance document. The letter stated that the NRC staff agreed that the NEI guidance dated March 8, 2002, provides an acceptable method for licensee implementation of the ICMs.

Note: Subsequently, the staff provided additional comments on the industry guidance document, which NEI incorporated into Revision 1. On July 26, 2002, the NRC issued a letter to NEI (ADAMS Accession No. ML022120206), which stated that the industry guidance document provides an acceptable method for licensee implementation of the ICMs.

March 14, 2002
The NRC Received the First Responses to the ICM Order.

On March 14, 2002, the NRC began receiving responses to the ICM Order of February 25, 2002. Subsequently, the NRC received responses, and in some cases supplemental responses, from all licensees subject to the Order. These responses are all designated as SGI.

March 22, 2002
RES Staff Addressed the ERG Report.

RES staff provided a memorandum to the RES Office Director, which addressed comments in the draft report prepared by the ERG. The memorandum discussed uncertainty analysis, structural analysis, fire analysis, consequence modeling, and cooperation with the industry. The memorandum is designated as Official Use Only (OUO).

March 26, 2002
The NRC Met with a Delegation from the French Regulatory Authorities.

RES staff met with representatives from the French Directorate for Nuclear Safety and Radiation Protection and Institute for Radiation Protection and Nuclear Safety. They discussed the results of the preliminary studies performed by the U.S. and French to assess the potential vulnerability of NPPs to aircraft attacks. The summary of the meeting notes is classified as Secret NSI.

April 7, 2002
The NRC Established the Office of Nuclear Security and Incident Response (NSIR)

The NRC established the Office of Nuclear Security and Incident Response to consolidate and streamline selected NRC security, safeguards, and incident response responsibilities and resources. Prior to this, the assignment of security responsibilities had been determined by the type of facility requiring protection. For example, NMSS had been responsible for the security programs for protection of fuel cycle facilities, materials, transportation, disposal and certain waste-storage facilities, along with other regulatory activities relating to those facilities. Another organization, NRR, has been responsible for nuclear power plants and non-power reactors, decommissioning facilities, and certain spent fuel storage facilities. This reorganization was the result of the conclusion that a centralized security organization is a more effective and efficient way of organizing security activities. It was announced to the NRC staff in Yellow Announcement YA-02-0026 (ADAMS Accession No. ML020980494) and released to the press on April 5, 2002 (ADAMS Accession No. ML021050555).

April 8, 2002
The NRC and NEI Met To Discuss Additional NRC Comments on the Revised Industry Guidance for ICM Order.

The NRC staff again met with NEI to discuss the March 8, 2002, revision of the industry guidance document developed to facilitate licensee implementation of the February 25, 2002, ICM Order. The NRC staff provided additional comments to NEI. NEI submitted revised versions of the industry guidance document on May 14, 2002, and May 29, 2002, to address additional rounds of comments. On July 24, 2002, NEI submitted Revision 1 of the industry guidance document to the NRC for review. On July 26, 2002, the NRC issued a letter to NEI (ADAMS Accession No. ML022120206), which stated that the industry guidance document provides an acceptable method for licensee implementation of the ICMs.

April 30, 2002
The NRC Met with Japanese Regulatory Authorities.

The NRC met with the Nuclear and Industrial Safety Agency and the Ministry of Economy, Trade, and Industry of Japan in a Secret NSI meeting. The Japanese discussed the measures to guard nuclear facilities; physical protection measures for nuclear source material, nuclear fuel, and reactors; regulations for the DBT; reactor scram in the event of an attack; and the legal system for military emergency bills in the event of an attack. In the meeting, the Japanese also presented the current status of the Security Policy on Nuclear Facility in Japan, an examination of vulnerability of nuclear facilities, a preliminary evaluation of the impacts of fire caused by an aircraft crash into an NPP, a preliminary evaluation of the impacts of ground-based attack, and the evaluation of the impact of airplane attack on reactor containment facilities.

May 24, 2002
RES Reported on Phase 1 of the Integrated Vulnerability Assessment.

RES completed the report on the "Integrated Vulnerability Assessment, Phase I, Approach and Results." This report consisted of the initial assessment of the vulnerability of all U.S. operating NPPs to aircraft impact. The report included database description, threat definition, hittability analysis, perforation analysis, global structural analysis, overpressure analysis, fire analysis, and systems and consequences analysis. The report is classified as Secret NSI.

June 5, 2002
The NRC Met with Representatives from Germany.

The NRC met with German representatives from Gesellschaft für Reaktorsicherheit and the German Federal Ministry for the Environment, Nature Conservation, and Nuclear Safety to discuss NRC and German vulnerability assessments of NPPs to deliberate aircraft crashes.

June 11, 2002
Industry Provides Generic Guidance for Section B.5.b of the ICM Order.

NEI provided an industry-developed paper, titled "Generic Guidance for Addressing ICM B.5.b of the February 25, 2002 NRC Order on Nuclear Power Plant Security," dated June 11, 2002 (marked as Sensitive Information—Secure When not in Use—Not for Public Disclosure) to provide additional guidance on an implementation approach for addressing Section B.5.b of the Order. The paper stated that the use of this guidance is optional, and other approaches to addressing Section B.5.b may also be used.

July 1, 2002
SNL Reported on the Integrated Vulnerability Analysis Program Project Plan.

This SNL report for RES on the project plan for the NRC's Vulnerability Analysis Program summarized different computational tools and their application for the structural analysis as part of the Vulnerability Analysis Program. The report is designated as SGI.

July 9, 2002
The NRC Met with the Central Intelligence Agency.

The NRC met with the Central Intelligence Agency (CIA) staff at NRC Headquarters. The NRC staff requested this meeting to gain a better understanding of the analyses sponsored by the CIA for assessing the vulnerabilities of NPPs to general aviation aircraft attacks. The discussions included descriptions of the analyses performed and the analysis tools used and available to support such analyses. The summary meeting notes are classified as Secret NSI.

July 22, 2002
The NRC Received a Report on Countering Nuclear and Radiological Terrorism.

The NRC received the report "Countering Nuclear and Radiological Terrorism" prepared by NAS for the National Research Council. The report addresses three categories of threats:

(1) attacks involving stolen state-owned nuclear weapons or weapons components, modified as necessary to permit terrorist use

(2) attacks involving improvised nuclear devices fabricated from stolen or diverted special nuclear material

(3) attacks on nuclear reactors or spent nuclear fuel or attacks involving radiological devices

The report is classified as Secret—Restricted Data.

July 24, 2002
SNL and LANL Briefed the Commission on the NPP Vulnerability Study.

SNL and LANL provided the Commission with a Secret NSI briefing on the NPP vulnerability study to identify potential vulnerabilities of U.S. NPPs to terrorist attacks and potentially effective means to reduce these vulnerabilities.

The briefing discussed progress made in each of the technical areas of structural, fire, systems, and source term/consequences analyses, preliminary mitigation opportunities, test plans, and next steps. The key issues discussed were hittability of the target, potential of building failure, potential of core damage, potential for containment or SFP confinement failure, radiological consequences, and mitigation options. The preliminary phase took a quick look at all the U.S. NPPs and identified potential vulnerabilities at all sites. The preliminary phase contained significant assumptions and potential conservatisms. The next phase would use more realistic and validated analyses. The assessment would include explosives calculations and sensitivity studies for wall panels, containment structural response calculations, fire modeling, and source term and consequence analyses. The study would develop practical analysis tools and provide additional insights using two sites to provide reference information. The results of the study are classified as Secret NSI.

July 26, 2002
The NRC Approved Revision 1 of the Industry Guidance Document for ICM Order.

The NRC issued a letter to NEI (ADAMS Accession No. ML022120206), which documented the staff's determination that Revision 1 to the industry guideline for assessing and responding to the safeguards and security ICMs (sometimes referred to as the industry guidance document for ICM Orders), provided an acceptable method for licensee implementation of the February 25, 2002, ICM Order.

August 19, 2002
The NRC Issued a Threat Advisory and Protective Measures System for Power Reactors.

The NRC issued Regulatory Issue Summary (RIS) 2002-12A, "Power Reactors NRC Threat Advisory and Protective Measures System" (ADAMS Accession No. ML022540613). This RIS provided specific lists of prompt actions and additional actions for licensees to consider in order to enhance their capability to respond to terrorist attacks. Enclosure 2 to the RIS licensee presented protective measures, including the periodic review of specific guidance and strategies involving mitigation measures using the same wording as that of Section B.5.b of the February 25, 2002, Order. Enclosure 2 to the RIS is SGI.

August 28, 2002
The Staff Issued a Memorandum to the Commission on Consequence Modeling, Briefing Materials, and Recommendations.

The staff issued a memorandum to the Commission regarding consequence modeling, briefing materials, and recommendations for which consequence models should be updated with an estimate of the associated costs. The memorandum is classified as Confidential.

August 28, 2002
The NRC Issued Temporary Instruction 2515/148 for Inspection of ICM Order.

NRR issued Temporary Instruction (TI) 2515/148, "Inspection of Nuclear Reactor Safeguards Interim Compensatory Measures." The office issued TI 2515/148, Revision 1, on September 13, 2002, and Revision 2 on March 19, 2003. Section IV.E.2 of this TI, "Mitigative Measures," provided guidance to inspectors on the intent of these requirements and factors to consider in determining the adequacy of licensee actions.

September 3, 2002
RES Provided Background Information on Aircraft Vulnerabilities.

RES issued a memorandum to the EDO providing background information on the status of the NRC aircraft vulnerability studies. The attachment to the memorandum was classified as Secret NSI.

September 30, 2002
ORNL Reported on the Graphical Expert System for Analyzing Nuclear Facility Vulnerability.

ORNL published the report prepared for RES on the graphical expert system for analyzing nuclear facility vulnerability. ORNL worked with the Defense Threat Reduction Agency and the NRC to develop a novel graphical expert system, the Visual Interactive Site Analysis Code (VISAC), which can estimate the damage that would be required to defeat operations at a nuclear facility and the potential seriousness of the collateral consequences of an attack. The report is classified as Secret NSI.

October 2002
The NRC Began Inspecting Implementation of the ICM Order.

From October 2002 to October 2003, at each site, the NRC staff performed an inspection using TI 2515/148, discussed above. During these inspections, the staff identified a large variation in the scope and depth of the mitigative strategies developed by licensees to address Section B.5.b of the ICM Order. On the basis of the inspection results, the staff concluded that additional guidance and clarification were needed.

November 12, 2002
LANL Reported on Mitigation Strategies for NPP Vulnerability.

LANL prepared a report for RES on mitigation strategies for NPP vulnerability. The report presented mitigation strategies based on the results of pilot studies of Peach Bottom and Surry. The report discussed generic and plant-specific mitigation studies. Some of the strategies discussed were based on insights gained from previous PRA studies. The report is classified as Secret NSI.

January 14–15, 2003
The NRC Met with Experts from Germany.

The NRC met with German experts to discuss NRC and German vulnerability assessments of NPPs to deliberate aircraft crashes.

January 2003
The NRC Received German Studies of Terrorist Aircraft Crashes on German NPPs.

The NRC received the German report "Expert Studies Related to Scenarios of Terrorist Aircraft Crashes on German Nuclear Power Plants." The report was written in German and was translated into English by the U.S. Department of State. The report is classified as Confidential NSI.

February 24, 2003
RES Issued a Memorandum on Preliminary Vulnerability Assessment Results.

In a memorandum issued to NSIR, RES provided insights and preliminary results from analyses of SFP events performed as part of ongoing work in the integrated vulnerability assessment. The purpose of these analyses was to address the fully and partially drained pool configurations for an operating reactor and address comparisons with the generic study performed in NUREG-1738, "Technical Study of Spent Fuel Pool Accident Risk at Decommissioning Nuclear Power Plants," issued February 2001. The attachment to the memorandum is designated as SGI.

February 2003
The NRC Received the NEI Report on NPP Structures' Resistance to Aircraft Crash Impact.

The NRC received the NEI report "Resistance of NPP Structures Housing Nuclear Fuel to Aircraft Crash Impact." NEI designated the report as SGI.

March 14, 2003
The NRC Received the NEI Report on Consequences of a Terrorist Land Assault Attack at an NPP.

The NRC received the NEI report "Risk Characterization of the Potential Consequences of an Armed Terrorist Ground Attack on a U.S. NPP." NEI designated the report as SGI.

March 2003
The NRC Received a Swiss Report on Intentional Aircraft Crash.

The NRC received the Swiss report "Position of the Swiss Federal Nuclear Safety Inspectorate Regarding the Safety of Swiss Nuclear Power Plants in the Event of an Intentional Aircraft Crash." The report was written in German, with an English translation provided by the Swiss Government to the NRC. The version of the report provided to the NRC was unclassified; however, the NRC handled it as Confidential NSI.

April 9, 2003
The Expert Review Group Reported on SFP Vulnerability Analyses.

ERG submitted to the RES Office Director, a report providing insights and preliminary results from analyses of SFP events performed as part of the ongoing work in the integrated vulnerability assessment. The paper summarized the insights of the ongoing work to date, especially in the area of SFP analyses. The report is designated as SGI.

April 21, 2003
RES Received Comments from the Author of the Alvarez Paper.

RES received a letter (ADAMS Accession No. ML031130327) from Robert Alvarez, Senior Scholar, Institute for Policy Studies, Washington D.C. in response to a March 27, 2003, briefing by RES of the Commission. At that briefing, RES stated that it had recently completed an integral analysis of an SFP accident scenario. In general, the analyses showed a significant departure from the previous generic studies cited in the media as representative of what could happen should a terrorist attack an SFP. The new analysis used a more representative scenario and best estimate assumptions. The results indicated that severe fuel damage would be limited to a small fraction of the fuel in the pool. The total effect was a much smaller release and corresponding reduction in the offsite consequences. The Commission directed RES to prepare a critique of the paper by Robert Alvarez, et al., "Reducing the Hazards from Stored Spent Power-Reactor Fuel in the United States," dated January 31, 2003, published in *Science & Global Security*, Volume 11, No.1, Spring 2003, (referred to here as the Alvarez paper). The April 21, 2003, letter requested that the NRC publish the analyses on which RES based its critique of the Alvarez report. The letter also enclosed the final version of the Alvarez report.

Note: The Alvarez paper drew the interest of Congress, which asked NAS to study the issue. Eventually, NAS issued a report that was reviewed by Congress and the NRC. Heightened

interest in the vulnerability of the SFPs led to the NRC giving priority to SFP inspection (in Phase 2 assessments) over reactor and containment inspection (Phase 3 Assessments).

July 7, 2003
RES Updated the Plan for Development of Mitigation Strategies.

RES issued a memorandum to NSIR providing the June 2003 update on the RES plan for risk-informed assessments of postulated attacks on NPPs to support development of effective and efficient mitigation strategies for potential vulnerabilities. The plan discussed methods, data, and tools for homeland security assessments; technical assessments of NPP vulnerabilities; technical support to NSIR with respect to NRC and other Federal agency decision making; and program management.

July 9, 2003
RES Briefed the Advisory Committee on Reactor Safeguards on SFP Studies.

RES provided a briefing to the Advisory Committee on Reactor Safeguards (ACRS) on SFP studies as part of the NRC vulnerability project. The briefing discussed the SFP analysis background including geometry and plant-specific inputs, results of SFP computational fluid dynamics analysis, results from the MELCOR separate effects model and whole pool model, and modeling issues and uncertainties. The briefing material is OUO—Security-Related Information.

July 14, 2003
RES Prepared a White Paper on the Aircraft Hittability Method.

RES prepared a white paper on the "Aircraft Hittability Method." The paper discussed how the method was used to assess hittability by considering the aircraft maneuverability, speed, and angle of approach; target size; and the presence of obstacles (i.e., natural terrain, buildings, towers, power lines). A related white paper referenced in the RES paper under "Further Reading" discussed how the hittability analysis fits into the overall assessment process. This white paper is classified as Secret NSI.

July 18, 2003
ACRS Issued a Letter to Chairman Diaz on the Security of Nuclear Facilities.

This ACRS letter to Chairman Diaz discussed the Committee's conclusions and recommendations based on its review of the status of the NRC staff's work on the vulnerability of NPPs to aircraft attack during the July 9–11, 2003, ACRS meeting. The letter is classified as Secret NSI.

July 2003
RES Prepared a White Paper on Methods for Assessing the Effects of Aircraft Impacts on NPP Structures.

The RES white paper presented an assessment of physical effects of aircraft attacks on NPPs, including structural and fire effects. The white paper is designated as OUO.

August 28, 2003
The NRC Briefed Under Secretary Frank Libutti of the U.S. Department of Homeland Security.

On August 28, 2003, the NRC briefed Under Secretary Frank Libutti of the U.S. Department of Homeland Security (DHS) on NRC vulnerability assessments of nuclear facilities for aircraft impacts, mitigation strategies, integrated response plan, and a proposed memorandum of understanding. Some of the briefing material is classified as Secret NSI.

September 2, 2003
The NRC Received a Letter from the Aircraft Owners and Pilots Association.

The NRC received a letter from the Aircraft Owners and Pilots Association concerning the association's assessment of the effects of general aviation aircraft on NPPs and the actions taken by the general aviation industry subsequent to the events of September 11, 2001.

September 11, 2003
The EDO Issued a Memorandum on the Security of Nuclear Facilities.

The EDO issued a memorandum to the ACRS on the security of nuclear facilities. The memorandum provided staff comments on the ACRS conclusions and recommendations discussed in its letter of July 18, 2003. The memorandum is designated as OUO.

September 23, 2003
SNL Prepared a Draft Report on Ballistic Limit Calculations of SFP Panels.

SNL prepared a draft report on ballistic limit calculations of SFP panels using the SAMPALL Code. The ballistic limit is the threshold impact speed resulting in a zero exit speed after perforating the object. The report is classified as Secret NSI.

September 2003
RES Prepared a White Paper on the Effects of Small Aircraft Attacks on NPP Structures.

This RES white paper presented results of a scoping-level analysis of the potential physical effects of small aircraft attacks on NPP structures. The analysis addressed a range of aircrafts comparable in size to a Learjet 35A and smaller. The white paper is classified as Confidential NSI.

September 2003
RES Prepared a White Paper on the Effects of Aircraft Impacts on NPP Structures.

This RES white paper presented an assessment of the physical effects, including structural and fire effects, of aircraft attacks on NPPs. The white paper is classified as Secret NSI.

October 27, 2003
ACRS Issued a Letter to Chairman Diaz on the Security of SFPs.

This ACRS letter discussed the Committee's conclusions and recommendations based on its review, during the September 10–13, 2003, ACRS meeting with the NRC staff and NEI, of the status of the NRC staff's work on the vulnerability of NPPs to aircraft attack. The letter is designated as OUO.

October 2003
RES Prepared a White Paper on Evaluating Aircraft Attacks on NPPs.

RES prepared a white paper on accident progression and source term and consequence analysis methodology for evaluating aircraft attacks on NPPs. The white paper is designated as OUO.

November 24, 2003
ACRS Issued a Letter to Chairman Diaz on the Security of SFPs.

This ACRS letter discussed the Committee's conclusions and recommendations based on its review of the status of the NRC staff's work on an approach for risk-informed decision making using results of vulnerability assessments and mitigation strategies. ACRS conducted this review during its November 5–7, 2003, meeting. The letter is designated as OUO.

November 2003
The ERG Reported on Its Review of the "Two-Plant Vulnerability Study."

The ERG provided its report to the Director, RES, on the review of the "Two-Plant Vulnerability Study." The report provided general and detailed comments on the draft vulnerability assessment report for Peach Bottom and Surry prepared in October 2003. The ERG report is classified as Secret NSI.

December 12, 2003
The EDO Issued a Memorandum to the ACRS on the Security of SFPs.

The EDO issued a memorandum to the ACRS on the security of nuclear facilities and SFP vulnerabilities. The memorandum contained staff comments on the specific recommendations of the ACRS made in its letter of October 27, 2003. The memorandum is designated as OUO.

December 15, 2003
ACRS Issued a Letter to the Chairman on the Security of Nuclear Facilities.

ACRS sent a letter to Chairman Diaz on the security of nuclear facilities. The letter discussed the ACRS conclusions and recommendations based on its review of the status of the NRC staff's work on the vulnerability of NPPs to aircraft attack. ACRS conducted this review during its December 3–5, 2003, meeting. The letter is classified as Secret NSI.

December 29, 2003
The Staff Responded to Questions from a Commission Briefing.

The staff issued a memorandum responding to Commission questions posed during the November 20, 2003, closed Commission briefing as part of the semiannual threat environment review. In the memorandum, the staff responded to questions about the list of facilities to which DOE applies its comparable threat for radiological sabotage and the relationship between the DOE DBT and adversary capabilities document. The staff also provided a copy of briefing slides from NORTHCOM. The memorandum is classified as Secret NSI.

December 2003
The NRC Performed Verification Inspections of Mitigative Measures.

During December 2003, the NRC staff performed TI 2515/155 "Mitigative Measures Verification Inspections" to verify mitigative measures for a BWR-related system at some sites. The details of this assessment are SGI.

December 2003
SNL Reported on Threat Definition and Hittability.

SNL prepared a report on "Aircraft Impact Threat Definition and Hittability." The report is classified as Secret NSI.

December 2003
SNL Reported on the Vulnerability of NPPs to Aircraft Attack.

SNL prepared the report "Vulnerability of NPPs to Aircraft Attack: An Assessment of Two Plants—Systems Analysis Details (Peach Bottom and Surry)." The report is classified as Secret NSI.

January 20, 2004
The Staff Responded to the Commission SRM on Mitigation Strategies for Possible NPP Vulnerabilities to Aircraft Impacts.

The staff issued SECY-04-0005 in response to the Commission SRM dated January 6, 2004. The SECY transmitted draft contractor working documents on potential mitigation strategies of NPP vulnerabilities to impacts from large commercial aircraft and the staff's planned steps for interacting with the nuclear industry. The SECY is classified as Secret NSI.

February 4, 2004
The NRC Briefed the Assistant to the Vice President for Homeland Security on Protection of NRC-Regulated Facilities.

The NRC briefed Carol Kuntz, Assistant to the Vice President for Homeland Security, on the protection of NRC-regulated facilities. The briefing included a discussion of NRC-regulated facilities and activities, interagency activities, results for pressurized-water reactor (PWR) and BWR plant vulnerability assessments, mitigation strategies, vulnerability analyses of SFPs and storage casks, Orders issued to enhance security at NPPs, and a summary of the status of actions. The briefing is classified as Secret NSI.

February 25, 2004
The Commission Briefed Industry Chief Nuclear Officers on Aircraft Vulnerability.

A Secret-level meeting requested by the Commission was conducted with licensees' chief nuclear officers (CNOs).

February 25, 2004
The Staff Briefed the Commission on NPP Vulnerabilities to Aircraft Attack and Mitigation Strategies.

The staff briefed the Commission on the NRC study of NPP vulnerabilities to aircraft attack and mitigation strategies. The briefing included a summary of the study, NRC results including additional details for BWR and PWR reactors, effective mitigation measures, and next steps. The briefing is classified as Secret NSI.

February 26–27, 2004
The Staff Met with Representatives from the United Kingdom on Potential Vulnerabilities to Aircraft Crashes.

The NRC staff met with representatives of the Nuclear Installations Inspectorate (NII) of the United Kingdom to exchange updates concerning the latest U.S. and British analyses of the potential vulnerabilities associated with airplane crashes involving nuclear facilities. The staff presented the meeting summary in a memorandum to the Commission on July 23, 2004.

March 3, 2004
The Commission Issued an SRM on BWR Mark I and II Containment Issues.

The Commission issued the SRM M040121A, "Discussion of Security Issues" based on the meeting held March 2, 2004. The SRM approved the staff engagement with the NEI and the licensees of BWR Mark I and II containments. The Commission also directed the staff to obtain a better understanding of BWR Mark I and II licensees' responses to Section B.5.b, define a process for Commission approval for procedural changes, and inform the Commission of licensees' responses to B.5.b. The memorandum is classified as Secret NSI.

March 15, 2004
The NRC Staff Briefed the White House Staff on the Protection of NRC-Regulated Facilities.

The briefing included a discussion of NRC-regulated facilities and activities, interagency activities, results for PWR and BWR plant vulnerability assessments, mitigation strategies, vulnerability analyses of SFPs and storage casks, Orders issued to enhance security at NPPs, and a summary of the status of actions. The briefing is classified as Secret NSI.

March 17, 2004
The NRC Updated NUREG/CR-6190 To Reflect the Revised DBT.

The NRC staff, on the behalf of the U.S. Army Corps of Engineers, published an update of NUREG/CR-6190, Revision 1, "Protection against Malevolent Use of Vehicles at Nuclear Power Plants—Vehicle Barrier System Siting Guidance for Blast Protection," issued December 1994, to reflect the revised DBT. The report is designated as SGI.

March 31, 2004
The NRC Briefed Congressmen Barton and Dingell on the Protection of NRC-Regulated Facilities.

The briefing included a discussion of NRC-regulated facilities and activities, integrated response planning, current airborne threat findings for power reactors, results for PWR and BWR plant vulnerability assessments, mitigation strategies, vulnerability analyses of SFPs and storage casks, Orders issued to enhance security at NPPs, and a summary of the status of actions. The briefing is classified as Secret NSI.

April 1, 2004
SNL Reported on the Vulnerability of SFPs Subjected to an Aircraft Attack.

SNL prepared a draft report on the vulnerability of SFPs subjected to an aircraft attack for Browns Ferry and Peach Bottom. The report is classified as Secret NSI.

April 1, 2004
The NRC Briefed the Deputy Staff Director for the Senate Committee on Environment and Public Works on the Protection of NRC-Regulated Facilities.

The NRC briefed Martin Hall, Deputy Staff Director for the Senate Committee on Environment and Public Works, on the protection of NRC-regulated facilities. The briefing included a discussion of NRC-regulated facilities and activities, integrated response planning, current airborne threat findings for power reactors, results for PWR and BWR plant vulnerability assessments, mitigation strategies, vulnerability analyses of SFPs and storage casks, Orders issued to enhance security at NPPs, and summary of the status of actions. The briefing is classified as Secret NSI.

April 5, 2004
SNL Reported on Considerations for an Aircraft Attack on a PWR Ice Condenser Containment.

SNL prepared the "Preliminary Report on Considerations for an Aircraft Attack on a PWR Ice Condenser Containment" for the Sequoyah NPP. The report is classified as Secret NSI.

April 6, 2004
NAS Letter Requested Information for the NAS Study "Safety and Security of Commercial Spent Nuclear Fuel Storage."

NAS sent a letter to Chairman Diaz requesting that classified information be provided for the NAS study "Safety and Security of Commercial Spent Nuclear Fuel Storage." The attachment to the letter included specific questions about the vulnerability analyses of spent fuel storage facilities.

April 6, 2004
The NRC Briefed the Deputy Secretary of Energy on the Protection of NRC-Regulated Facilities.

The NRC briefing for Deputy Secretary of Energy Kyle McSlarrow included a discussion of NRC-regulated facilities and activities, integrated response planning, current airborne threat findings for power reactors, results for PWR and BWR plant vulnerability assessments, mitigation strategies, vulnerability analyses of SFPs and storage casks, Orders issued to enhance security at NPPs, and a summary of the status of actions. The briefing is classified as Secret NSI.

April 7, 2004
The NRC Briefed Senator James Inhofe on the Protection of NRC-Regulated Facilities

The NRC briefing for Senator James Inhofe included a discussion of NRC-regulated facilities and activities, interagency activities, results for PWR and BWR plant vulnerability assessments, mitigation strategies, vulnerability analyses of SFPs and storage casks, Orders issued to enhance security at NPPs, and a summary of the status of actions. The briefing is classified as Secret NSI.

April 13, 2004
The Staff Informed the Commission about the Vulnerability Assessment and Mitigative Measures.

The NRC staff issued a memorandum to inform the Commission of additional staff activities regarding the scope, costs, and schedules of vulnerability assessments and potential mitigative measures. The memorandum described tasks related to developing potential mitigation measures that would examine mechanisms or processes to reduce the release of radioactivity and mitigate external consequences, assuming the release has occurred or is imminent. The June 30, 2004, EDO memorandum to the Commission (ADAMS Accession No. ML041680405), which describes RES activities in this area, addresses this item further.

April 14, 2004
The Commission Issued the SRM "Discussion of Security Issues."

The Commission issued the SRM M040121A, "Discussion of Security Issues" (ADAMS Accession No. ML040980449), which addressed additional actions related to vulnerability assessments and mitigative strategies, discussions with NEI and the licensees of BWR Mark I and II containments, actions by these licensees regarding B.5.b ICM Order, staff actions related to B.5.b ICM Order, and costs to reduce the impact of vulnerabilities to beyond-design-basis threats. The contents of the SRM are classified as Secret NSI.

April 15–16, 2004
SNL Briefed NAS on the MELCOR Modeling of Source Term Release and Transport.

SNL briefed NAS on fire analysis for NPPs and MELCOR modeling of source term release and transport from damaged reactor fuel in a meeting regarding the safety and security of commercial spent nuclear fuel storage. The briefing material is OUO.

April 29, 2004
The NRC Received an Impact Assessment Procedure Report from the United Kingdom.

The NRC received an impact assessment procedure report from NII regarding the assessment of the localized effects of impact on concrete targets. The report is classified as Confidential.

April 29, 2004
The Staff Prepared an Inspection Report Review of Mitigative Measures.

NSIR staff prepared the draft report "Mitigative Measures Inspection Report Review" to describe the staff's review of the documented inspection report results associated with Section B.5.b of the February 25, 2002, Order. The results presented in the report consist of two sets of three samples from the plants inspected. The first set of three plants met the intent of the Order by providing specific guidance and strategies to maintain or restore core cooling, containment, and SFP cooling capabilities using existing or readily available resources (equipment and personnel) that can be effectively implemented under the circumstances associated with loss of large areas of the plant as the result of explosions or fire. The report's description of the second set of three plant measures noted that licensees failed either to conduct a thorough analysis or to determine if additional mitigative actions are necessary based on the analyses.

May 6, 2004
NRC Issued a TI for BWR Mark I and II Containment Operations.

The staff issued TI 2515/157 "Mark I and Mark II Containment Operations." On June 4, 2004, NSIR briefed the Commission on the results of this TI and how the information obtained affected the staff's understanding of potential mitigation measures.

May 12, 2004
RES Briefed NAS on the Applicability of SFP Modeling Results.

RES briefed NAS on the applicability of SFP modeling results to the NPP fleet. The briefing discussed NRC activities related to SFP vulnerability studies, survey of PWR pools, PWR pool fuel analysis, other follow-on activities, applicability of results, and possible SFP mitigation options. The briefing is designated as SGI.

June 3, 2004
The Commission Issued the SRM "Discussion of Security Issues."

On June 3, 2004, the Commission issued an SRM describing the security issues discussed during a meeting between Chairman Diaz and members of the executive branch. The topics included issues related to cost estimates and time for certain vulnerability assessment and consequences, the potential best ways to inform U.S. allies, and references for vulnerability assessments. The contents of the SRM are classified as Secret NSI.

June 4, 2004
RES Issued a D-Note on Ice Condenser and Mark III Analyses and Inspection at Nine Mile Point Unit 1.

RES issued a Daily Note to Commissioners' Assistants (D-Note) regarding ice condenser and Mark III analyses and inspection at the Nine Mile Point Unit 1. The D-Note provided the results of the structural analysis of aircraft impacts on the ice condenser and Mark III plants. The D-Note also provided results of the follow up inspections at Nine Mile Point Unit 1, with respect to potential aircraft impact mitigation strategies. The contents of the D-Note are classified as Secret NSI.

June 4, 2004
NSIR Briefed the Deputy Executive Director for Operations on ICM Activities Related to Mitigative Strategies.

The Director, NSIR, briefed the Deputy Executive Director for Operations (DEDO) on the results of a staff review of Section B.5.b documents related to TI 2515/148, the results of TI 2515/155 and 157 relating to specific BWR systems that could be part of mitigative measures, and actions that resulted from the February 25, 2004, Secret-level meeting between the Commissioners and the licensees' CNOs. Subsequently, later in June 2004, the Commission was briefed on the status of additional licensee actions taken in light of the information the Commission shared with the licensee CNOs on February 25, 2004.

The staff review of the documentation related to the TI 2515/148 inspections indicated a wide spectrum of variation in licensees' responses and compliance with the mitigative strategies aspect of the Order. Only two sites had established Section B.5.b mitigative measures since the February 25, 2004, meeting. The briefing slides are SGI.

June 9, 2004
NEI Provided an Assessment of Costs for Mitigation Features.

In a letter (designated as SGI) to the NRC, NEI provided the industry assessment of vulnerability mitigation cost and schedule estimates for a representative PWR and BWR.

June 10, 2004
ACRS Sent a Letter to Chairman Diaz on the Security of Nuclear Facilities.

This ACRS letter discussed the revision of emergency response plans, the communication to industry of the potential impacts of terrorist attacks, and preplanning to stabilize the plants after an attack. The letter is classified as Secret NSI.

June 14, 2004
The NRC Briefed Senator Dianne Feinstein on the Protection of NRC-Regulated Facilities.

The briefing for Senator Feinstein included a discussion of NRC-regulated facilities and activities, interagency activities, results for PWR and BWR plant vulnerability assessments, mitigation strategies, vulnerability analyses of SFPs and storage casks, Orders issued to enhance security at NPPs, and a summary of the status of actions. The briefing is classified as Secret NSI.

June 18, 2004
The Staff Issued an SA to Address Imminent Threats.

The NRC issued SA-04-07 (SGI) to inform power reactor licensees of the NRC's expectations regarding licensee planning for an imminent attack via land, air, or water. The advisory stated that licensees' plans must be documented, trained upon, and readily implementable. This SA referred to a previous SA issued October 16, 2001. The planning was to include the process for the licensees to be notified of potential aircraft threats. The NRC requested that licensees provide the agency with a copy of applicable, approved imminent threat procedures. Based on the staff's review of the procedures in place at that time and lessons learned when the staff performed a telephone walk-through with licensees of those procedures for air threat scenarios, the staff developed more detailed background information and a procedure template for use by all operating power reactor licensees. Section B.5.a of the ICM Order originally established the requirements associated with aircraft threats.

June 18, 2004
The Commission Approved the Release of Information on the Assessment of Potential Aircraft Attacks at Indian Point.

The Commission issued the SRM for COMSECY-04-0015, "Request for Approval to Release Information to the Public Regarding Assessment of Potential Aircraft Impacts at Indian Point" (ADAMS Accession No. ML041180602) to approve for release to the public information regarding the assessment of potential aircraft attacks at Indian Point. The COMSECY is designated as OUO.

June 30, 2004
The Staff Informed the Commission of Mitigative Measures To Reduce the Release of Radioactivity.

The staff transmitted a memorandum, "Additional Staff Actions Regarding Vulnerability Assessment and Mitigative Measures - Report on Mitigation of Offsite Consequences (WITS 200400053) (ADAMS Accession No. ML041680405) to inform the Commission of the results of a brief study of mitigative measures that could be taken to reduce the release of radioactivity and mitigate offsite consequences in the event of a terrorist attack that severely damages a nuclear plant and allows a release of radioactivity. The memorandum attached a May 18, 2004, SNL report, "Mitigation of Radioactive Releases from a Damaged Nuclear Power Plant" (ML041960006). The primary focus of the report was reducing releases from the containment through the use of pre-positioned or portable equipment. The report was used in the development of Phase 1 B.5.b guidance document considerations involving actions to minimize releases.

June 2004
SNL Reported on Generic Systems To Mitigate Potential Aircraft Attack.

SNL prepared the report "Generic Systems to Mitigate Potential Attack by an Aircraft on PWR and BWR NPPs." The report is classified as Secret.

July 2, 2004
The NRC Issued an SA on SFP Mitigative Measures.

The NRC issued an SA on SFP mitigative measures for operating power reactors. The measures included fuel management, emergency pool water makeup, and additional pool structure protection.

July 2, 2004
The Staff Provided Resource Estimates for Further Studies.

The staff provided a memorandum to the Commission on resource estimates of the engineering and cost of further mitigation strategies for aircraft strikes at NPPs. The memorandum also included the SNL report "Generic Systems to Mitigate Potential Attack by an Aircraft on PWR and BWR NPPs." The memorandum is classified as Secret NSI.

July 6, 2004
RES Responded to the Commission on Sharing Information with U.S. Allies.

In SECY-04-0113, RES responded to the Commission's SRM-M040520A regarding the staff's analysis of ways to share with U.S. allies information concerning mitigative strategies and actions that the NRC is adopting in response to ongoing and completed vulnerability assessments and to request approval of the staff's recommendation. The proposal was to

share information classified up to the level of Secret NSI with allies that the Commission determines have a need to know. SECY-04-0113 is classified as Secret NSI.

July 7, 2004
NAS Requested NRC Fact-Checking of an NAS Report.

NAS requested NRC fact-checking of the NAS report "Safety and Security of Commercial Spent Nuclear Fuel Storage." The report, marked as "Handle as Secret Classification Determination Pending," was ultimately classified as Secret NSI.

July 12, 2004
The NRC Responded to the NAS Request for Fact-Checking.

The NRC issued a letter to NAS regarding the NAS report "Safety and Security of Commercial Spent Nuclear Fuel Storage". In the attachment to the letter, the NRC provided comments regarding the factual portions of the NAS report. The attachment is classified as Secret NSI.

July 13, 2004
RES Informed the Commission on Plans To Initiate Confirmatory Vulnerability Assessment Research.

RES issued a memorandum (ADAMS Accession No. ML041730107) informing the Commission of plans to initiate confirmatory research in three vulnerability assessment areas including spent fuel pool experiments, structural responses to aircraft impacts, and the effects of severe fires. These research initiatives were to improve the staff's understanding of several key uncertainties that affect assessment results related to potential vulnerabilities and mitigation strategies for nuclear power plants and spent fuel pools.

July 13, 2004
The Staff Informed the Commission on Mitigative Measures Involving Firefighting Assets.

The staff transmitted a memorandum (ADAMS Accession No. ML041740453) informing the Commission of the results of a quick-look study of firefighting assets that might be available nationwide for use in the wake of a jet aircraft crash at an NPP. The memorandum forwarded a June 14, 2004, SNL report, "Firefighting Assets that Might be Useful in Response to an Aircraft Crash at a Nuclear Power Plant" (ML041740561). The primary focus of that report was to specify what is needed to fight the resulting fire, what assets would be immediately available, and what additional assets might be available and when. (Note that the SNL report was originally delivered to RES as a draft document dated May 21, 2004.) The report was used in the development of Phase 1 B.5.b guidance document considerations involving firefighting actions.

July 16, 2004
RES Provided an Estimate of the Cost To Assess Potential Vulnerabilities for Small Aircraft Strikes at NPPs.

In SECY-04-0124, RES responded to the Commission SRM-M040520A regarding the estimated cost of assessing potential vulnerabilities for small aircraft strikes at NPPs. The SECY is classified as Secret NSI.

July 20, 2004
A Letter from Chairman Diaz to DHS Secretary Tom Ridge Described the Proposed Vulnerability Assessments.

Chairman Diaz issued a letter to DHS Secretary Tom Ridge, which provided the proposed scope of work and associated budget needs for the conduct of plant-specific vulnerability assessments of NRC-licensed NPPs. The letter also provided a risk ranking of NPPs. The attachments to the letter are classified as Secret NSI.

July 20, 2004
The NRC Provided Comments on the NAS Report "Safety and Security of Commercial Spent Nuclear Fuel Storage."

The NRC issued a letter to NAS, which provided markup comments on the NAS report "Safety and Security of Commercial Spent Nuclear Fuel Storage". The letter is classified as Secret NSI.

Note: These comments are in addition to the fact-checking comments provided in a letter dated July 12, 2004, from the NRC to NAS.

July 21, 2004
The Staff Provided the Commission with Lists of Classified Briefing and Public Statements.

The staff issued a Commission memorandum responding to the SRM "Discussion of Security Issues," dated June 3, 2004. The memorandum listed the classified briefings and public statements known to the staff, with relevant information such as the date and level of classification. The memorandum also described the basis for the conclusion statements made in classified briefings and in public statements. The memorandum is classified as Secret NSI.

July 21, 2004
The EDO Issued a Memorandum to ACRS on the Security of Nuclear Facilities.

The EDO issued a memorandum to ACRS on the security of nuclear facilities. The memorandum stated that the staff is responding to the ACRS recommendations contained in letters dated December 15, 2003, and June 10, 2004, related to the revision of emergency response plans, the communication to industry of potential impacts of terrorist attacks, the need for additional vulnerability studies, and the development of mitigation strategies. The memorandum is classified as Secret NSI.

July 22, 2004
The NRC Briefed Congress on Protection of NRC-Regulated Facilities.

Most of the discussion material from this briefing is designated as SGI.

July 28, 2004
The NRC Received the NAS Report "Safety and Security of Commercial Spent Nuclear Fuel Storage" for Classification Review.

The NRC received a letter from NAS, along with the NAS report "Safety and Security of Commercial Spent Nuclear Fuel Storage." The letter requested that the NRC conduct a formal classification review of the report and provide NAS with the appropriate authority for the classification, downgrading, and declassification instructions. The report is classified as Secret NSI.

July 29, 2004
The NRC Provided SFP Mitigative Measures to Power Reactor Licensees.

The NRC staff issued a letter (ADAMS Accession No. ML042030051) to power reactor licensees informing them that the agency had been evaluating their response to SFP vulnerability to potential terrorist acts as part of its overall vulnerability assessment program. Based on the work at SNL, the NRC had identified several measures that could mitigate potential damage caused by a terrorist attack to spent fuel in an SFP. Enclosure 3 (SGI) to the letter provided the mitigative measures that the NRC stated were appropriate and consistent with Section B.5.b of the ICM Order. The staff asked each licensee to evaluate its SFP operation in light of the measures contained in Enclosure 3 and consider taking appropriate actions. The Director of the Office of State and Tribal Programs forwarded this letter to all State liaison officers with NPPs (ML060730572).

As part of the development of a program of review and inspections, the NRC staff included the SFP mitigation measures detailed in Enclosure 3 in the draft B.5.b guidance document that was later provided to the industry for review and comment on September 28, 2004. This action was taken because feedback from NRC resident inspectors indicated that implementation of the mitigative measures at their sites was inconsistent. Starting on October 29, 2004, the Region 1 IRC performed a survey of the Region 1 sites. This survey requested information from the resident inspectors at each site on the status of implementation of the recommendations for SFP mitigating measures contained in the letter of July 29, 2004. The responses indicated that almost all licensees were aware of the letter but that few planned to implement the recommended strategies. Twelve of the seventeen sites stated that they would not implement the strategies or that they were undecided. This survey was documented in a November 10, 2004, e-mail.

July 29, 2004
The Staff Provided the Commission with Offsite Radiological Consequence Estimates for Two High-Population-Density Sites.

The staff issued a memorandum (ADAMS Accession No. ML041680405) to the Commission regarding offsite radiological consequence estimates for two sites with high population density, Indian Point and Limerick. This vulnerability study task had been identified in an April 13, 2004, memorandum to the Commission, Work Item Tracking System (WITS) 200400052. The purpose of the study was to estimate potential health effects and land contamination resulting from postulated terrorist scenarios. The memorandum is designated as SGI.

July 2004
SNL Reported on the Vulnerability Analysis for Two Plants.

SNL prepared the report, "Vulnerability of NPPs to Aircraft Attack: Comprehensive Structural Analysis for Two Plants" for RES. The report is classified as Secret NSI.

July 2004
SNL Reported on Considerations for an Aircraft Attack on a BWR Mark III Containment.

SNL prepared a preliminary report on considerations for an aircraft attack on a BWR Mark III containment. The report is classified as Secret NSI.

August 3, 2004
The NRC Discussed Aircraft Impact Assessments with Representatives from the United Kingdom.

The NRC staff met with representatives of NII to exchange updates concerning the latest U.S. and British analyses of the potential vulnerabilities associated with airplane crashes involving nuclear facilities.

August 4, 2004
The NRC Briefed the FBI on NPP Vulnerabilities.

The NRC provided the FBI weapons of mass destruction response coordinators with an overview of the NRC analyses of potential vulnerabilities of NPPs to aircraft attacks. The presentation took place at the U.S. Naval Amphibious Base, Coronado Island, San Diego, CA. The NRC presentation indicated that the NPPs are not soft targets and that defense in depth provides protection against releases of radiological material. The NRC indicated that after 9/11 the agency sponsored quick analyses of the threat to all plants. The analyses considered threats from a broad range of aircraft. The NRC also stated that based on the results of these quick analyses, the agency sponsored detailed analyses of two pilot plants (a PWR and a BWR). Most of the presentation material is designated as SGI.

August 25, 2004
The Commission Directed the Establishment of a Program of Reviews and Inspection for Section B.5.b of the ICM Order.

The Commission issued SRM-M040630 (ADAMS Accession No. ML042380036), which required the staff to provide the Commission with a plan and schedule, including prioritization and interim products, for a program of reviews and inspections, including how to use the lessons learned to further enhance licensees' preparedness to implement mitigative measures required by Section B.5.b of the February 25, 2002, ICM Order. The Commission expected staff actions to ensure that effective implementation of the ICM Order would be completed no later than December 2004. The staff was instructed to inform licensees that the Commission expected well-planned and well-executed implementation of B.5.b, with clear reference to large fires and explosions and SAMGs; that licensees must understand that B.5.b is an ongoing requirement; and that they are expected to consider new information that might bear on the strategies and measures taken to meet B.5.b. The SRM stated that as new insights from analysis of plant-specific vulnerabilities and mitigative strategies are developed, licensees can be required to adopt those strategies within the scope of B.5.b if they can be effectively implemented using existing or readily available resources. The SRM also directed the staff to provide a firm schedule for providing the results of the aircraft vulnerability studies for BWR Mark III containments and ice condenser containments. This SRM was assigned to NSIR for implementation.

September 2004
The NRC Established the Office of Nuclear Security Special Projects.

The NRC appointed John A. Grobe as the Director of Nuclear Security Special Projects (NSSP), with staff in the Office of the EDO (OEDO), to implement a program of reviews and inspections, including using lessons learned to further enhance licensees' preparedness to implement mitigative measures required by Section B.5.b of the February 25, 2002, ICM Order.

Note: NSSP moved from being part of OEDO to become part of NRR and was disestablished in September 2006. In September 2006, after completing the Phase 2 and 3 assessments, NSSP was disestablished and responsibility for Section B.5.b implementation and verification was transferred to Stacey L. Rosenberg, Chief, Special Projects Branch (PSPB), Division of Policy and Rulemaking (DPR) in the Office of Nuclear Reactor Regulation (NRR). David Nelson and other key members of the NSSP staff were reassigned to PSPB to ensure continuity.

September 1, 2004
The Commission Provided Guidance on the Assessment of Potential Vulnerabilities to Small Aircraft Strikes.

The Commission made a decision on the staff's recommendation in SECY-04-0124 to assess potential vulnerabilities to small aircraft strikes at NPPs. The SRM is classified as Secret NSI.

September 2, 2004
Chairman Diaz Defined the "Path Forward" for Enhanced Mitigative Measures.

Chairman Diaz issued memorandum (Not in ADAMS) COMNJD-04-003, "The Path Forward for Enhancing Reactor Mitigative Measures and Strategies to Address Terrorist Threats," as part of his recommendation to the Commission for specific actions, in three phases. These actions would build on the steps already taken in response to the agency's February 25, 2002, ICM Order, which were written before RES conducted the aircraft vulnerability studies. The RES vulnerability assessments provide confirmation that Section B.5.b is an effective approach and contain insights into specific, important location and timing issues. The Chairman stated that an essential element of B.5.b is its broad applicability because B.5.b is not event specific. He further stated that B.5.b strategies must be implementable even in the "fog of war," with the potential for loss of significant portions of the plant (and much plant instrumentation) to explosions or fire, and that B.5.b, unlike SAMGs, includes SFPs.

The Chairman noted that as a result of early inspections of the B.5.b requirements, the staff identified significant variation in the scope and depth of the enhancements made by licensees, in part because of the general nature of the requirements. Re-reviewing and re-inspecting these requirements then, with the benefit of clarified expectations, studies performed over the preceding few years, additional industry guidance, and available industry best practice would be a significant step towards ensuring enhanced protection. For these reasons, the staff needs to ensure that B.5.b is well understood and well implemented at operating reactors. To achieve these goals, the Chairman suggested implementation of the three-element approach discussed at a closed Commission meeting on June 30, 2004, and described below.

Phase 1 would ensure that the elements of Section B.5.b of the February 25, 2002, ICM Order were well understood and well implemented at operating reactors. The NRC staff would implement an additional regulatory program of reviews and inspections of NPPs, including using lessons learned and "best practices" to further enhance the plants' effectiveness in maintaining core and spent fuel cooling and containment integrity despite the effects of large fires and explosions. The NRC would conduct this phase exclusively without resources external to the agency.

In Phase 2, the staff would work with the nuclear power industry and DHS to perform plant-specific vulnerability analyses of impacts associated with the loss of large areas of the plant due to explosions or fire.

In Phase 3, the staff would work with DHS and the nuclear power industry to evaluate the effectiveness and practicability of providing backup and other mitigative capabilities.

The Chairman stated that if mitigative enhancements using existing or readily available resources are identified, they would be considered requirements in accordance with B.5.b.

Note: Subsequently, on September 24, 2004, the Commission issued SRM-COMNJD-04-0003 (Not in ADAMS) "The Path Forward for Enhanced Reactor Mitigative Measures and Strategies to Address Terrorist Threats," approving the three-phase approach proposed by Chairman Diaz, as modified by several comments.

September 14, 2004
The NRC Responded to the NAS Report "Safety and Security of Commercial Spent Nuclear Fuel Storage."

The NRC issued a letter to NAS regarding the NAS report "Safety and Security of Commercial Spent Nuclear Fuel Storage." In the enclosure to the letter, the NRC responded to NAS recommendations, specific findings, and other important aspects of the final report. The letter stated that the NRC was in broad agreement with many of the findings of the study and was developing an action plan to track completion of actions that were already underway or were planned. The NRC agreed to consider upgrades to material control and accountability requirements for SFPs and to conduct additional studies and improve sharing of pertinent information with licensees. The NRC took exceptions to specific points in the report. The enclosure to the letter is classified as Secret NSI.

September 20, 2004
The Staff Recommended a Definition of "Readily Available."

In COMSECY-04-0057 (ADAMS Accession No. ML042510100), the staff provided the Commission with a recommended definition of the term "readily available" as used in Section B.5.b of the February 25, 2002, ICM Order. Working with industry representatives, NSIR staff developed the following definition:

> Readily available equipment is equipment under control (e.g., licensee owned, under contract, established Memorandum of Understanding) which has been incorporated into the licensee's training program. This equipment exists onsite or, if offsite, is in close enough proximity, that it will be available and operational in time to prevent significant core damage, significant spent fuel damage, or a large release of radioactivity.

September 24, 2004
The Commission Approved the Three-Phase Approach to the "Path Forward."

The Commission issued an SRM approving the three-phase approach to the "path forward" described in SRM-COMNJD-04-0003. The SRM also contained comments modifying the

approach in terms of the use of enforcement discretion and enforcement actions, the use of a collective approach for Phase 2 to be developed with appropriate industry representatives, the need to coordinate with NEI and its contractor before finalizing a DHS/NRC memorandum of agreement, and the need to provide the Commission with a status update at the monthly Commission briefings on security-related issues. This SRM also directed the staff to develop a communications plan for agency activities involving measures and strategies to address terrorist threats.

September 27, 2004
NEI Provided Comments on the Draft SA for Operating Reactors on Airborne Threat Procedure.

The NEI comments on the draft SA for operating reactors on airborne threat procedure are designated as SGI.

September 30, 2004
SNL Prepared a Preliminary Report on Considerations for an Aircraft Attack on a BWR Mark III Containment.

SNL prepared the "Preliminary Report on Considerations for an Aircraft Attack on a BWR Mark III Containment for the River Bend NPP." The report is classified as Secret NSI.

October 1, 2004
The Staff Requested Commission Feedback on Sharing Information with Congressional Staff.

The staff issued a memorandum to seek Commission feedback on sharing of information related to SFP vulnerability assessments with the congressional staff. The memorandum is classified as Secret NSI.

October 1, 2004
The Staff Briefed the Commissioners' Technical Assistants on the Draft Mitigating Strategies Guidance Document.

The staff conducted a briefing for Commissioner technical assistants on the draft mitigating strategies guidance document. Subsequent to the meeting, the staff provided a copy of the draft document to each Commissioner's office.

October 7, 2004
SNL Reported on a Generic Approach for Overall Structural Response.

SNL prepared a report for RES on a fire simulation with the source of the fire being steam from a reactor water cleanup system pipe break. The report is classified as Secret NSI.

October 8, 2004
The Commission Approved the Definition of "Readily Available."

The Commission issued SRM-COMSECY-04-0057 (ADAMS Accession No. ML042820590) approving the staff's recommended definition of "readily available." Subsequently, the staff incorporated this definition into the B.5.b guidance document issued to the industry on February 25, 2005.

October 13, 2004
NEI Reviewed the NRC Draft Guidance Document.

On October 13, 2004, the NEI SWG submitted the results of its review of the NRC draft document "Developing Mitigating Strategies/Guidance for Nuclear Power Plants to Respond to Loss of Large Areas of the Plant." The staff had provided a copy of the draft guidance document to the NEI SWG on September 28, 2004. This document contained guidance for implementing the mitigative measures required by Section B.5.b of the ICM Order. The NEI submittal included markups indicating (1) recommendations that NEI agreed with, (2) recommendations that it did not agree with or believed to have no value, and (3) recommendations that could not be addressed until completion of the site-specific analyses. Based on its review of the NEI submittal, NSIR staff concluded that the NEI SWG review of the draft guidance document had been insufficient. NSIR provided this conclusion to OEDO for inclusion in an October 15, 2004, D-Note. The NSIR staff later discussed this issue with the NEI SWG at a meeting on October 14, 2004.

October 14, 2004
The Commission Provided Guidance to the Staff on Sharing Information with Congressional Staff.

The Commission issued SRM-COMSECY-04-0063 (ADAMS Accession No. ML042880183) to provide guidance for sharing information related to SFP vulnerability assessments with the congressional staff.

October 14, 2004
The NRC Met with NEI To Discuss the B.5.b Phase 1 Program of Review and Inspections.

The staff held a meeting (described in ADAMS Accession No. ML042860332) with representatives of the NEI SWG to discuss the resolution of industry comments on the NRC guidance document for implementing Section B.5.b of the ICM Order. The NRC staff had developed this guidance document in response to Commission SRM issued on August 25 and

September 24, 2004. These memoranda related to the need for licensees to provide enhanced reactor mitigative measures and strategies to address terrorist threats. During the meeting with NEI, the staff discussed the enhancement program and the guidance document being developed as Phase 1 B.5.b actions. The staff also discussed the question of which equipment and resources were considered to be readily available. The staff stated that readily available resources included both the equipment existing on site at the time of the implementation date of the Order and additional equipment that the licensees would need to employ for their mitigation measures that would be obtained by procurement (i.e., equipment that would be licensee owned), or under contract, or by established memorandum of understanding.

Based on feedback from NEI and industry representatives attending the meeting, the staff concluded that it needed to clarify that the attributes of strategies necessary to meet the requirements of Section B.5.b had evolved from the industry's original understanding and would continue to evolve. The staff also concluded it needed to provide additional guidance as to the type of equipment that belongs in the category of "readily available." The results of this meeting were briefed to the DEDO for Operations for Reactor and Preparedness Programs on October 18, 2004.

October 18, 2004
The NRC Briefed DOE Under Secretary Kenneth Rapuano.

The NRC briefed Under Secretary Kenneth Rapuano of DOE on an overview of NRC vulnerability assessments of nuclear facilities for aircraft impacts, mitigation strategies, and the integrated response plan. Some of the briefing material is classified as Secret Sage Haunt, a special access program established for certain aspects of the assessments.

October 18–20, 2004
The NRC Met with British Representatives Concerning the Aircraft Impact Assessments.

The NRC and SNL staffs met with representatives of NII at SNL to exchange updates concerning the latest U.S. and British analyses of the potential vulnerabilities associated with airplane crashes involving nuclear facilities. The briefing is classified as Secret NSI.

October 19, 2004
The EDO Provided the Communication Plan for Aircraft Vulnerability Assessments.

EDO provided COMSECY-04-0067 (ADAMS Accession No. ML042510611), "Communication Plan for Aircraft Vulnerability Assessments" to the Commission for its approval. The purpose of the plan was to facilitate communication within the agency to enable the staff to provide timely, consistent, and understandable information to external stakeholders. The information to be communicated resulted from the work of the NRC, with support from national laboratories, and reflected an extensive review and analysis of the potential vulnerabilities of four NPPs to aircraft impact. The communication plan included three sets of briefing slides (i.e., Secret, SGI, and OUO versions). On November 3, 2004, the Commission returned the subject COMSECY to the staff for additional revision (ML043080462).

Note: Subsequently, on January 4, 2005, the staff resubmitted COMSECY-04-0067 as COMSECY-05-0001 (ADAMS Accession No. 043550248), incorporating comments received from the Commission and OEDO, NRR, and NSIR. On March 1, 2005, in SRM-COMSECY-05-0001 (ML050600408), the Commission approved the communication plan subject to changes noted in the vote sheets. The staff resubmitted a revised communication plan to the Commission as COMSECY-05-0016 (ML051010395) on April 28, 2005. The Commission approved the communication plan, subject to further comments and changes, in SRM-COMSECY-05-0016 (ML051810352) on June 30, 2005.

October 27, 2004
The Commission Provided Guidance for Staff Oversight of Plant-Specific Vulnerability Assessments.

The Commission issued an SRM (not in ADAMS) as a result of a closed Commission meeting to discuss security issues on October 6, 2004. The SRM directed that the staff exercise effective regulatory oversight, including regulatory review of the results of the plant-specific vulnerability analyses to be conducted by NPP licensees, as discussed at the meeting. The SRM stated that the plant-specific vulnerability assessments should address the impacts associated with the loss of a large area of the plant due to large fires and explosions and that such analyses shall consider the effects of the fire (i.e., a fire affecting internal power distribution and other critical systems) caused by a large aircraft impacting hittable areas. The goals of this effort were (1) to confirm the effectiveness of existing mitigation strategies and measures, (2) to identify additional mitigation strategies or measures that use existing or readily available resources to further enhance the plant's effectiveness in maintaining core and spent fuel cooling and containment integrity despite the effects of large fires and explosions, and (3) to identify potential, practicable options for use of generic, deployable, or other backup mitigation capabilities that exceed NRC regulatory requirements. Further, the SRM directed the staff to replace the draft memorandum of agreement with DHS with a memorandum of understanding, which addresses cooperation and information sharing with DHS on this effort.

This SRM provided supplemental guidance to the staff on the "path forward," and it stated that, where conflicts arise between this SRM and the SRM on COMNJD-04-0003 issued on September 24, 2004, this SRM takes precedence.

Additionally, the SRM directed the staff to submit the final Section B.5.b inspection guidance to the Commission for approval before provision of the guidance to the industry.

October 28, 2004
The NRC Responded to the NAS Study Regarding Safety and Security of Commercial Spent Nuclear Fuel Storage.

The NRC responded to the NAS study on the safety and security of commercial spent nuclear fuel storage. The response addressed the NAS recommendations, technical comments on pool thermal-hydraulic studies, scenarios, and structural analyses. The response also addressed security concerns raised by NAS.

October 31, 2004
NRC Approved Revised Security Plans

By the end of October 2004, the NRC staff had approved completely revised physical security plans for each commercial power reactor site in the country. The operating license for each plant was revised to include a direct reference to these newly-approved security plans. Each of these plans included a section which described the licensees' commitments with respect to implementing the provisions of ICM B.5.b.

November 4, 2004
The NRC Informed DHS That It Would Lead Plant-Specific Assessments.

The NRC informed DHS Secretary Ridge that the NRC was leading the plant-specific assessments program and explained that the assessments would be conducted by NRC licensees, with expert contractors and direct oversight by the NRC. The letter to Secretary Ridge also stated that DHS funding was not needed at that time. Previously, DHS had agreed to provide $10 million to perform these assessments under its lead.

November 12, 2004
The NRC Received the NAS Report "Safety and Security of Commercial Spent Nuclear Fuel Storage."

The NRC received a letter from NAS along with the final NAS report "Safety and Security of Commercial Spent Nuclear Fuel Storage." The report is classified as Secret NSI.

November 17, 2004
SNL Reported on an Evaluation of the Vulnerability of the Sequoyah NPP to Aircraft Attack.

SNL prepared a draft report on an evaluation of the vulnerability of the Sequoyah NPP to aircraft attack. The report is classified as Secret NSI.

November 17, 2004
The Chairman Requested a Paper on Reactor Safety Improvements Identified During Consequence Assessments.

The Chairman requested (ADAMS Accession No. ML043350200/G20040797) that NSIR, in coordination with RES, develop a paper discussing reactor safety improvements that could be made as a result of recent NRC vulnerability assessments. The paper would discuss the mitigative strategies that could be taken to improve reactor and spent fuel safety in the reactor designs that were studied. On February 16, 2005, a memorandum from the EDO to the Chairman, titled "Reactor Safety Improvements Identified During Consequence Assessments," provided the responsive SGI paper, "BWR Reactor Safety Improvements." In large measure, the paper discussed safety improvements that could be realized at operating BWRs by using information obtained in the draft Section B.5.b guidance document being developed for release in late February 2005.

November 18, 2004
The Staff Briefed the Commission on Security.

The staff briefed the Commission on topics involving Phase 1 B.5.b implementation and Phase 2 site-specific assessments. The briefing was at the SGI level, and OUO briefing slides are on file.

November 24, 2004
The NRC Agreed with the NEI Plan for Plant-Specific Assessments.

In an NRC letter (ADAMS Accession No. ML043000437), Chairman Diaz replied to an October 14, 2004, letter from NEI (ML043130522) and agreed with the industry proposal to perform plant-specific assessments, with the NRC providing direct and effective regulatory oversight. The industry proposed an analysis "to identify mitigation strategies that can be employed using reasonably available onsite and offsite equipment and resources."

November 24, 2004
The NRC Informed the Industry of Plans for a Phased Approach to Further Enhance Mitigative Measures.

In an NRC letter (designated as SGI) from the Director, NSIR, to power reactor licensees, the staff informed licensees of NRC plans to implement a phased approach to further enhance reactor mitigative measures and strategies to address terrorist threats. These actions were designed to ensure effective implementation of mitigative measures required by Section B.5.b of the ICM Order to identify additional mitigation strategies or measures that use existing or readily available resources to further enhance the plant's effectiveness in maintaining core and spent fuel cooling and containment integrity despite the effects of large fires and explosions, and to identify potential, practical options for the use of generic, deployable, or other backup mitigation capabilities that exceed NRC regulatory requirements. The NRC informed licensees that the Commission considers the use of mitigation strategies and measures to be a sound framework for determining potential additional enhancements to safety and that the NRC staff would share information and work with licensees to ensure that Section B.5.b was well understood and appropriately implemented at all operating power reactors.

The letter stated that Section B.5.b of the Order had broad applicability because it was not event specific and it involved the development of mitigating strategies for both the reactors and SFPs in responding to circumstances associated with loss of large areas of the plant due to large fires and explosions. One of the considerations in responding to these events involves reliance on the use of readily available resources to maintain core and SFP cooling and containment integrity. The letter provided the definition approved by the Commission of the term "readily available equipment" and noted that this equipment includes items that may be identified as part of the licensee reviews conducted under Phases 1 and 2. The letter further stated that during the inspections of Section B.5.b requirements in 2002–2003, the NRC identified a large variation in the scope and depth of the mitigative strategies developed by licensees and, as a result, the NRC determined that licensees needed additional guidance and clarification.

The letter described Phase 1 as involving additional reviews and inspections related to Section B.5.b of the Order. The NRC expected licensees to use information from the following three areas: (1) use of existing programs and equipment and operational know-how, including maintaining capabilities currently in place, (2) use of industry best practices developed during the initial response by licensees to Section B.5.b, and (3) application of generic lessons learned from engineering analyses conducted over the last few years. The letter offered examples in each area. This included the reference to the NRC letter of July 29, 2004, which described SFP mitigative measures. The Commission had concluded that a program designed to complete these Section B.5.b requirements, with the benefits of lessons learned and best practices, would further ensure licensees' ability to maintain core and spent fuel cooling and containment integrity in the event of large fires and explosions.

The NRC informed the licensees that the staff, in coordination with the NEI SWG, was developing additional guidance for licensees to use in strengthening plant programs for Section B.5.b mitigative measures. The agency planned to provide detailed guidance

separately in a forthcoming industry workshop. This workshop would be an opportunity to communicate a clear understanding of the guidance and to discuss planned Phase 1 and 2 actions.

The NRC staff would work with industry to perform the Phase 2 plant-specific analyses of potential impacts associated with the loss of large areas of the plant due to large fires and explosions. The letter forwarded the NEI letter of October 14, 2004 (ADAMS Accession No. ML043130522/G20040686) as Enclosure 2, and the NRC letter of November 5, 2004 (ML043000437) as Enclosure 3. The NRC staff would keep DHS informed of the Phase 2 activities and would discuss with DHS any potential mitigation strategies identified by the Phase 2 analyses that were beyond the scope of Section B.5.b for consideration under national critical infrastructure protection.

November 2004
Brookhaven National Laboratory Reported on an Assessment of Potential Fuel Assembly Damage from an Aircraft Impact.

Brookhaven National Laboratory (BNL) prepared a report for RES on an assessment of potential fuel assembly damage from an aircraft impact on an SFP wall. The report is designated as SGI.

December 1, 2004
The Staff Provided the B.5.b Draft Guidance Document to the Commission and NEI.

The NRC staff provided a memorandum (ADAMS Accession No. ML043280417) to the Commission that detailed the development of a draft document that would be used to provide guidance and clarification necessary to help standardize the industry's response to Section B.5.b of the ICM Order. This document was one of the interim products of the program of reviews and inspection to further enhance licensees' preparedness to implement mitigative measures as required by Section B.5.b. The draft guidance document incorporated lessons learned and industry best practices developed during the initial response by licensees to the Order. The memorandum also stated that the staff coordinated the development of the guidance with the NEI SWG and that the staff would provide a final guidance document to the Commission before conducting an industry workshop tentatively scheduled for early January 2005.

December 2, 2004
NSIR Briefed ACRS on Phase 1 Activities of the "Path Forward."

NSIR staff briefed the ACRS on Phase 1 activities of the "path forward" for enhanced reactor mitigative measures and strategies to address terrorist threats. The briefing was at the OUO level, and briefing slides are on file.

December 7, 2004
The NRC Met with NEI on the Draft B.5.b Guidance Document.

The NRC staff met with NEI representatives as part of the staff's efforts to obtain a broader industry review of the draft Section B.5.b guidance document. The staff revised this draft guidance document and sent it to NEI on December 10, 2004, for distribution to industry.

December 8, 2004
The Staff Estimated Resource Requirements for the B.5.b Phase 1 Inspection Effort.

The staff issued a D-Note (ADAMS Accession No. ML043430114) that provided a schedule of the Phase 1 program of reviews and inspections to reverify licensee preparedness to implement mitigative measures as required by Section B.5.b of the February 25, 2002, Order (as required by SRM dated August 24 and September 25, 2004) and provided an estimate of inspection resources developed by NSIR and NRR. The estimate was 2.5 full-time equivalents (FTEs), plus training and travel. These resources would rely on resident and regional inspection staff.

December 14, 2004
The NRC Invited Power Reactor Licensees to Attend a B.5.b Workshop.

The NSIR Office Director issued a letter (ADAMS Accession No. ML043450434) to power reactor licensees inviting them to attend a workshop on enhancing reactor mitigative measures and strategies for responding to Section B.5.b of the ICM Order. The workshop was scheduled for January 14, 2005. This letter supplemented the guidance provided in a November 24, 2004 NRC letter which informed licensees of the NRC's plans for a phased approach for further enhancing reactor mitigative measures and strategies. The purpose of the workshop was to communicate a clear understanding of the guidance and to provide an opportunity for the NRC to discuss planned Phase 1 and 2 actions. Topics for discussion included considerations for the development of firefighting response strategies, plant operations to mitigate fuel damage, and actions to mitigate releases. The NRC asked licensees to send representatives to the workshop who would be able to share information about their sites' established programs and practices related to Section B.5.b and who would be able to communicate information from the workshop back to their respective sites.

December 23, 2004
NEI Commented on the NRC's Draft B.5.b Guidance Document.

NEI submitted a letter (containing SGI) that commented on the NRC's draft B.5.b guidance document. Enclosure 1 of the letter contained the industry comments, and Enclosure 2 presented a line-in/line-out revision of the Phase 1 guidelines.

NEI's general comments were the following: (1) the scope of the guidance is well beyond good practices collected by the NRC when it conducted inspections of licensee implementation of ICM Order Provision B.5.b, (2) the guidance delineates actions that are premature given the site-specific mitigation strategy studies to be performed by the industry in 2005, (3) the lack of clarity in the guideline document creates confusion, which is likely to cause inspection problems and result in the same situation that this guidance is attempting to rectify, and (4) capital costs would be incurred as part of B.5.b Phase 1 implementations. The industry was expecting a checklist approach and wanted to see more information such as that contained in Section 4 of the document, "Compilation of Best Practices." The industry comments noted that the guidance focused primarily on three areas: (1) firefighting response strategies, (2) plant operations to mitigate fuel damage, and (3) actions to minimize releases of radiation. The industry was concerned that some of the analyses needed would be conducted as part of the site-specific mitigation strategy studies and that the guidance was imposing new B.5.b requirements that involve the expenditure of significant resources. NEI recommended that the guidance be rewritten and provide only a checklist of good practices identified during NRC inspection of licensee implementation of B.5.b in 2002 and that the rewrite should be done before the January 14, 2005, workshop. The industry noted that the expected 90-day implementation period would not be sufficient for the current scope of the guideline.

Subsequently, on December 29, 2004, the NRC staff met with NEI representatives to discuss the industry comments provided in the NEI letter. The NRC staff reiterated the information contained in the November 24, 2004, letter to power reactor licensees, which indicated that the guidance document would reflect the focus on three specific areas, namely (1) reliance on existing programs, equipment, and operational know-how, (2) reliance on industry best practices, and (3) generic lessons learned from engineering analyses. The NRC staff, in addressing industry concerns, stated that the licensees were not expected to complete substantial evaluations in Phase 1. In response to the industry concern that there is no way to predict the release of radioactive materials during the Phase 1 effort, the staff stated its expectation that licensees would assume a release pathway and provide an appropriate mitigation strategy.

December 29, 2004
The EDO Submitted Guidance for B.5.b, Phase 1 and Phase 2, to the Commission.

The EDO transmitted COMSECY-04-0080 (ADAMS Accession No. ML043500083) to the Commission on the subject of reactor mitigative measures and strategies for responding to the ICM Order, Section B.5.b, loss of large areas of the plant. The COMSECY attached for Commission concurrence a letter for the CNOs of NPPs that described the NRC's

implementation plan. Subsequently, on January 13, 2005, the Commission issued SRM-COMSECY-04-0080 (ML050130329), which approved the proposed letter to the CNOs, subject to changes.

January 7, 2005
The Staff Provided Revised Draft B.5.b Phase 1 Guidance to Commissioners' Assistants.

The NRC staff issued a D-Note (ADAMS Accession No. ML050120447) which forwarded the latest version of the B.5.b Phase 1 guidance document to the Commission. The staff noted that the Commission had been given a previous draft of the B.5.b guidance document on December 1, 2004. The staff subsequently revised that version and sent it to NEI for distribution to the industry on December 10, 2004. The latest version resulted from a meeting that the NRC staff held with NEI on December 7, 2004. The D-Note provided three attachments: (1) the NEI letter given to the NRC on December 23, 2004, which included the industry comments on the revised draft B.5.b guidance document, (2) a marked-up version of the staff's draft guidance document showing the differences between the staff and NEI versions, and (3) the final draft guidance document for Phase 1, which the staff planned to distribute to the industry at the upcoming workshop on January 14, 2005. The D-Note also stated that the staff would develop the necessary TI to be used by the regions in conducting B.5.b Phase 1 inspections.

January 14, 2005
The NRC Provided B.5.b, Phase 1 and Phase 2, Guidance to Licensees.

In a January 14, 2005, letter (ADAMS Accession No. ML050130402) to all operating power reactor licensees, the NRC provided further guidance on the reactor mitigative measures and strategies for responding to the ICM Order Section B.5.b. The letter described a phased approach for responding to the Order.

Phase 1 involved additional reviews and inspections of NPP licensees related to implementation of the February 25, 2002, ICM Order. The NRC expects licensees to use information from (1) existing programs and equipment and operational know-how, including maintaining capabilities currently in place, (2) industry best practices developed during the initial response by licensees, and (3) application of generic lessons learned from engineering analyses conducted over the last few years to develop and implement appropriate Section B.5.b mitigation measures under Phase 1 actions.

Phase 2 involved the NRC oversight of the nuclear power industry's performance of plant-specific analyses of potential impacts associated with the loss of large areas of the plant. The specific goals of Phase 2 are to (1) confirm the effectiveness of existing mitigating strategies and measures, (2) identify additional mitigation strategies or measures that use existing or readily available resources to further enhance the plant's effectiveness in maintaining core and SFP cooling and containment integrity despite the effects of large fires and explosions, and (3) identify potential, practicable options for the use of generic, deployable, or other backup mitigation capabilities that exceed NRC requirements. (Note: Subsequently, this Phase 2

strategy was replaced by a Phase 2 strategy for maintaining SFP cooling and a Phase 3 strategy for maintaining core cooling and containment integrity.)

The January 14, 2005, letter also indicated that the NRC would provide additional guidance for addressing compliance with Section B.5.b of the ICM Order at two workshops planned for January 14, 2005, and February 2, 2005.

January 2005
The Industry Performed a Phase 2 Pilot Assessment.

NEI and industry representatives began a Phase 2 pilot assessment at the Hatch plant in late January 2005. The NRC staff observed this assessment, which was intended to confirm the assessment methodology created by NEI and its contractor and reviewed by NSSP. Based on this assessment the methodology was revised, but the assessment was interrupted by the subsequent separation of the SFP assessments, later referred to as Phase 2, from the reactor and containment assessments, later referred to as Phase 3. The NRC developed its own SFP methodology for the Phase 2 assessments. Subsequently, on June 23, 2005, the NRC issued the letter "Closure of Post 9-11 Nuclear Reactor Security Activities" (ML051740047), which clarified the approach to the NRC's Phase 2 assessments (for SFPs) and Phase 3 assessments (for reactors and containments) and their relationship to the Phase 1 regulatory requirements and inspections.

January 14, 2005
The NRC Held a Workshop on the Development of the B.5.b Guidance Document for Phases 1 and 2.

The NRC conducted a closed workshop with industry representatives to discuss implementation of Phase 1 and 2 requirements for Section B.5.b of the ICM Order. The staff issued the meeting notice for this workshop on January 4, 2005 (ADAMS Accession No. ML050050154). At this workshop, NSIR distributed a draft version of the Phase 1 guidance document and presented the licensees with the information needed to review and determine which site-specific actions would be necessary to achieve satisfactory compliance with Section B.5.b of the ICM Order. The draft guidance document used at this workshop was dated January 7, 2005. RES also presented NRC research insights into implementation of guidance for enhancing reactor mitigative measures and strategies. RES discussed its key study conclusions, vulnerability assessment tools, results of studies of PWR and BWR plants, and mitigation strategies. NSSP also made a presentation on the planned Phase 2 assessments of the loss of large areas of nuclear facilities due to explosions or fire. Most of the discussion material is designated as SGI.

January 26, 2005
The Commission Provided a Decision-Making Framework for Materials and Research and Test Reactors.

The Commission issued SRM-SECY-04-0222 (ADAMS Accession No. ML050210288), which provided the staff with a decision-making framework for vulnerability assessments of materials

and research and test reactors. The SRM also directed that the results and any associated recommendations be reported to the Commission.

January 26, 2005
The NRC Issued an SA To Address Imminent Threats.

The NRC issued SA-05-02, "Security Advisory for Operating Reactors," a document containing SGI, to provide power reactor licensees with information regarding the NRC's process for notifying licensees regarding potential aircraft threats and a template for the creation of plant-specific procedures to respond to an aircraft threat. The SA identified a potential licensee vulnerability that could be exploited by an adversary. The guidance provided to licensees included information on the need to implement specific procedures that mitigate the consequences associated with the vulnerability.

Following the issuance of this SA, the staff reviewed each licensee's imminent threat procedures and conducted telephone walk-throughs with all power reactor licensees to exercise their revised airborne threat procedures. The staff completed the walk-throughs by October 31, 2005.

As part of the development of the Section B.5.b guidance document issued by the NRC staff on February 25, 2005, the agency included SA-05-02 as part of the response strategy in the section of the guidance document that discussed general considerations in developing strategies.

Note: Subsequently, on August 20, 2008, the NRC issued RIS 2008-20, "Redesignation of Safeguards Advisory for Operating Power Reactors" (ADAMS Accession No. ML081690761) to announce that this SA had been redesignated from SGI to OUO—Security-Related Information. The NRC took this action on the basis of the licensees' implementation of the procedures and the consequent reduction in the level of vulnerability. The redesignated SA is now in ADAMS (ML080390425).

February 2, 2005
The NRC Held a Workshop on the Development of the B.5.b Guidance Document for Phase 2.

The NRC staff conducted a closed workshop for industry representatives on the subject of the SFP mitigating strategies portion of the Phase 2 plant-specific assessments. The arrangements for this workshop were similar to those of the January 14, 2005, workshop discussed above. This workshop focused on the technical bases underlying NRC recommendations associated with SFP cooling, as transmitted to the industry in the NRC letter of July 29, 2004. The presentation on the development of the Section B.5.b guidance included information on the following specific areas: (1) dispersal of high-decay power assemblies, (2) locations to avoid (e.g., above rack feet), (3) maintenance of empty spaces in fuel racks, (4) promoting passive ventilation of air space above the pool, and (5) emergency makeup water sources. Participants in the workshop also discussed the NRC's expectations and "path forward." An SGI presentation, titled "Thermal Response of Fuel in Damaged Pool Events," provided the technical basis for the recommended mitigative measures.

Subsequently, on February 2, 2005, the staff prepared a revised B.5.b guidance document to address feedback received from the attendees at both the January 14 and February 2, 2005, workshops.

Note: At that time, the identification of strategies for maintaining SFP cooling studies was considered to be part of Phase 2, which also included the identification of additional mitigation strategies for maintaining reactor core cooling and containment integrity. Later, these reactor core cooling and containment strategies would be designated as Phase 3, leaving Phase 2 to address only the SFP strategies.

February 3, 2005
The NRC Briefed Congress on NRC Actions To Protect Public Health and Safety.

Most of the material of this NRC presentation to Congress is classified as Secret NSI.

February 7, 2005
ORNL Published Reports on the Visual Interactive Site Analysis Code.

ORNL published reports on detailed reactor models for the Visual Interactive Site Analysis Code (VISAC). The generic applications report is designated as SGI, and the report for specific application of the code to the Peach Bottom and Surry plants is classified as Secret NSI.

February 8, 2005
The Commission Directed the Staff To Support the NAS Study.

The Commission issued SRM-M050124B (ADAMS Accession No. ML050390427). This SRM noted that the Commission met with members of the study committee of the NAS which prepared the congressionally mandated study "Safety and Security of Commercial Spent Nuclear Fuel Storage." The Commission directed the staff to provide the study committee with the additional background documentation requested related to spent fuel storage safety and security and to provide for Commission review the proposed report to Congress on the NRC's actions taken in response to the committee's recommendations.

February 17, 2005
RES Issued a Memorandum to the Commission on the Current Results of the Ice Condenser and Mark III Assessments.

RES issued a memorandum to update the Commission on the assessment results to date for the PWR ice condenser and BWR Mark III containments. The memorandum also provided a revised schedule for completion and documentation of the assessments. In parallel with the documentation results, the staff would develop an action plan describing how the results of the Sequoyah and Grand Gulf assessments would be used. The memorandum is classified as Secret NSI.

February 25, 2005
The Staff Issued the Final Section B.5.b Implementing Guidance Document.

The NRC issued a letter to all power reactor licensees (ADAMS Accession No. ML050380203) providing the final Section B.5.b implementing guidance for site-specific mitigation measures to be used to achieve compliance with Section B.5.b. This letter followed from the November 24, 2004, letter informing licensees that the NRC was planning to implement an approach that would further enhance plant mitigating strategies to address potential terrorist threats. The staff updated the guidance document to reflect industry comments received at the January 14 and February 5, 2005, workshops. The letter referenced the NRC letter of January 14, 2005, and discussed the use of the workshops and the coordination with the NEI SWG in the development of the guidance document.

The final Section B.5.b implementing guidance document included Attachment A, which addressed (1) firefighting response strategies, (2) plant operations to mitigate fuel damage, and (3) actions to minimize releases. Attachment A related to the areas of considerations that were based on lessons learned from recent engineering studies involving plant assessments, as well as industry best practices. Attachment B of the guidance document addressed expectations for employing measures from the areas of consideration, and extracts from Attachment A provided the specific expectations for mitigative measures that should be evaluated by each licensee for potential inclusion in its B.5.b mitigating strategies.
The letter also requested that each licensee provide a detailed response describing its site-specific plans and schedule to address the various considerations in the enclosed guidance

by May 31, 2005, and implement all of the planned mitigating strategies described in its response no later than August 31, 2005.

On March 2, 2005, a D-Note (ADAMS Accession No. ML050620253) informed each Commissioner's office that the guidance document had been issued to power reactor licensees on February 25, 2005, and that a copy of the SGI-level document had been provided to each Commission office.

Note: Subsequent to the NRC's issuance of the B.5.b guidance document, the industry, through the NEI SWG, developed a Section B.5.b guidance document template (a document designated as SGI). Licensees used this template to respond to the NRC request for plans and schedule to address the various considerations in Attachment B of the B.5.b guidance document.

February 2005
The NRC Provided a Risk Ranking of Plants to the FBI.

The NRC provided the risk ranking for airborne threat to NPP sites to the FBI. The list is classified as Secret NSI.

March 1, 2005
The Commission Approved the Communications Plan.

The Commission issued SRM-COMSECY-05-0001 (ADAMS Accession No. ML050600408), the resubmittal of COMSECY-04-0067, "Communications Plan for Aircraft Vulnerability Assessments." This SRM approved the communications plan, subject to the changes noted in the Commission vote sheets.

March 8, 2005
The Staff Updated the Commission on the Preliminary Results of the Ice Condenser and Mark III Studies.

The staff issued a memorandum to update the Commission on the schedule for completion of the assessments and the staff plans for using the preliminary results. The memorandum stated that the staff would provide a Secret-level briefing on the preliminary results of the studies for the six licensees of the ice condenser and Mark III plants and NEI representatives. During the briefings, the staff would request that the licensees consider the results in their ongoing B.5.b Phase 1 effort to identify appropriate readily available mitigation strategies. The memorandum is designated as SGI.

March 11, 2005
A Staff Note Provided the Preliminary Results of Ice Condenser and Mark III Studies to the Commission.

The staff provided the Commission with a note (the document is not in ADAMS) stating that the February 17, 2005, RES memorandum (classified as Secret) discussed aircraft vulnerabilities for PWR ice condenser and BWR Mark III containment plants. The note stated that, as part of an action plan being developed, the NRC would immediately engage with licensees of these types of plants to identify and implement, as appropriate, near-term mitigating strategies for responding to loss of large areas of the plant due to fires and explosions. The note also discussed the RES memorandum of March 8, 2005, which stated that the NRC staff would provide Secret-level briefings on the preliminary results of the studies for the six licensees of ice condenser and Mark III plants and NEI representatives. Further, the memorandum stated that (1) the staff would request that the licensees consider the results in their ongoing B.5.b Phase 1 effort to identify any appropriate readily available mitigation strategies and (2) the staff would request that NEI consider the results in the ongoing NEI development of the guidelines to be used to identify readily available and beyond-readily-available mitigation strategies for loss of large plant areas due to fires and explosions. Item (2) in the memo was noted as having significant policy implications, which if not well conceived, could jeopardize the good will and cooperation that exist as a result of the efforts of the NRC and NEI in establishing the actions of the B.5.b Phase 1 program.

A meeting was scheduled for March 11, 2005, for representatives from NSSP, RES, NRR, and NSIR to discuss the planning for meeting with industry to provide the Secret-level briefing. The agenda for this meeting was to include a discussion of the potential impact of the March 8, 2005, RES memorandum's stated action on the B.5.b Phase 1 program.

March 11, 2005
The Commission Directed the Staff to Continue To Meet with NEI.

In SRM-M050125 (ADAMS Accession No. ML050700425), as a result of a briefing by representatives of NEI to the Commission on January 25, 2005, the Commission directed the staff to continue to work with industry to promote stability with due process for necessary changes in NPP security programs and to provide an update on the current status of issues discussed at the meeting, including the final closure of B.5.b.

March 12–19, 2005
RES and NSIR Staff Visit the United Kingdom as Part of an Information Exchange.

RES and NSIR representatives visited the United Kingdom as part of an ongoing information exchange between the NRC and NII regarding the potential consequences of attacks on nuclear facilities. The NRC staff members visited several British nuclear facilities and were briefed on the results of NII analyses and associated decisions, including mitigation strategies. The NRC learned that although aircraft are regarded as beyond the official NII DBT, British Nuclear Fuels had, with NII's concurrence, defined and designed physical mitigation measures at specific

plants. The design of these mitigation measures assumed a threat defined in terms of aircraft type, impact speed, and approach angle. Part of the trip report for the visit is classified as Secret NSI. The staff issued a quick-look report documenting the trip to the Commissioners' Assistants on April 8, 2005. The staff also issued a memorandum documenting the trip report to the RES and NSIR Office Directors on April 20, 2005. The attachment to the trip report is classified as Secret NSI.

March 14, 2005
The NRC Responded to Congress on the NAS Study on SFPs.

In a letter (ADAMS Accession No. ML050210005), NRC Chairman Nils Diaz responded to the "Fiscal Year 2004 Energy and Water Development Conference Report." In that report, Congress asked NAS to provide independent scientific and technical advice on the safety and security of commercial spent nuclear fuel storage in the United States. Congress requested that NAS produce a classified report and also provide an unclassified summary for public distribution. As a result of this study, NAS made the following recommendations:

- The NRC should review and upgrade, where necessary, its security requirements for protecting spent fuel rods from theft by knowledgeable insiders.

- An independent organization should perform an assessment of the effectiveness and adequacy of improved surveillance and security measures for protecting stored spent fuel.

- The NRC should undertake additional analyses to more fully understand the vulnerabilities and consequences of loss-of-pool-coolant events that could lead to zirconium cladding fire. Based on these analyses, the NRC should take appropriate actions to address any significant vulnerabilities.

- The NRC should ensure that power plant operators take prompt and effective measures to reduce the consequences of loss-of-pool-coolant events that could result in propagating zirconium cladding fires. The NRC should consider using the results of the vulnerability analyses for possible upgrades in Title 10 of the *Code of Federal Regulations* (10 CFR) Part 72, "Licensing Requirements for the Independent Storage of Spent Nuclear Fuel, High-Level Radioactive Waste, and Reactor-Related Greater Than Class C Waste," for dry casks to improve their resistance to terrorist attacks.

- Depending on the outcome of plant-specific vulnerability analyses, the NRC might determine that early movements of spent fuel from pools into dry cask storage would be prudent to reduce the potential consequences of terrorist attacks on pools at some NPPs.
- The NRC should improve the sharing of pertinent information on vulnerability and consequence analyses of spent fuel storage with NPP operators and dry cask storage system vendors on a timely basis.

The Chairman's letter stated that the NRC agreed with many of the points raised by NAS and was seriously considering the NAS report's recommendations. However, the NRC also identified areas of disagreement with the NAS recommendations and concluded that they lacked a sound technical basis. The NAS finding that earlier movement of spent fuel from pools into dry storage would be prudent is one such example. The Chairman's letter included a classified attachment providing more detailed information.

The Chairman's letter stated that the NRC continues to implement Homeland Security Presidential Directives including those that direct Federal agencies to appropriately protect information associated with carrying out critical infrastructure identification, prioritization, and protection.

The Chairman's letter also stated that, independent of the NAS study, the NRC had taken numerous actions to enhance the security of spent nuclear fuel. Before September 11, 2001, spent fuel was well protected by physical barriers, armed guards, and several other measures discussed in the letter. Since September 11, 2001, the NRC has significantly modified its requirements, and licensees have significantly increased their resources to improve security at spent fuel facilities and NPPs. The Chairman cited the ICM Order and subsequent implementation efforts as examples.

The Chairman's letter further stated that the NRC was continuing to evaluate power reactor security, including SFP security, in force-on-force exercises. The letter concluded that the results of assessments completed to date clearly show that storage of spent fuel in both SFPs and in dry storage casks provides reasonable assurance that public health and safety, the environment, and the common defense and security will be adequately protected.

March 22, 2005
The Staff Provided Updates on the NAS Study and the Completion of B.5.b Phase 1; the NRC Agreed with the NEI Phase 2 Approach.

In a memorandum to the Commission (ADAMS Accession No. ML050630176), the staff provided an update of the NRC's significant security activities as of February 28, 2005. The memo reported that, in response to the interest generated by the Alvarez report, Congress had asked NAS to study spent nuclear fuel storage at commercial reactor sites. The objectives of the request were to assess (1) the potential safety and security risks of spent nuclear fuel presently stored in cooling pools, including the density of such storage, (2) the safety and security advantages, if any, of dry cask storage versus wet pool storage at reactor sites, and (3) the potential safety and security advantages, if any, of dry cask storage using various single-purpose, dual-purpose, and multipurpose cask designs. The NRC staff provided a memorandum to the Commission including the draft report to Congress that addressed the findings and recommendations in the NAS study. The memorandum also described the completion of the Phase 1 B.5.b potential mitigative strategies for a range of threats that would provide additional protection beyond that achieved by existing safety, safeguards, and security requirements, including compensatory measures mandated since September 11, 2001.

The memo also described inspection activities to verify actions under the ICM Order, Section B.5.b, including TI 2515/155 and TI 2515/157, and actions since February 2004.

The memorandum described the status of Phase 2, involving the performance of site-specific assessments to identify mitigative strategies to maintain or restore reactor core cooling, containment integrity, and SFP cooling. The NRC and NEI, on behalf of the NPP owners/operators (licensees), agreed in fall 2004 to collaborate in assessing each of the nation's commercial NPPs to identify strategies for mitigating the loss of large areas of the NPP due to fire or explosion, including those caused by an aircraft impact.

The memorandum updated the status of the site-specific assessments to reflect the first pilot assessment in January 2005 at the Hatch plant, where NEI and industry management concluded that an alternate approach using predefined damage footprints would better identify a wide range of mitigative measures. The pilot and assessment schedule was adjusted to allow NRC staff review of the industry's revised assessment concept. The staff and the industry expected to resume pilot assessments in April 2005 to verify the effectiveness of the new approach, finalize the revised industry guidance, establish a new assessment schedule, and initiate industrywide assessments by July 2005.

March 22, 2005
The Commission Directed the Staff Response to Congress on the NAS SFP Report.

In SRM-M050307C (ADAMS Accession No. ML050810447), as the result of a Commission discussion at its March 7, 2007, meeting on the proposed response to Congress regarding the NAS report, the Commission strongly agreed that the agency must send a clear message to Congress regarding the actions taken by the NRC to ensure the safety and security of commercial spent nuclear fuel storage. The Commission agreed to the immediate establishment of a task force to review the NRC report to Congress on the NAS study.

March 24, 2005
NSIR Provided Plans for Inspecting the B.5.b Phase 1 Program.

NSIR provided the Commission with a framework (in ADAMS Accession No. ML050770242) for the development of a TI for the inspection of the B.5.b Phase 1 program. This framework included a number of considerations: identification of inspection resources and scheduling, the development of inspection requirements and guidance, the training of inspection personnel, and regional and Commission review of the TI. The framework also noted that, to ensure a comprehensive review of licensee actions, NSIR and NRR would develop a plan that integrates necessary review of licensee actions and verification provided by the TI. The staff indicated that it would forward the TI to the Commission when the TI is issued in June 2005.

March 29, 2005
The Commission Directed the Staff on Aircraft Impact Studies.

As a result of a staff briefing to the Commission on security issues, the Commission issued SRM-M050329B (ADAMS Accession No. ML051460105). This SRM directed the staff to supplement the aircraft impact studies for nuclear reactors and SFPs to include (1) realistic estimates of jet fuel carried on aircraft, (2) the influence of jet fuel inventory on the structural and fire damage analysis, and (3) considerations of fuel dispersal. These realistic analyses, as they are developed, would be used for all NRC work and shared with DHS, as appropriate. In addition, the staff was directed to advise the Commission of the value, cost, and schedule of potential additional research efforts to improve the understanding of the dispersal of jet fuel and thereby reduce the uncertainties in structural or fire damage from realistic aircraft scenarios.

March 30, 2005
The NRC Briefed BWR Mark III Licensees on Consequence Analyses.

The NRC briefed the BWR Mark III licensees on consequence analyses for BWR reactors with Mark III containments. The briefing summarized the NPPs analyzed by the NRC (Peach Bottom, Surry, Indian Point, Sequoyah, and Grand Gulf), elements of the technical analysis, hittability analysis, examples of structural and fire analyses, engineered systems response analysis, accident progression and source term analysis, mitigation analysis, and results of the Grand Gulf containment and auxiliary building analyses. The results of the analyses discussed in the briefing are classified as Secret NSI.

March 30, 2005
The Commission Approved the Release of the Safeguards Report to Licensees.

In SRM-COMSECY-05-0008 (ADAMS Accession No. ML050900394), "Release to Licensees of Non-Publically Available Documents Pertaining to Vulnerability Assessments," the Commission approved release of the Safeguards versions of the June 2004 report "Generic Systems to Mitigate Potential Attacks on PWR and BWR Nuclear Power Plants" and specific sections of the draft May 4 report, subject to limitations involving need to know and licensee safeguards programs.

April 1, 2005
The EDO Provided Estimates for NSSP to Oversee Industry Assessments.

In a memorandum to the Commission (ADAMS Accession No. ML050940439), the EDO provided the resource requirements and impacts of the reallocation of FTE and staff from RES, NRR, NSIR, the Office of Enforcement, and Region III to OEDO for NSSP. This project was planned to continue through September 2006.

April 12, 2005
NSIR Briefed Deputy Regional Administrators on B.5.b Phase 1 Activities.

NSIR briefed the Deputy Regional Administrators on the B.5.b Phase 1 activities of the "path forward" for enhanced reactor mitigative measures and strategies to address terrorist threats. The briefing slides are on file.

April 27, 2005
The NRC Endorsed NEI Guidance on the Range of Protective Actions.

In an April 27, 2005, letter (ADAMS Accession No. ML051520376), NEI requested NRC endorsement of "NEI Guidance, Range of Protective Actions for Nuclear Power Plant Incidents, April 2005." The purpose of the NEI guidance was to detail the range of early-phase (EPA 400-R-92-001: "Manual of Protective Action Guides and Protective Actions for Nuclear Incidents," October 1991, Section 2.1.3) protective actions that could be used for NPP incidents. On June 6, 2005, the NRC issued RIS 2005-008, "Endorsement of Nuclear Energy Institute (NEI) Guidance 'Range of Protective Actions for Nuclear Power Plant Incidents'" (ML050870432), which provided the requested endorsement.

May 12, 2005
The Commission Directed the Staff to Complete Phase 1 and Approved the Plans for Phase 2.

In SRM-M050421B (ADAMS Accession No. ML051320314), the Commission directed the staff to complete its review and inspection of licensees' implementation of mitigative measures as required by Section B.5.b of the ICM Order, as further elaborated in the staff's letter to licensees dated February 25, 2005. This effort, designated as Phase 1, was to be completed by fall 2005. The Commission also stated that it supported the NRC staff's plans to perform independent site-specific assessments to identify additional SFP mitigation strategies at the remaining sites (Option 2) separately from assessments of the reactor core and containment. This effort was designated as Phase 2. The SRM directed that during the Phase 2 effort, the staff should clearly and consistently distinguish between mitigative measures that fall within the "readily available equipment" standard of Section B.5.b of the February 25, 2002, Order and those that do not.

The SRM also directed the staff to prepare a list of generic mitigation measures that are not readily available that could be recommended for purchase by DHS. Such measures could

include, for example, the purchase of aqueous film-forming foam (AFFF) for use by local or regional fire departments. Subsequently, the staff provided its recommendations in COMSECY-05-0022, dated June 15, 2005. The Commission approved the staff's recommendations in SRM-COMSECY-05-0022, dated June 30, 2005. The COMSECY and SRM are designated as SGI.

Note: At this point, Phase 2 was intended to address SFP, reactor, and containment strategies. When the NAS study was declassified and released to the public, pressure came from Congress to address the SFP vulnerabilities as a priority, resulting in the NRC's decision to perform the SFP assessments, now designated Phase 2, before the reactor and containment assessments, now designated Phase 3.

May 12, 2005
The Commission Directed the Staff To Provide a Detailed Proposal for Conducting Phase 3 Assessments.

In Supplemental SRM-M050421B-SUPP (ADAMS Accession No. ML051320316), the Commission directed the staff to provide a detailed proposal for conducting site-specific Phase 3 assessments for the reactor cooling and containment functions. This proposal would rely heavily on what was learned from the programmatic results of the Phase 1 effort, before the completion of the inspection effort. In addition, the Commission directed the staff to consider lessons learned from other security efforts, including the SFP Phase 2 effort, force-on-force exercises, and risk-informed insights from the SNL and LANL research efforts. The Phase 3 assessments were to be performed in parallel with the implementation of Phases 1 and 2.

June 8, 2005
NRC Provided Guidance to Licensees for Reactor, Containment and SFP Strategies

In a June 8, 2005 letter (ML051580090) to all licensees the NRC provided additional information related to completion of reactor, containment and SFP mitigation measures and strategies. This was superseded by a June 23, 2005 letter "Closure of Post 9-11 Nuclear Reactor Security Activities" (ML051740047) clarifying the approach to NRC's Phase 2 assessments (for SFPs) and Phase 3 assessments (for reactors and containments) and their relationship to the Phase 1 regulatory requirements and inspections.

June 23, 2005
The NRC Provided Additional Clarifying Guidance to Licensees for Reactor, Containment, and SFP Strategies.

In a June 23, 2005, letter "Closure of Post 9-11 Nuclear Reactor Security Activities" (ML051740047), to all licensees, the NRC clarified the approach to the NRC's Phase 2 assessments (for SFPs) and Phase 3 assessments (for reactors and containments) and their relationship to the Phase 1 regulatory requirements and inspections.

The letter stated that the regulatory requirements under Section B.5.b of the ICM Order constituted a specific set of licensee obligations, and as such, were to be treated in the same manner as any other NRC regulations. These obligations included compliance with specified requirements, as scheduled, and implementation of timely corrective actions for deficiencies determined by the licensee or by the NRC's oversight.

The letter also stated that the NRC's Phase 2 and 3 assessments were plant-specific assessments intended to identify further effective mitigation strategies that exceeded the scope of the February 25, 2002, ICM Order and were not regulatory requirements.

Note: The statement that some of the mitigation strategies to be identified during Phase 2 and 3 assessments would be beyond the scope of the February 25, 2002, ICM Order, and were not regulatory requirements caused much discussion and debate between the NRC and NEI during the subsequent assessments. NEI repeatedly insisted that the Phase 2 and 3 strategies were commitments only and could be changed at any time. However, the staff clarified its position when it subsequently endorsed NEI 06-12, "B.5.b Phase 2 & 3 Submittal Guideline," in December 2006 as an acceptable means of implementing the Phase 2 and 3 strategies. All licensees provided submittals to the staff describing how they planned to implement the Phase 2 and 3 strategies described in NEI 06-12. The staff reviewed these submittals and issued a safety evaluation report (SER) to each licensee endorsing these strategies as an acceptable means of meeting a set of license conditions. Consequently, establishing and maintaining these strategies became a requirement for meeting these license conditions. Therefore, failure to establish and maintain the strategy would be a violation of the license conditions and use of the strategies was an enforceable regulatory requirement.

June 24, 2005
The NRC Requested Information for the Phase 2 SFP Evaluations.

In a letter to all power reactor licensees, "Request for Information for Conducting Spent Fuel Pool Assessments" (ADAMS Accession No. ML051750006), the NRC described its plans for conducting the Phase 2 evaluations. The letter requested specific facility information and identified those areas where licensee support would be needed to complete the assessment at each facility. It also contained information regarding the NRC team members and required licensee staff support. The inspections were scheduled for the third and fourth quarters of 2005.

Note: During this period, the industry began performing its own SFP assessments to prepare for the NRC Phase 2 assessments. The NRC Phase 2 assessments were performed June through December 2005. The staff developed an assessment guideline, which the Commission reviewed.

June 27, 2005
The EDO Provided TI 2515/164 Phase 1 Inspection Guidance to the Commission.

In a memorandum (ADAMS Accession No. ML051740057), the EDO transmitted the final B.5.b inspection guidance document (TI 2515/164, "Closeout Inspection of Nuclear Reactor Safeguards Interim Compensatory Measure B.5.b") to the Commission for its review. The inspection guidance was developed in accordance with a framework document that the staff shared with the Commission on March 24, 2005. The guidance resulted from Commission SRM dated August 25 and September 24, 2004, which directed the staff to develop a program of reviews and inspections to further enhance licensees' preparedness to implement mitigative measures as required by Section B.5.b of the February 25, 2002, Order. Additionally, the TI responded to the Commission SRM dated March 31, 2005, which directed the staff to continue working with industry to promote stability with due process for necessary changes in nuclear plant security programs. Consistent with this staff requirement, the TI provided inspection requirements for those measures to be considered for implementation by licensees that were specified in the NRC guidance document dated February 24, 2005, "Developing Mitigating Strategies/Guidance for Nuclear Power Plants to Respond to Loss of Large Areas of the Plant in Accordance with B.5.b of the February 25, 2002, Order."

June 28, 2005
NSIR Issued TI 2515/164 Phase 1 Inspection Guidance for Use.

The NRC staff issued TI 2515/164 (designated as SGI) under Inspection Manual Chapter Change Notice 05-017 (ADAMS Accession No. ML051800057). Inspectors were to use the TI to verify that NPP licensees were effectively implementing the measures associated with the ICM Order. The inspection objectives were to verify that the licensees had successfully incorporated the provisions of the Order into their site strategies, to ensure that relevant procedures had been developed and implemented, and to confirm that interface agreements with offsite organizations, when required, had been developed and effectively coordinated. Resident inspectors were designated to perform the inspections at their respective sites.

To accomplish this inspection at all operating reactor sites, training for the resident inspectors was conducted before the issuance of the TI. This training took place in Region II on May 2, 2005; in Region I on May 3, 2005; in Region IV on May 23, 2005; and Region III on June 7, 2005. A separate training session was held at NRC Headquarters on August 30, 2005, for resident inspectors who were unavailable to attend the regional training sessions. Representatives of NSSP, NSIR, and RES conducted the training. The training material consisted of presentations at the OUO, SGI, and Secret level. Examples of OUO briefing slides are on file. Additionally, resident inspectors received a region-specific document during the training that listed the results of surveys conducted by the NRC to identify the location of AFFF. This document would be used during the inspections to assess licensee actions to develop mitigative measures that relied on local and regional resources.

At the time the TI was being developed, NRR was performing a licensing review, with the assistance of NSIR Emergency Preparedness licensing review staff, of licensees' response to

the February 25, 2005, letter. NRR subsequently issued requests for additional information (RAIs). The NRR/NSIR licensing reviewers adjusted the TI requirements for the sites based on the licensing review, which NSIR then used to prepare an "informed TI" for the resident inspectors. The regions then conducted the inspections for Phase 1.

Note: During fall 2005, the NRC resident inspectors at each of the 65 operating NPP sites used this TI to assess the actions taken by licensees in response to the guidance document issued February 25, 2005. An internal NRC Management Assessment Panel reviewed the results of inspections and additional information obtained from licensees to ensure that the NRC was evaluating the licensees' implementation of the guidance in a consistent manner. In January 2006, inspection reports were issued that documented the results of these inspections and conclusions of the NRC Management Assessment Panel. Issues of concern that identified the need for licensees to further enhance their mitigation strategies and measures were identified as unresolved items (URIs) in the inspection reports. The staff discussed these URIs with each licensee during the period between January and April 2006. Each licensee made commitments to the NRC to implement further mitigation strategies and measures to resolve the URIs.

June 30, 2005
The Commission Directed the Staff To Identify Critical Infrastructure.

In SRM-M050531 (ADAMS Accession No. ML051820207), the Commission directed the staff, in part, to obtain from DHS a current list of facilities that the DHS considered to be part of the critical infrastructure. The staff would then identify those facilities on this list that are within the NRC's area of responsibility, share information with DHS, and establish the necessary protocols with DHS to maintain an ongoing and mutually agreed-to list of critical infrastructure facilities that fall within the scope of NRC oversight. Additionally, the Commission directed the staff to keep the Commission fully informed of the status of the DHS comprehensive review.

June 30, 2005
The Staff Provided an Initial Assessment of Licensee Responses to the February 25, 2005, Letter.

A D-Note (ADAMS Accession No. ML051820376) documented that on June 30, 2005, the staff provided to each Commissioner's office the SGI document, "Licensee Responses to Security Order Section B.5.b Guidance—Summary of Acceptance Reviews." This summary document describes the staff's initial assessment of licensees' responses to the NRC letter of February 25, 2005. The summary document describes the interoffice team comprising NRR and NSIR staff assembled to perform the licensing review of the licensees' B.5.b responses and includes a compilation of acceptance review results. The staff noted that the licensees generally followed the NEI template in their submittals and utilized their commitment management programs to track actions and their commitments. For those mitigative measures that the licensees planned to implement with readily available resources, the significant majority of licensee actions were either completed, or committed to be completed, by August 31, 2005. Licensees considered "readily available resources" to mean equipment or resources that were

already licensee owned, under contract, or part of an existing memorandum of understanding. Measures that many licensees did not consider readily available included airlifted resources for firefighting, certain firefighting capabilities of mutual aid responders, portable diesels and transformers, a contract water supply to cool the component cooling water heat exchanger, and prestaging of water spray scrubbing equipment. Most licensee responses were very brief with minimal detail. However, the staff concluded that all responses were sufficient to continue with licensing reviews and inspections.

July 5, 2005
NEI Stated That Some Aspects of the June 23 NRC Letter Are Not Consistent with Established Regulatory Protocols.

In a letter (ADAMS Accession No. ML051880295), NEI provided the industry response to the June 23, 2005, NRC letter (ML051740047) to all licensees regarding the closure of post-9/11 nuclear reactor security activities. NEI agreed with the NRC approach for Phase 1. The letter also stated that NEI "agree[d] and [was] pleased that the letter clearly state[d] that Phases 2 and 3 are beyond the scope of the February 25, 2002, ICM Order and are not regulatory requirements." However, as discussed in detail in the letter, NEI found other aspects of the letter inappropriate because they were "not consistent with established regulatory protocols." The NEI letter also stated the following:

> [NEI was] seeking clarity and closure to B.5.b and [was] anxious to have future regulatory expectations on security matters treated consistent with the established formal regulatory processes. We acknowledge and understand that in the immediate aftermath of 9/11 it was necessary to go outside established regulatory processes. We are now almost four years past the horrific events of that day and still have not returned to the normal practices that serve us so well in other areas. Continuance of operating outside the established formal regulatory processes is particularly inappropriate for beyond design basis threat issues. In this regard, and with specific reference to the June 23 letter and all the B.5.b issues, we are sending a separate letter to the Commission requesting a safeguards meeting with all industry chief nuclear officers to discuss disposition of readily available and beyond readily available mitigation strategies identified by the NRC in the Phase 2, Phase 3 and any other future plant assessments the NRC may initiate.

Note: This is one of the many documents that describe the ongoing disagreement between the staff and NEI about whether the mitigating strategies and their implementing details should be handled as regulatory requirements or as voluntary commitments. The staff believed that the strategies should be considered regulatory requirements to ensure that they were implemented by all licensees and maintained in the future. NEI believed that the mitigating strategies and any implementing details should be considered commitments, which could be modified or deleted in the future. Subsequently, with the NRC endorsement of NEI 06-12 in December 2006 and issuance of new license conditions in mid-2007, the Phase 2 and 3 strategies became regulatory requirements.

July 5, 2005
NEI Requested a Meeting with the Commission.

NEI requested that the NRC Chairman arrange a meeting between the Commission and CNOs to discuss the agency's expectations relative to implementation of readily available and beyond-readily-available measures that were identified by NRC studies and assessments of beyond-design-basis conditions. (This letter is not in ADAMS.)

Note: Unable to agree with the NRC staff on many issues, including the definition of "readily available," the industry sought a meeting where the licensees' CNOs could discuss the issues directly with the Commission.

July 7, 2005
RES Briefed ACRS on Additional Research Activities.

This briefing of ACRS included an overview of the RES consequence assessment activities, analysis of PWR ice condenser plant (Sequoyah), analysis of BWR Mark III containment plant (Grand Gulf), isolation condenser plant assessments (Dresden 2 and 3, Nine Mile Point 1, and Oyster Creek), ongoing and emerging confirmatory fire and structural research, SFP heatup and propagation phenomena experiments, and work emerging as a result of Commission SRM on SFP undercut studies, and studies with realistic estimates of jet fuel loads on U.S. commercial flights. Some of the details of the briefing are classified as Secret NSI.

July 7, 2005
The NSSP Director Briefed ACRS on Reactor Safeguards.

The Director, NSSP, briefed ACRS on the mitigation strategy study of SFPs and reactor core/containment at NPPs. The presentation slides are on file.

July 12, 2005
The NRC Discussed the Phase 1 B.5.b Guidance Document with NEI.

The NRC staff met with NEI representatives to discuss the NPP licensees' responses to the B.5.b guidance document, transmitted in the February 25, 2005, letters. The NRC discussed its plans for reviewing B.5.b Phase 1 responses and for confirming the implementation of the licensee actions described in those responses. The meeting notice and agenda for this meeting were issued on July 7, 2005 (ADAMS Accession No. ML051880335).

July 18, 2005
SNL Reported on "What 15 Minutes Buys You."

SNL provided its report "What 15 Minutes Buys You" (designated as OUO) to the NRC staff. The NRC had asked SNL to evaluate what actions operators of commercial NPPs could take to significantly reduce the predicted consequences of a surprise attack if they received a

15-minute warning of the impending attack. This report explored pre-event actions that might be useful, including actions potentially applicable to PWRs and BWRs. This report was provided to the Phase 1 review panel for use as background information in the panel's review of the TI 2515/164 inspection results. In October 2005, the Director, NSIR, issued a memorandum (designated as SGI) to the DEDO forwarding the SNL report and indicating that the general mitigation concepts presented in the SNL report had been shared with licensees.

July 21, 2005
BNL Reported on an Aircraft Impact Analysis for Selected NPP Structures.

BNL completed a report for RES on impact analysis for selected NPP structures. BNL utilized the LS-DYNA computer code to perform aircraft impact analyses to evaluate the potential for damage to NPP structures at the point of impact. The structures selected for the assessment are the BWR SFP at the Peach Bottom plant, the PWR SFP at the D.C. Cook plant, and the prestressed concrete containment of the Oconee plant. The report is classified as Secret NSI.

July 22, 2005
The Commission Directed the Staff To List Significant Differences between NRC and NEI Positions.

In SRM-M050629B (ADAMS Accession No. ML052030523), the Commission directed the staff to (1) provide a list of significant differences between the NRC staff and the industry concerning what are considered "readily available" resources, (2) keep the Commission fully informed as Phase 2 site-specific assessments of SFPs progress, and (3) provide the proposed plan for conducting the Phase 3 site-specific assessments for the reactor cooling and containment functions.

Note: This was an attempt to encourage the staff and NEI to clarify and eventually resolve their differences with regard to the regulatory treatment of the mitigating strategies. The response to item (1) was provided on September 2, 2005, as ADAMS Accession No. ML052380166. Responses to item (3) were provided on July 26, 2005, as ML052070349 and ML052070323.

July 26, 2005
The Staff Provided the Plan for Completing Phase 3 to the Commission.

In SECY-05-134 (ADAMS Accession No. ML052070349), dated July 26, 2005, the staff provided the Commission with the plan and schedule for completing the site-specific Phase 3 reactor core and containment mitigation strategy assessments. To identify additional reactor and containment mitigation strategies, the staff planned to implement a two-track, parallel approach.

The plan for the first track was to issue a request for information (RFI), in accordance with 10 CFR 50.54(f), that would require all operating power reactor licensees to evaluate the viability of systems necessary to fulfill reactor core and containment safety functions under abnormal and severe circumstances and to identify additional readily available mitigation strategies. The plan for the second track was for NRC staff and contractors to identify beyond-readily-available mitigation strategies.

As directed by the supplemental SRM dated May 12, 2005, the staff considered the insights gained from force-on-force exercises, the previous RES analyses, and the development of the Phase 1 and 2 guidance. In addition, the results of the RES nuclear plant analyses and the site-specific insights gained from the licensee responses to the RFI formed the foundation for NRC development of further generic and site-specific beyond-readily-available mitigation strategies. These assessments began in June 2005 with the preparation requests for information and ended in June 2006 with the final report to the Commission.

July 28, 2005
The NRC Briefed the FBI on NRC Assessments of Nuclear Facilities.

The NRC briefed the FBI on NRC assessments of aircraft impacts on nuclear facilities. In a D-Note dated July 14, 2005, the staff described its plans to provide a Secret-level briefing to the FBI Weapons of Mass Destruction Operations Unit. This briefing, requested by the FBI, was presented during the unit's annual meeting in San Francisco, CA. The slides for presentation were forwarded to the Commission for approval with a note on July 19, 2005. The slides were developed from presentations previously reviewed and approved by the Commission.

July 2005
The Commission Met with Industry CNOs.

The Commission met with industry CNOs in July 2005 to discuss closure of Section B.5.b of the Order. The industry summarized its understanding of these discussions in an SGI letter from F. Bowman, NEI, to N. Diaz, NRC Chairman. NEI concluded that closure of ICM Order, Section B.5.b, would be achieved if all plants considered those good practices identified at some plants during the initial implementation of B.5.b. This initial implementation was completed in August 2002. NEI stated that all plants would then consider those good practices as part of the Phase 1 B.5.b study. NEI restated its view that the phrase "within the scope of the B.5.b guidance" specifically applies to the identified good practices. Attachment 2 to the NEI letter presented the specific good practices from the initial implementation of B.5.b that are identified in the B.5.b Phase 1 guidance for licensee consideration.

The NRC position, as stated in the letter from the Director, NRR, to power plant licensees, dated June 23, 2005 (ADAMS Accession No. ML051740047), is that, when licensees identify existing or readily available resources to meet the requirements within the scope of the B.5.b guidance, then the NRC will require, under the Order, implementation of strategies using these resources.

August 12, 2005
SNL Reported on the Vulnerability of BWR Mark I SFPs to an Aircraft Attack.

SNL prepared a letter report for RES on the vulnerability of BWR Mark I SFPs to an aircraft attack. In the report, SNL presented the results of the assessment of Browns Ferry and Peach Bottom SFPs to aircraft attacks on the SFP structures and on the support structure of the Peach Bottom SFP. The report is classified as Secret NSI.

August 16, 2005
NEI Sent a Letter to the NRC on Concerns with the NRC Review of Phase 1 Industry Submittals.

In a letter to the NRC (ADAMS Accession No. ML052340009), NEI discussed the use of a NEI-developed template to prepare responses to the NRC letter dated February 25, 2005, which transmitted the B.5.b guidance document. Further, the letter discussed industry concerns about the nature and extent of the licensing reviews being conducted by NRR. Specifically, NEI stated that it was concerned about the level of detail the NRC staff was requesting and the expansion of the licensing basis for the Phase 1 B.5.b licensing effort.

Note: The NRC responded to this NEI concern in a letter dated September 2, 2005 (ML052410275).

August 16, 2005
NEI Sent Letter to the NRC on Concerns with the Phase 2 Assessments.

In a letter to the NRC (ADAMS Accession No. ML052340012), NEI identified two concerns about the ongoing Phase 2 studies that the NRC staff began the week of July 4, 2005. The first NEI concern was the apparent "rush to judgment" that might result in a missed "opportunity for good practices" to be implemented by all sites. NEI stated its belief that no actions should be required until all studies were completed and the results fully vetted so that early sites can benefit from the good practices identified across the entire industry.

The second NEI concern was that NRC staff and the industry did not agree on what constitutes compliance with B.5.b. Feedback from some licensees during the site reviews indicated that the NRC staff was taking the position that all identified measures must be implemented to comply with the Order. NEI stated its belief that the Order does not require that all measures be implemented. For instance, where a licensee did identify and adopt one or more alternative mitigation measures for an item detailed in the Phase 1 guideline, and the follow-on Phase 2 studies identify additional readily available measures, the licensee should have the option of either revising the Phase 1 response to include or replace the identified measures in the Phase 1 response or treating the additional measures as entirely voluntary actions.

Note: The staff subsequently agreed with NEI that no action should be taken until after all the Phase 2 studies were completed. However, as described in a subsequent letter (ADAMS Accession No. ML052240422) from Chairman Diaz to NEI, the NRC disagreed that the additional readily available strategies or measures identified from either the Phase 2 or 3 strategies could be treated as voluntary.

August 19, 2005
The NRC Briefed DOE and the National Nuclear Security Administration on NRC Security Assessments.

The NRC briefed DOE and the National Nuclear Security Administration on NRC security assessment for NPPs. The briefing provided an overview of the NRC's security and safeguards responsibilities, the post-9/11 strategy to protect against threats to nuclear facilities, and the NRC's integrated response planning with DHS, U.S. Coast Guard, Federal Emergency Management Agency, FBI, the Department of Defense, and other Federal, State, and local authorities, the intelligence community, and licensees. The briefing also indicated that the NRC Chairman signed the National Response Plan on November 29, 2004. The briefing discussed NPP capabilities to withstand aircraft attacks, the NRC's analysis approach, results of assessments of PWR and BWR plants, and mitigative measures adopted by NPPs. The briefing also presented the prioritization of commercial NPPs with respect to aircraft attacks. Some of the details of the briefing are classified as Secret NSI.

August 24, 2005
The NRC Accepted the NEI Phase 3 Approach But Disagreed that Strategies Are Voluntary.

In a letter (ADAMS Accession No. ML052240422), NRC Chairman N. Diaz responded to an August 2, 2005, letter from NEI (the letter is not available in ADAMS because of the SGI attachment) which proposed a methodology for completing the Phase 3 assessments and documented the industry's understanding of the relationship of Section B.5.b of the February 25, 2002, ICM Order to the Phase 2 and 3 mitigation strategy assessments. The NRC letter stated that the staff had performed an initial review of the proposed industry methodology for licensees to conduct Phase 3 assessments and identified acceptable approaches, as well as areas that warrant further consideration. Enclosure 1 to the August 24, 2005, NRC letter outlines the latter.

In the August 2, 2005, NEI letter, F.L. Bowman also stated that "Additional measures beyond the good practices that are identified in the Phase 2 and Phase 3 studies are considered to be voluntary measures outside the scope of [Section B.5.b of the February 25, 2002, Order]." The NRC disagreed with the NEI position and stated that the Commission's position continues to be that strategies identified during the Phase 2 and 3 assessments that are evident and rely on existing readily available resources are required by the ICM Order if they fall within the scope of the B.5.b guidance issued on February 25, 2005. The NRC also stated that the results of the Phase 2 and 3 assessments would be dispositioned as shown in Enclosure 2 (ADAMS Accession No. ML052360095).

Note: Later, the use of the "evident" and "readily available" criteria for determining whether a strategy was required became moot with the NRC's endorsement of NEI 06-12. In their submittals to the NRC, all licensees agreed to implement the strategies listed in NEI 06-12. The NRC issued license conditions for each plant that required implementation of these strategies regardless of whether they were "evident" or "readily available."

September 2, 2005
The Staff Listed Significant Differences between the Staff's and NEI's Understanding of "Readily Available."

In a memorandum to the Commission (ADAMS Accession No. ML052380166), the staff responded to the July 22, 2005, SRM-M050629B (ML052030523), which directed the staff to provide a list of significant differences between what the NRC staff and the industry consider to be "readily available" resources as described in the ICM Order, Section B.5.b.

The industry's positions characterized in this memorandum are based on four primary sources: (1) licensees' written responses to the February 25, 2005, letter transmitting "NRC Staff Guidance for Use in Achieving Satisfactory Compliance with Order Section B.5.b," (2) followup calls held with individual licensees regarding their written responses, (3) meetings with NEI and SWG representatives, and (4) two letters from NEI dated August 16, 2005.

The memo provided five examples showing significant differences between the staff and industry positions. These examples involved prefabricated and prestaged equipment, regional resources, procurement of portable diesel generators and transformers, procurement of materials, and dose projection models. The memo described the staff and industry position for each example.

The staff summarized its position by stating that it would continue to assess licensee compliance with Section B.5.b of the ICM Order by using the February 25, 2005, guidance document as a basis, and in a manner consistent with the NRC staff positions as articulated in the memorandum. Also, because some licensees might have instituted measures beyond those currently docketed in formal correspondence but which could be described in forthcoming licensee supplemental documentation, the staff would await the outcome of the onsite inspections and assessments and reviews of supplemental documentation before pursuing any further regulatory action.

Note: As stated above, these issues (as well as Phase 1 mitigating strategies) were subsequently resolved by the NRC's issuance of license conditions.

September 2, 2005
The NRC Provided the Phase 1 Submittal Review Process and Explained the Use of RAIs.

In a letter (ADAMS Accession No. ML052410275), the NRC responded to the NEI letter of August 16, 2005 (ML052340009) regarding the Phase 1 licensee submittal review process. (Note that another NEI letter dated August 16, 2005, addressed Phase 2). In that letter, the Director, NRR, agreed that the staff's process for determining whether an individual licensee's enhancements for B.5.b are reasonable and adequate should be clearly articulated. These issues were at the core of the staff's decision to establish the licensing review component to supplement the B.5.b inspection activity.

The NRC letter also stated that issuing the RAIs from NRC Headquarters would achieve greater consistency throughout the regional offices since a core group of technical reviewers would evaluate each written and verbal response and judge its adequacy, rather than having individual inspectors make that determination. The second purpose of the RAIs was to obtain sufficient information so that the staff could generate a safety evaluation (SE) that addressed each expectation in the February 25, 2005, guidance document.

The August 16, 2005, NEI letter also discussed the industry's view that only 10 expectations (the best practices) contained in Section 4 of Attachment A of the February 25, 2005, guidance document were within the scope of Section B.5.b of the ICM Order. The staff did not share this interpretation. Rather, the NRC anticipated that licensees would consider all of the expectations contained in Attachment B of the NRC guidance document in order to comply with the ICM Order.

September 15, 2005
SNL Reported on Confirmatory Analytical Research on Phenomena Associated with Structural Response to Aircraft Attack.

SNL prepared a report for RES on confirmatory analytical research on phenomena associated with structural response to aircraft attack. The report covered concrete structures subjected to high temperatures, structural response of a BWR Mark I reactor building to fire-induced thermal loading, fragmentation modeling with EMU computer code, EMU computer code theory manual, and structural failure criteria as applied to a direct impact on NPP structures. The report is classified as Secret NSI.

September 21, 2005
The NRC Agreed to Share Phase 2 Results and Disagreed That Strategies Are Voluntary.

In a letter (ADAMS Accession No. ML052450152), the NRC responded to the second August 16, 2005, letter (ML052340012) from NEI regarding Phase 2 concerns. The NRC agreed with the NEI observation that it would be beneficial to continue sharing the results of the studies with industry and requiring responses to the assessments following completion of all the studies. The staff subsequently communicated this expectation to each licensee in its site-specific study report.

The September 21, 2005, NRC letter also reiterated that it "continues to be the Commission's position that strategies identified during the Phase 2 and 3 assessments that are evident and rely on existing or readily available resources are required by the ICM Order if they fall within the scope of the B.5.b guidance issued on February 25, 2005."

September 28, 2005
The NRC Met with NEI To Discuss the B.5.b Phase 1 Review Process.

The NRC staff (from NSIR, NRR, and OGC) met with NEI representatives to discuss the process that the NRC staff intended to use to complete its review of licensees' B.5.b Phase 1 responses and implementation of the NRC staff expectations. NEI provided feedback from licensees on the inspections conducted in September 2005. NEI stated that the industry position was that only the 10 best practices in the February 25, 2005, guidance document were regulatory obligations; the industry viewed the remainder of the expectations as voluntary commitments. NEI also reiterated its concerns about the scope of activities needed to demonstrate compliance with the ICM Order. The staff issued a summary of this meeting on October 21, 2005 (ADAMS Accession No. ML052920173).

October 4, 2005
The NRC Staff Provided Realistic Estimates of Jet Fuel on Commercial Flights.

The staff issued SECY-05-0180, which presented the staff's findings regarding the quantity of jet fuel normally carried on domestic U.S. commercial and large general aviation flights. The paper also presented a number of options for threat characteristics, including jet fuel loads, to be used in future security assessments and requested the Commission's approval of the staff's recommended option. The SECY is classified as Secret NSI.

October 5, 2005
The NRC Review Panel Began Its Review of TI 2515/164 Inspection Results.

The regions completed their inspections using TI 2515/164 by mid-October 2005. A B.5.b Phase 1 Temporary Instruction Review Panel reviewed the results of the TI 2515/164 inspections related to Phase 1. The Interoffice Management Review Panel met for the first time on October 5, 2005, and held its last meeting on January 20, 2006. The purpose of the review panel was to reach management agreement on individual licensees' compliance with the requirements of B.5.b of the ICM Order consistent with the guidance issued on February 25, 2005. On October 27, the staff issued a D-Note (ADAMS Accession No. ML052990138), which provided the charter for the interoffice Management Review Panel. The D-Note also indicated that a comprehensive and effective review of all 65 sites would require several months to complete because of the complexity of the reviews for each site, which entailed the evaluation of more than 30 aspects of the agency's expectations as described in the February 25, 2005, guidance. The staff stated that it expected to complete the reviews by February 2006 and would be able to report to the Commission by the end of that month. Subsequent to the panel review of the TI, the NRC staff would issue SERs to ensure licensees' commitments to their actions in response to the Order. The charter for the panel included (1) a prepanel assessment in which NSIR, with assistance from regional, NRR, and NSIR (i.e., Emergency Preparedness (EP) reviewers) licensing staff, would review all of the B.5.b Phase 1 inputs related to the TI before their presentation to the panel for the panel's final determination and (2) a B.5.b Phase 1 panel evaluation performed by management representatives from NSIR, NRR, Office of Enforcement, and regional Division of Reactor Projects (DRP). An OGC representative provided legal counsel to the panel, and the senior representative from NSIR served as the panel chairperson. Following the formation of the panel, an initial license response assessment tool was developed (October 3–6, 2005), which consisted of an assessment worksheet. However, based on the results of its initial reviews, the panel directed the NRC Phase 1 staff responsible for the inspection program to redevelop the assessment worksheet to use the acceptance criteria established by the panel for each of the 34 elements in the February 25, 2005, B.5.b Phase 1 guidance document.

On November 16, 2005, the NRC transmitted to NEI (ADAMS Accession No. ML053190430), for its information and to share with industry, the acceptance criteria established by the review panel for determining the acceptability of each licensee's responses to elements of the B.5.b guidance. The staff shared the acceptance criteria with industry, as directed by the

Commission in SRM-M051026B (ML053130332), dated November 9, 2005. (See the entry for October 26, 2005.)

Subsequent to the completion of the assessments by the review panel, NRC staff involved in the Phase 1 program wrote inspection reports for each site. The staff used a detailed inspection report template to document the panel's determination of which B.5.b guidance document elements were satisfactorily met and which were not. The areas of concern for the site were documented as URIs in the inspection report. During the week following the completion of the review panel process, the staff (NSIR, NRR, and a designated Branch Chief from each region) issued inspection reports for each of the 65 sites to convey a summary of the assessment panel results. To emphasize the importance of the TI 2515/164 inspection reports and the documented URIs, the NRC Regional Administrators held a TI 2515/164 exit meeting with the CNO for each licensee.

The inspection reports also identified those Phase 1 expectations that the staff agreed could be deferred to the Phase 2 and 3 assessments. Phase 2 would cover expectation items B.2.m.4 and B.2.m.5, while Phase 3 would cover expectation items B.2.c, B.2.d, B.2.f, one attribute of item B.5.g involving the portable diesel generator and transformer, B.2.i, B.2.j, and B.3c. Subsequently, issues involving the Phase 2 expectation items B.2.m.4 (leakage control devices) and B.2.m.5 (ventilation of the SFP area) were resolved by NEI's development of a common industry position (see the March 27, 2006, NEI letter (ADAMS Accession No. ML061790400) and the June 29, 2006, NRC letter (ML061790306)). The details in the June 27, 2006, entry involving NEI address the deferral of SFP-related mitigation measures from Phase 1 to Phase 2.

The staff met with all industry representatives on January 18, 2006, to communicate the assessment criteria and to share information on licensee practices that the staff considered to be acceptable approaches for implementing mitigation strategies that conformed to the February 25, 2005, guidance. Following the issuance of the TI 2515/164 inspection reports, the NRC staff met or held secure telephone discussions with each licensee to discuss the elements that had not met the review panel's acceptance criteria and to obtain verbal and follow up written commitments for corrective action for each element. By February 24, 2006, the staff had completed its interactions concerning the issuance of the Phase 1 inspection reports and had obtained verbal agreement on how licensees planned to resolve most of the open issues. Each licensee was to document these agreements in its response to the inspection report. The staff would meet with industry to resolve the remaining open items regarding fuel dispersal and personnel dispersal. NSIR documented this status in a February 28, 2006, EDO D-Note. One licensee required further interaction with the staff until March 29, 2006, to achieve acceptable commitments that would allow the closure of the open issues.

Subsequently, the NRC staff developed a follow up TI (2515/168, "Closeout Inspection of Nuclear Reactor Safeguards Interim Compensatory Measures—Section B.5.b of the February 25, 2002, Orders") to be used by resident inspectors to review and close the unresolved items at each site in order to complete the B.5.b Phase 1 effort.

October 19, 2005
The NRC Staff Provided a Plan and Schedule for Phase 3 Assessments.

In Commission paper SECY-05-0191 (ADAMS Accession No. ML052920218), the staff provided the plan and schedule for completing the site-specific Phase 3 assessments. The Phase 3 assessments were intended to identify additional effective reactor core and containment mitigation strategies for cooling the reactor core and maintaining containment integrity. NEI 05-07, Revision 0, "Industry Mitigation Strategy Study Guideline," issued September 2005, described the process for the assessments. Plant staff would perform the assessments with the assistance of an NEI contractor. The goal of the site-specific assessments was to identify at least one high-confidence alternative means for accomplishing each key safety function under the conditions associated with extensive plant damage.

The Commission paper also described the NRC plan to perform a two-stage independent assessment of licensees' site-specific mitigation strategy studies. In the first stage, the NRC would perform a 1-week onsite independent assessment to determine whether the licensee's assessment was well implemented. In the second stage, the NRC would implement the decision making flow chart, "Disposition of Mitigation Strategies Identified during Phase 2 and Phase 3," to determine the appropriate disposition of each mitigation strategy identified by either the licensee or the NRC. The NRC Mitigation Strategy Disposition Panel (MSDP) would ensure regulatory consistency in the determination of whether a mitigation strategy identified during the Phase 2 or Phase 3 assessments is readily available or beyond readily available, and if readily available, whether it is within the Phase 1 guidelines. Mitigation strategies required under Section B.5.b of the Order, as well as any mitigation strategies the Commission determines are necessary, would become part of the facility licensing basis.

A pilot application of the industry approach was initiated in September 2005 at the Calvert Cliffs NPP. In general, the staff concluded that the industry's approach, when conducted in parallel with an independent staff assessment, with incorporation of appropriate strategies into the licensing basis, should satisfy the Commission's expectations for enhancing reactor core and containment mitigation strategies.

October 26, 2005
The NRC Staff Briefed the Commission on the Progress of Vulnerability Assessments.

The NRC staff briefed the Commission on the progress toward closure of the phased vulnerability assessments of licensee compliance with Section B.5.b of the ICM Order. The briefing provided a status of the assessments of BWR isolation condenser plants, PWR ice condenser plants, and BWR Mark III plants. The staff provided details of the input to security assessments of BWR isolation condenser plants (Dresden 2 and 3, Nine Mile Point 1, and Oyster Creek), accident progression and mitigation analyses for these issues, and utilities' responses to address the issues. The staff discussed the details of its interactions with the isolation condenser plant licensees (inspections, phone calls, plant visits, OUO- and SGI-level briefings, and meetings); sample information provided to licensees, walkdown and analysis

findings, and individual licensee responses. The staff presented the details of the aircraft impact assessments of ice condenser and BWR Mark III plants, including accident progression and consequence analyses, mitigation analyses, utility responses, and closure plans. The staff presented the status of Phase 2 assessments (SFPs), including completion status and next steps. The staff described the status and results of structural analyses of SFPs (Browns Ferry, Peach Bottom, and D.C. Cook), status of work in progress, the status and schedule of SFP undercut studies, and future plans for assessments of the remaining SFPs. The staff presented an overview of the thermal-hydraulic analyses and experiments for SFPs. The staff also reported on the status of Phase 3 assessments (reactor core and containment) including completed items and next steps. Some of the details of the briefing are classified as Secret NSI.

On November 9, 2005, the Commission issued SRM-M051026B (ADAMS Accession No. ML053130332), which directed the staff to provide a copy of the current summary table indicating the existing or readily available mitigative strategies being used by licensees to implement the Section B.5.b requirements for the completed Phase 1 assessments. The SRM also directed the staff to provide the Commission and licensees with the current acceptance criteria for each area being reviewed during the Phase 1 assessments. In addition, the SRM directed the staff to provide information on planned and actual resources expended to accomplish the Phase 1 assessments to date and to identify any activities that had to be deferred as a result of the work on Phase 1. Subsequently, on November 10, 2005, a D-Note (ML053200016) provided the acceptance criteria package (ML053040406) and safeguards documents to each Commission Office. Attachment 3 to the D-Note was a chart describing the acceptable implementation for each B.5.b element of the TI 2515/164 inspections (an example of the chart appears in ML053030406, which gives the status as of December 22, 2005). On November 17, 2005, the staff issued a D-Note (ML053200484), which provided the information on resources being expended in accomplishing the B.5.b Phase 1 activities and identified other activities that had been deferred because of the work on B.5.b Phase 1 (ML053200497).

October 27, 2005
The Commission Issued an SRM on Demands for Information.

The Commission issued SRM-M050907A, "Discussion of Security Issues," which directed the staff to work with OGC to develop a DFI or RFI to ensure that the four key radiological protection mitigation strategies are being treated as requirements and are part of the facility's licensing basis. The SRM listed four specific key radiological protection mitigation strategies for reactor core cooling and containment integrity that are applicable to various facilities and two nonspecific strategies for SFP cooling that are applicable to all facilities. The memorandum also directed that, if needed, the staff should develop follow up action for Commission consideration once the NRC receives responses to the DFI from licensees. The SRM is designated as SGI.

November 4, 2005
The NRC Sent Letters to All Licensees Describing Plans for Phase 3 Assessments.

In a letter to all power reactor licensees (ADAMS Accession No. ML053070164), the NRC described its plans for conducting the Phase 3 independent NRC staff assessments for reactor core and containment mitigation strategies. The letter stated that the NRC assessment team would visit each site in the same timeframe as the NEI-facilitated review in order to confirm that the NEI approach, as documented in NEI 05-07, is well understood and well implemented by well-qualified staff, and to ensure the identification of appropriate mitigation strategies.

The letter also stated that during the site visit, the NRC assessment team planned to independently validate the quality of implementation of the NEI guidance, including observation of the 2-day NEI-facilitated onsite review, to confirm, on a sampling basis, that the key licensee-identified mitigation strategies are likely to be successful, and to identify, through independent evaluation, any additional strategies that may be appropriate for consideration.

Note: Unlike the Phase 2 assessments which were performed by NRC staff with licensee support, the Phase 3 assessments were performed by the licensee staff, with the NRC staff providing oversight and independent assessments. The NRC staff agreed to allow licensees to take the lead in the Phase 3 assessments partly because of the NRC staff review and approval of the process described in NEI 05-07 and observation of the pilot inspection at Calvert Cliffs.

November 8, 2005
The NRC Staff Requested That SFP Strategies Be Excluded from the DFI Letter.

COMSECY-05-0052 (ADAMS Accession No. ML053080294) responded to SRM-M050907A, discussed in the entry for October 27, 2005. The staff recommended that the RFI or DFI not include the nonspecific SFP cooling mitigation strategies because the Phase 2 assessments were already underway and including the two nonspecific SFP mitigation strategies at that time would cause confusion.

November 21–22, 2005
The NRC Met with British Representatives on Aircraft Impact Assessments.

The NRC staff met with representatives of NII to exchange updates concerning the latest U.S. and British analyses of the potential vulnerabilities associated with airplane crashes involving nuclear facilities. The briefing is classified as Secret NSI.

November 30, 2005
The Commission Approved the Issuance of DFIs without SFP Strategies.

In SRM-COMSECY-05-0052 (ADAMS Accession No. ML053340551), the Commission approved the issuance of an RFI or DFI addressing the reactor core cooling and containment integrity mitigating strategies as soon as possible but no later than December 2, 2005. In addition, the Commission approved addressing the SFP cooling mitigation strategies using the site-specific Phase 2 SFP assessments, provided that all Phase 2 reports would be issued to licensees by December 30, 2005; licensee responses would be due to the NRC by February 15, 2006; all licensee responses to the Phase 2 reports would be dispositioned by the MSDP by April 15, 2006; and any and all required enforcement actions and/or Orders would be issued no later than May 15, 2006.

December 2, 2005
The NRC Issued DFIs to Certain Power Reactor Licensees.

The NRC issued a DFI requiring certain licensees to provide information to confirm that (1) each licensee had implemented all key applicable mitigation strategies identified in the attachment(s) to the enclosed DFI, (2) licensees acknowledge that such strategies are required by Section B.5.b of the ICM Order, and (3) licensees capture such strategies in their security plan within 90 days following issuance of the NRC staff's SE.

December 6, 2005
RES Briefed ACRS on the Evaluation of BWR Isolation Condenser, BWR Mark III, and PWR Ice Condenser Plants.

The RES briefing to ACRS described the evaluation results and licensee responses for BWR isolation condenser plants; evaluation results, value of mitigation strategies, and licensee responses for BWR Mark III and PWR ice condenser plants; and the regulatory response. The briefing material is classified as Secret NSI.

December 6, 2005
RES Briefed ACRS on Confirmatory Structural Calculations for Aircraft Vulnerability.

The RES briefing to ACRS provided analysis results for direct impacts on SFPs, structural and thermal assessments of SFP support structures, and analysis of a prestressed concrete containment. The briefing material is classified as Secret NSI.

December 7, 2005
SNL Reported on an Assessment of the Support Structures of the Oyster Creek SFP.

This SNL report for RES is classified as Secret NSI.

December 9, 2005
RES Issued a Memorandum to the Commission on Confirmatory Analytical Research on Phenomena Associated with Structural Response to Aircraft Attack.

RES issued a memorandum to the Commission on the results of the staff's confirmatory research on structural calculations performed previously for the two-plant (Peach Bottom and Surry) study that characterized the potential for damage to structures from aircraft attacks. The memorandum is classified as Secret NSI.

December 12, 2005
SNL Prepared Three Reports on the Vulnerability of NPPs to Aircraft Attack.

SNL prepared three reports: "An Assessment of Two Plants (Peach Bottom and Surry)," "An Evaluation of Scenarios Involving Aircraft Impact on a Mark III NPP," and "An Evaluation of Scenarios Involving Aircraft Impact on the Grand Gulf Mark III NPP." The reports are all classified as Secret.

December 12, 2005
The Commission Directed the Staff on Imminent Threat Procedures.

The Commission held a closed-door briefing on security issues. Included in this briefing was the topic of SFP research activities. Subsequently, on December 27, 2005, the Commission issued SRM-M051212B (ADAMS Accession No. ML053610232) directing the staff to complete the work quantifying the gains achieved by the imminent threat procedures consistent with the November 15, 2005, SRM-SECY-05-0180. The SRM also directed the staff to provide at the next security briefing an update on the actions that licensees have taken in response to previously provided insights concerning loading patterns in SFPs.

December 15, 2005
The Staff Provided Phase 2 Status and Results to the Commission.

In a December 15, 2005, Commission paper (designated as SGI), the staff provided the Phase 2 status and results. The staff stated that the NSSP staff had conducted the Phase 2 independent assessments of SFPs at all operating reactors in response to SRM-M050421B (ADAMS Accession No. ML051320314), dated May 12, 2005. These assessments evaluated potential impacts on the ability to maintain SFP cooling of a range of threat-independent terrorist actions and identified potential mitigation strategies to address those impacts. Each assessment considered site-specific physical characteristics and capabilities. The NSSP teams relied on the respective site operating and engineering personnel for in-depth plant knowledge. Multiple strategies for maintaining SFP cooling were identified for each site. The expected effectiveness of each strategy varied according to the circumstances affecting the site. The NSSP assessment team further categorized the mitigation strategies as "readily available" or "beyond readily available" and distinguished the readily available strategies as voluntary or required. The staff completed all assessments by December 16, 2005, and issued for each plant a site-specific report documenting the assessment approach and results. The staff then

provided this internal report and a report on the results of the Phase 2 assessments for operating plants to the Commission.

In part because of the continuing disagreement between the NRC and industry as to whether Phase 2 and Phase 3 mitigating strategies were regulatory requirements, the MSDP later reviewed all site-specific mitigating strategies.

After issuance of the site-specific reports, the NSSP staff conducted briefings with each operating reactor site's senior management to ensure that the reports were understood and to answer questions. Concurrently, the NSSP staff provided to all licensees an industrywide summary of the differing types and breadth of SFP mitigating strategies. In the letter transmitting each site-specific assessment report, the staff asked the licensees to consider the required and voluntary strategies identified during the assessment and provide a response within 60 days of the publication date of the industrywide summary. The staff asked the licensees to evaluate any personnel safety concerns, the overall feasibility of each required and voluntary strategy, and the safety/security interface of the strategy to ensure that there would not be unintended adverse impacts on the overall safety of the plant.

In addition, the NSSP staff evaluated five decommissioning reactor SFPs and one fuel storage facility to determine whether additional mitigation strategies were warranted at these facilities. From these evaluations, the NSSP staff concluded that no onsite or additional assessments were warranted to identify mitigating strategies beyond existing measures at these facilities. This conclusion was due principally to the extended decay times and resulting low decay heat levels. The evaluation of the five decommissioning reactor SFPs and fuel storage facility was documented in a separate internal report.

December 16, 2005
The NRC Issued the SFP Phase 2 Assessment Industrywide Summary Reports to All Licensees.

The staff sent a letter (ADAMS Accession No. ML053500028) to all power reactor licensees informing them that the staff had completed the NRC plant-specific assessments for the SFPs at each operating NPP site. Each assessment included an evaluation of potential impacts on the SFP under a range of circumstances and the identification of mitigation strategies to maintain spent fuel cooling and reduce radiological releases. The staff provided a site-specific assessment report to each site in a separate transmittal letter. The NRC expected licensees to respond within 60 days of the December 16, 2005, letter.

At the request of industry representatives, the NRC staff also enclosed a summary (Enclosure 2) (ADAMS Accession No. ML053530027) of the differing types and breadth of SFP mitigation strategies identified across the industry. The summary captured generic and site-specific mitigation strategies. On December 19, 2005, in a D-Note (ML053530130), the staff provided a summary of the site-specific Phase 2 assessments.

December 22, 2005
SNL Reported on the Confirmatory Structural Analysis of the Columbia SFP.

SNL provided a report to RES on the confirmatory structural analysis of the support structures of the Columbia SFP subjected to an aircraft impact. The report is classified as Secret NSI.

December 27, 2005
RES Provided a Confirmatory Analysis of the Oyster Creek SFP.

RES issued a memorandum to the Commission on the results of an analysis of the support structures of the Oyster Creek SFP. The plant-specific assessment was conducted at the direction of the Commission in SRM-M050421B, dated May 12, 2005. The memorandum is classified as Secret NSI.

December 27, 2005
The Commission Directed the Staff on Imminent Threat Procedures.

The Commission issued an SRM directing the staff to complete the work quantifying the gains achieved by the "imminent threat procedures," consistent with the SRM of November 15, 2005.

January 6, 2006
NEI Disagreed with the NRC That Strategies Are Requirements under Section B.5.b.

In a letter (ADAMS Accession No. ML060200030), NEI responded to the December 2, 2005, NRC DFI, stating that while NEI considers these strategies to be appropriate measures for some of the plants, it does not agree that any of the measures are requirements under Section B.5.b of the ICM Order. NEI gave details of the rationale for this position in an attachment to the letter.

January 17, 2006
The NRC Staff Briefed the Commission on Phase 1, 2, and 3 Security Issues.

The NRC staff briefed the Commission on the current status of the Phase 1, 2, and 3 issues. For Phase 1, the staff noted that all TI 2515/164 inspections and comprehensive prepanel and panel assessments were completed in January 2006. The inspections were extensive and required over 60 hours per site. The inspection results indicated that implementation varied considerably from site to site. The staff noted that some positive results were identified, including the following: (1) many licensees had implemented additional strategies using newly identified regional resources, (2) some licensees had identified heavy firefighting assets, and (3) some licensees were taking steps (or planning to take steps) to ensure that spent fuel was stored in a geometry. The staff also discussed areas for improvement and the strategy for closing Phase 1. This strategy included NRC staff (1) discussing inspection and assessment results with industry at a workshop, (2) discussing open site-specific issues with each licensee, and (3) issuing inspection reports related to TI 2515/164 by January 23, 2006. To emphasize the importance of the TI 2515/164 inspection findings, the staff planned to have the NRC

Regional Administrators hold a TI 2515/164 exit meeting with the CNO for each licensee. The closure process for the Phase 1 effort would include resolving all open items. (The presentation slides used for this briefing are on file.)

As a result of the staff briefing, the Commission issued SRM-M060117 (ADAMS Accession No. ML060340208), on February 3, 2006. This SRM required the staff, in part, to provide the Commission with clarification of the criteria and the process that would be used to determine the need for any future Orders concerning mitigative strategies to permit closure of Phases 1, 2, and 3 of the "path forward." The SRM also directed the staff to evaluate the industry's proposal to provide internal and external mitigating strategies for SFP events.

January 18, 2006
The Staff Met with NEI to Discuss the Phase 1 Assessment Panel Process.

The staff met with representatives from NEI's SWG and other managers representing several licensees. The purpose of the meeting was to discuss the results of the Phase 1 assessment panel process, to explain the acceptance criteria for a number of the expectations, and to highlight measures employed by some sites that the staff deemed acceptable. The industry representatives stated that the examples of how sites had reached a closed status provided valuable information that other sites could then use to better understand what would be needed to close out the item. (For further details of the meeting's discussion, see COMSECY-06-0013 (ADAMS Accession No. ML060460551).)

January 23, 2006
SNL Reported on the Preliminary Assessment of the Columbia SFP.

SNL prepared a report for RES on its assessment of the support structures of the Columbia SFP. The report is classified as Secret NSI.

January 24, 2006
NEI Proposed a Process for the Closure of Phase 2.

An NEI letter (ADAMS Accession No. ML060260220) to the NRC provided the "Industry Proposal for Closure Process for B.5.b Phase 2." The letter stated that in December 2005, the industry convened a CNO review panel to examine the results of the industry and NRC SFP studies and determine the most effective and efficient measures for mitigating SFP damage conditions. The CNO review panel recommended a combination of internal and external strategies that provided the needed flexibility for responding to events with uncertain outcomes. The strategies included proposals to provide a makeup flow of 500 gallons per minute to the SFP from internal and external sources, including a new, independently powered portable pump, and a 200-gallon-per-minute spray from external sources. The industry endorsed this recommendation on January 11, 2006.

Note: The Phase 2 assessments identified a wide range of strategies that could be useful at some plants. The industry proposal narrowed these strategies down to the three strategies that

would be applicable to all plants, accompanied by a commitment to acquire portable, independently powered pumps. This proposal was essentially for a quid pro quo agreement on the scope of strategies to be implemented rather than a relaxation of the ICM Order. At the time, the NRC and NEI were pursuing Phase 2 and 3 strategies on separate tracks.

February 1, 2006
NEI Proposed a Template for Industry Responses to Phase 2 Assessment Reports.

In an e-mail message (ADAMS Accession No. ML060440610), NEI provided a proposed template (ML060440112) to be used by each licensee to respond to the NRC Phase 2 assessment report. This template endorsed the methods described in the January 24, 2006, NEI letter. The industry had reviewed the results of the industry and NRC SFP studies and determined that a combination of internal and external strategies, including a new, independently powered portable pump, would provide the needed flexibility for responding to events. The template also proposed that each facility would evaluate the spectrum of strategies available for accomplishing the internal and external strategies and provide a description of the final strategies and plans and schedules within 60 days of NRC approval of the industry's proposed approach. Also, any evident, readily available measures employed would constitute nonvoluntary obligations. Any nonevident or beyond-readily-available measures employed would be considered as voluntary regulatory commitments that become part of a facility's licensing basis.

Note: NEI used the template to provide further details on its plans to implement the Phase 2 strategies. This template also addressed the issue of voluntary and nonvoluntary obligations. This proposal reduced the number of SFP strategies supplying water to three and limited the purchase of equipment to one portable pump. However, the industry agreed that any evident, readily available measures employed (presumably the three strategies) would be considered nonvoluntary obligations. This came closer to the NRC position than any previous NEI position.

February 7, 2006
The Staff Provided the Commission with a Report on PWR SFP Thermal-Hydraulic Separate Effects.

The staff provided a D-Note (ADAMS Accession No. ML060390236) which forwarded the PWR SFP Thermal-Hydraulics Separate Effects Report to the Commissioner's Assistants. The report stated that the current PWR analyses helped to augment the NRC's state of knowledge on best-estimate SFP drain-down events. This work, and the earlier BWR analyses, formed the basis for the guidance that RES continued to provide for NSIR's force-on-force program, the NRR and NSIR B.5.b Phase 1 effort, and the NSSP Phase 2 efforts.

February 9, 2006
RES Provided Guidance on an SFP Loss-of-Coolant Accident.

RES issued a memorandum to NRR and NSIR on further guidance regarding the necessary flow requirements needed to mitigate an SFP loss-of-coolant accident. The memorandum is designated as SGI.

February 17, 2006
Chairman Diaz Briefed the North American Aerospace Defense Command on Protecting NPPs.

Chairman Nils Diaz briefed the North American Aerospace Defense Command (NORAD) on protecting NPPs. Most of the presentation material is classified as Secret NSI.

March 1, 2006
The Staff Reported on Progress in Ensuring Alternate Power for Hydrogen Igniters.

In a memorandum (ADAMS Accession No. ML060390122), the staff informed the Commission of the staff's progress in working with licensees to provide alternative power supplies to the hydrogen igniters to resolve Generic Safety Issue (GSI)-189, "Susceptibility of Ice Condenser and Mark III Containments to Early Failure From Hydrogen Combustion During a Severe Accident" (reference SRM-SECY-M051212B, dated December 27, 2005).

The licensees of PWRs with ice condenser containments stated that backup power supplies (large-capacity diesel generators) were available at all of the sites to power the hydrogen igniters through the plant's internal power distribution system. For licensees with BWRs with Mark III containments, the staff understood that licensees had implemented procedures for supplying power from the Division III emergency diesel generator to one of the other divisions of safety-related power distribution. The staff agreed that these capabilities would improve the likelihood of recovery from a station blackout, as well as provide alternate power to the igniters. However, even though backup power sources had been made available, the igniters still depended on the same internal electrical distribution system. Therefore, the staff concluded that the igniters were vulnerable to loss of power if the distribution system was compromised.

The staff intended to request that licensees integrate these existing capabilities to provide alternate power to the igniters into the plant's licensing basis. However, based on the outcome of recent and near-term studies affecting the safety and security interface at NPPs, at that time, the staff believed that the scope of issues affecting the addition of reliable power to the igniters had the potential to be broadened. Installation of cost-effective hydrogen control systems that are independent of the electrical distribution system offered the greatest potential safety benefit. Inasmuch as alternate power supplies satisfying the original intent of GSI-189 were already in place, the staff concluded that overall regulatory efficiency would be better served by delaying the staff's request for commitments to address GSI-189 until completion of the last phase of the ongoing safety and security review in September 2006.

March 1, 2006
The Staff Provided the Status of the B.5.b Phase 1 Program of Reviews and Inspections.

In COMSECY-06-0013 (ADAMS Accession No. ML060460551), the staff provided to the Commission the status and a confirmation of the closure approach for the program reviews and inspections (Phase 1 of the "path forward") involving Section B.5.b of the ICM Order. The memorandum updated the information review done by the staff on September 2, 2005, and the staff briefings conducted on October 26, 2005, and January 17, 2006. The memorandum noted that (1) the staff had completed its initial Phase 1 assessment of licensee compliance with Section B.5.b and issued inspection reports to all licensees the week of January 23, 2006, (2) licensees had been given 30 days to respond to the inspection reports, with their responses addressing existing or proposed new actions necessary for closure of site-specific open issues, (3) the staff had completed meetings and telephone calls to discuss site-specific open issues with each licensee on February 24, 2006, (4) the staff would evaluate licensee responses to the inspection reports and determine whether further regulatory or enforcement action (e.g., Orders) were warranted, and (5) the staff would continue to work with NEI to address the generic open items of Section B.5.b. The memorandum addressed two generic issues: licensee actions to disperse plant personnel upon an imminent threat notification, and spent fuel dispersal to the desired air coolable configuration. The development by NEI SWG of a common industry position resolved the second issue (see the NEI letter of March 27, 2006 (ML061790400) and the NRC letter of June 29, 2006 (ML061790306).

On May 11, 2006, the Commission approved in SRM-COMSECY-06-0013 (ML061310325) the staff's approach to completing Phase 1 of the Section B.5.b requirements of the ICM Order. The staff addressed two situations where new Orders could be required. The SRM stated that the Commission supports the staff position and that the staff should proceed expeditiously to complete the closure of Phase 1. If the staff believes that additional Orders should be issued to require licensees to include additional mitigation strategies in the licensing bases, the staff should inform the Commission before any such Orders are prepared. Also, the SRM discussed possible use of Orders and the possibility that the requirements of Section B.5.b may be superseded by the 10 CFR Part 73 rulemaking initiative.

March 1, 2006
RES Issued a Memorandum to the Commission on Analysis of the Columbia SFP.

RES issued a memorandum to the Commission on the results of the confirmatory analysis of the support structures of the Columbia SFP. The plant-specific assessment was conducted at the direction of the Commission in SRM-M050421B, dated May 12, 2005. The memorandum is classified as Secret NSI.

March 6, 2006
NEI Proposed Guidance for Placing Spent Fuel in a Safer Dispersed Configuration.

NEI formally transmitted by letter to the NRC (ADAMS Accession No. ML060720091) the proposed language regarding movement of spent fuel. Placing spent fuel in a safer, dispersed configuration was one of the expectations delineated in the NRC's B.5.b Phase 1 guidance. NEI requested acceptance of the enclosed guidance, which would allow the industry to move forward and close the expectation. NEI stated its belief that the industry's proposal, coupled with the industry's Phase 2 strategy, was an effective and appropriate response.

The staff, in a D-Note (ML060730266) dated March 14, 2006, informed the Commission of the March 6, 2006, NEI proposal regarding the spent fuel dispersal open item and provided the draft NRC response letter.

In its letter of March 16, 2006 (ML060690339), the NRC responded as follows to the March 6, 2006, letter from NEI

> ...[the NEI] proposal stated that where feasible and practical, consistent with safe fuel handling practices, licensees would make every attempt to pre-configure the SFP to enable direct placement of the expended assemblies from the vessel to the final distributed fuel pattern. Further, your proposal stated that where this is not feasible or practical, licensees would distribute the fuel into the final pattern as soon as possible but no later than 60 days after subcriticality absent extenuating circumstances. The staff agrees with your proposal, including the stated considerations involving extended outages for major component replacement. It is important to minimize the time that fuel is not in a favorable configuration and each licensee's efforts to achieve a favorable configuration in the shortest time is an appropriate goal that provides for improved safety for the storage of spent fuel.

Note: The current regulatory guidance for this area is promulgated in Appendix A to the B.5.b SERs for each site. The guidance states that "licensees are expected to put spent fuel in a 1 x 4 repeating pattern or equivalent unless otherwise proven to be not applicable or achievable."

March 15, 2006
The Staff Briefed the Commission on the Status of Security Activities.

In this briefing, the staff informed the Commission about the status of security activities, including an update on B.5.b Phase 1 (NSIR), Phase 2 and 3 mitigation strategies (NSSP), and the Security Research Matrix (RES). RES provided a Secret NSI briefing to the Commission on homeland security research activities. The briefing was a follow up to the December 12, 2005, Commission briefing and the December 27, 2005, SRM directing the staff to provide a matrix of boundary conditions and associated research results for the structural analyses performed by the staff. The briefing is classified as Secret NSI.

March 20, 2006
The Staff Identified Strategic Locations for the Storage of AFFF.

The staff provided a memorandum (ADAMS Accession No. ML060530525) informing the Commission of several strategic locations for the storage of AFFF or other potentially beneficial emergency response equipment, including the cases where the AFFF could service only a single site. The staff prepared this memo in response to the task assignment on November 4, 2005, from the OEDO by Green Ticket G20050759 (ML053110404).

This effort was a follow up to a previous task performed by the staff at the request of the Homeland Security Council (HSC) Policy Coordinating Committee (PCC) Integrated Response Planning for Critical Infrastructure Protection (CIP) initiative to conduct a survey of the availability of AFFF at the nation's NPPs in 2004. The "Final Report on the Availability of Aqueous Film Forming Foam (AFFF) at U.S. Nuclear Power Plants," designated as SGI, contains the results of the previous task, and the current effort used the findings of that report as a source of information. The findings of the earlier report included information about the availability of AFFF at the sites, as well as at regional, military, and industrial locations. The staff used the information during the Phase 1 Program of Reviews and Inspections for assessing implementation of readily available measures in accordance with the Phase 1 guidance document and the requirements of Section B.5.b of the ICM Order.

March 22, 2006
NRR Asked RES to Analyze the Safety Implications of Using Nonborated Water for Reactor Cooling System Injection.

NRR requested by memorandum (ADAMS Accession No. ML060480530) that RES analyze the effects of using nonborated water for PWR reactor coolant system (RCS) injection to prevent further core damage during a severe accident. Many PWR mitigation strategies identified to date involve the use of nonborated water for RCS injection. For scenarios involving loss of liquid coolant, such as leakage of reactor coolant pump seals, use of nonborated water to replace lost borated water could cause the reactor to become critical, possibly generating heat or disrupting fuel geometry, even with control rods inserted. Automatic or manual actions that cool the RCS and the xenon transient associated with the scram caused by the event may also affect the potential to become critical. NRR requested that the results of the analysis be ready

by May 21, 2006, to support the reporting of the results of the Phase 3 assessments, which were due to the Commission in June 2006.

Note: Results of this analysis indicated that the use of nonborated water for these strategies did not pose an unacceptable risk.

April 1, 2006
SNL Prepared a Report on the Potential for Secondary Collapse of BWR Mark I and II SFPs.

SNL prepared a report for RES on its analysis of the potential for secondary collapse of BWR Mark I and II SFPs. The report is classified as Secret NSI.

April 5, 2006
RES Issued a Memorandum to the Commission on Phenomena Associated with Fires Following Aircraft Attack.

RES issued a memorandum to inform the Commission of the results of the staff's confirmatory fire research program addressing key uncertainties in the analyses of fires following postulated aircraft attacks on NPPs. The enclosures include the following SNL reports, all issued February 2006: "Experiment Report for Burning Liquid Fuel Spread in a Multi-Level Structure"; "The Long-Term Environment and Thermal Response of a Representative Structure Induced by Jet Fuel Fires from Scenario-Specific Events"; "Pipe System Failure Due to Fire"; and "Vulcan Simulations of ICFMP Benchmark Exercise 4, Test 3." The memorandum is classified as Secret NSI.

April 5, 2006
The NRC Staff Briefed ACRS on Homeland Security Research Activities.

Most of the presentation material of this staff briefing is classified as Secret NSI.

April 6, 2006
RES Briefed NRR and NSSP on the Analysis of Oyster Creek SFP Support Structures.

The RES briefing to NRR and NSSP on the results of an analysis of the support structures of the Oyster Creek SFP is classified as Secret NSI.

April 11, 2006
The NRC Briefed PWR Vendor AREVA.

RES briefed the PWR vendor AREVA on the NRC actions to protect public health and safety after the 9/11 events. The briefing provided an overview of the NRC's security and safeguards responsibilities, the NRC's post-9/11 activities to protect against threats to nuclear facilities, DBT and additional security requirements, integrated response planning, actions to prevent airborne threats, NPP capability to withstand aircraft attacks, results of assessments conducted for PWR dry and ice condenser containments and control structures, SFP consequence analyses, summary of NRC actions, and the "path forward." Many of the details of the briefing are classified as Secret NSI.

April 14, 2006
The Staff Requested Approval for the Deletion of the Phase 2 Schedule and Accepted the Industry Proposal for SFP Strategies.

In a memorandum (ADAMS Accession No. ML060860442), the staff provided a partial response to SRM M060117 and requested Commission approval for the deletion of the Phase 2 schedule of activities directed in the SRM for COMSECY-05-0052, dated November 30, 2005. This memorandum presented the staff's evaluation of the industry proposal to provide "internal" and "external" mitigating strategies for SFPs. The industry made this proposal in the NEI letter of January 24, 2006 (ML060260220), discussed above. The staff considered the industry proposal to be acceptable. However, acceptance for individual facilities would depend on evaluation of site-specific mitigating strategy details and inclusion of the deferred Phase 1 strategies for damage control and enhanced ventilation.

Note: The staff responded to the NEI letter of January 24, 2006, by letter on June 15, 2006 (ML061650079).

April 24, 2006
ACRS Agreed That Staff Activities Are Enhancing Security and Recommended That Backup Power Be Provided for Hydrogen Igniters.

In a letter to Chairman Diaz (ADAMS Accession No. ML061150620), G.B. Wallis, Chairman of ACRS, discussed the April 5–7, 2006, meeting with the staff to address its recent security-related research and associated activities. ACRS concluded that the staff's activities provide an adequate basis for enhancing security at existing NPPs; ongoing work by the staff is addressing the Committee's past recommendations to an appropriate level of detail; and the plant-specific mitigation strategy assessments are producing valuable insights for use in enhancing site preparedness to respond to security events.

ACRS also recommended that a means of providing backup power to igniters should be required at PWRs with ice condenser containments and BWRs with Mark III containments, the staff should develop evaluation criteria for the selection of mitigating strategies, and the pilot studies performed for existing plants should be extended to examine the potential for increasing

the robustness of new plants for security events and for including security considerations in the design certification process.

Note: ACRS gave its approval of staff actions taken thus far and encouraged the staff to continue it efforts to ensure that backup power is provided for hydrogen igniters and to ensure that lessons learned are applied during the licensing of new reactors.

April 25, 2006
SNL Reported on the Vulnerability of NPPs to Aircraft Attack.

SNL prepared for RES the report "Vulnerability of NPPs to Aircraft Attack: Consequences Analyses." The report documents a study of the potential consequences of an aircraft colliding with an NPP at the Surry and Peach Bottom power stations. The report presents the health consequence analyses and results. SNL used the MACCS2 code to perform all of the analyses in the report. The report is classified as Secret NSI.

April 26, 2006
RES Issued a Memorandum to the Commission Regarding Boundary Condition Assumptions Relating to the Detailed Plant Analyses.

RES issued a memorandum to the Commission that provided a set of matrices describing the boundary conditions and associated results for the detailed plant analyses. The Commission had directed the conduct of this work in SRM-M051212B, dated December 27, 2005. The matrices provide information on plants analyzed, structural parameters of plants, aircraft parameters, and the results. The memorandum is classified as Secret NSI.

May 15, 2006
NEI Reported the Phase 3 Results and Proposed a Plan for Closure.

In a letter (ADAMS Accession No. ML093290158) to L.A. Reyes, EDO, M.S. Fertel of NEI stated that, while studies had demonstrated that nuclear facilities are extremely robust structures and that the redundancy and diversity requirements of the existing safety regulations also provide substantial margin for ensuring protection of public health and safety, nevertheless, the industry had significantly increased its security and response capabilities since September 11, 2001. NEI concluded that only the very low-probability; most extreme attacks significantly challenge these capabilities. Nevertheless, the industry has worked to identify further enhancements to its capabilities to address these far beyond design-basis threats.

Enclosure 1 (designated as SGI) of the letter provided the final industry report on the B.5.b Phase 3 studies. This report summarized the overall project, as well as the insights communicated to the industry CNO B.5.b review panel for its consideration in formulating a closure plan for the Phase 3 studies.

Enclosure 2 of the NEI letter provided a white paper describing the industry's proposal for closing Phase 3. The paper included both the technical and regulatory characteristics that NEI

believed were appropriate for achieving closure. NEI provided Enclosure 3 to meet the NRC's request that industry identify a generic set of equipment for responding to severe conditions at a nuclear plant that could be part of a federally funded regional response capability to support the nation's critical infrastructure.

After reviewing the results of the industry Phase 3 studies, the industry CNO review panel determined that an approach similar to that used in Phase 2 would be the most efficient and effective way to achieve success for a spectrum of potential scenarios. Since several of the Phase 3 proposed enhancements rely on the Phase 2 external pump, it would be necessary to determine the acceptability of the industry's Phase 2 approach in order to proceed with Phase 3. It was each licensee's intent to send a letter to the NRC committing to the industry proposal upon formal notification to NEI of the proposal's acceptance by the NRC.

Note: NEI was now agreeing to further enhancements to address the Phase 3 assessments. It proposed a closure process for Phase 3 that was similar to that approved for Phase 2. At this point, the Phase 2 and 3 paths were still on separate but parallel paths.

May 19, 2006
NSIR Issued a TI for Conducting Closeout Phase 1 Inspections.

The NRC staff issued TI 2515/168 (designated as SGI). This TI was issued as Inspection Manual Chapter Change Notice 06-012 (ADAMS Accession No. ML061390158). The staff prepared this TI at the direction of the TI 2515/164 Management Review Panel that reviewed inspection findings. The purpose of the TI 2515/168 inspections was to confirm that NPP licensees had effectively completed their verbal and written commitments to close the unresolved items that resulted at each site following the Management Review Panel assessments of the results of the TI 2515/164 inspections.

The resident inspectors performed these inspections at their respective sites. NSIR provided a unique site inspection report template to each resident inspector office. This template provided details of the open Section B.5.b guidance document elements, as well as the description of licensee closure action commitments and the corresponding confirmatory inspection requirements that would be needed to close the open issues. Depending on licensee commitments for implementation of additional mitigative measures to address the open issues at a site, the inspections were scheduled to start as early as June 2006, with the last inspections expected to be completed by December 2006.

TI 2515/168 provided generic guidance on acceptable methods, along with staff acceptance criteria, for satisfying Phase 1 items. This guidance was included in the TI to provide inspectors with an overall understanding of the considerations used by the panel to arrive at its determinations; as well as to highlight to licensees the various alternative methods for satisfying the requirements. Although the acceptance criteria had previously been communicated to licensees, this marked the first publication of generic guidance explaining the reasoning behind the criteria. This generic guidance was carried forward and appears in Appendix A of each site-specific B.5.b closure safety evaluation.

May 31, 2006
RES Issued a Memorandum to the Commission on the Confirmatory Analysis of Two SFP Support Structures.

RES issued a memorandum to inform the Commission of the results of the staff's confirmatory analysis of the two SFP structures subjected to a postulated aircraft attack. The Commission had directed the conduct of this plant-specific assessment in SRM-M050421B, dated May 12, 2005. The memorandum is classified as Secret NSI.

June 1, 2006
SNL Briefed Chairman Diaz on the Assessment of SFPs.

SNL provided a Secret-level briefing to Chairman Diaz at SNL on security assessments of SFPs. In the briefing, SNL summarized the history of the Vulnerability Program, its cost, major technical analyses performed, and assessment results. The briefing material is classified as Secret NSI.

June 5, 2006
The NRC Issued a Communication Plan for Issuing Orders to Certain Licensees.

In a memorandum (ADAMS Accession No. ML061520135) to OEDO, the Director, NRR, forwarded a communication plan to inform stakeholders of the issuance of Orders to certain operating reactor licensees related to the DFI regarding implementation of Section B.5.b of the ICM Order. This communication plan stated that on December 2, 2005, the staff issued a DFI to most NPP licensees, which identified applicable mitigation strategies and required each licensee to provide information to (1) confirm that the identified strategies were applicable to their site, (2) confirm that licensees had implemented all key applicable mitigation strategies identified in the DFI, (3) acknowledge that these mitigation strategies are required by Section B.5.b of the February 25, 2002, Order, and (4) confirm that licensees will capture such strategies in their security plans within 90 days following issuance of the NRC staff's SE.

In most cases, for each of the strategies, licensees indicated that the strategy (1) was applicable and (2) had been or was being implemented, including development of procedures and staff training. However, licensees took the position that these strategies were being implemented voluntarily and were not considered a regulatory requirement under the February 25, 2002, Order. NEI described this position in a letter to the staff dated January 6, 2006.

The staff completed its review of the DFI responses and recommended to the Commission that the NRC issue Orders for each of the four mitigating strategies to ensure that the strategies are incorporated into the licensing basis for the NPPs. The staff recommended that the Orders be issued simultaneously for all four mitigating strategies.

Note: DFIs were issued to only some of the reactor sites for whom these issues were considered most important. Based on the staff's review of the licensee responses to the DFIs,

the NRC issued Orders to some licensees to address these issues. As a consequence, license conditions were added to the licenses for some reactor sites but were not considered necessary for other sites. However, all sites subsequently committed to the implementation of NEI 06-12, which also required that these issues be addressed.

June 6, 2006
The Staff Briefed the Commission on NEI-Proposed License Conditions and Provided a Phase 1 Cross-Reference.

On June 6, 2006, at a meeting between senior NRC and NEI staff, NEI informally provided proposed license conditions that it believed would capture the requirements delineated in Section B.5.b of the ICM Order. The NRC staff discussed these proposed license conditions with the Commission at the closed meeting held on June 7, 2006, to address security issues. The briefing slide package, which provided an update of Phase 1 activities as well as the status of Phase 2 and 3 activities, included the license conditions. During the Commission meeting, the staff committed to providing a cross-reference of all B.5.b guidance elements with the NEI proposed license conditions. The staff developed this cross-reference and gave a copy to NEI for its review and comment. On June 9, 2006, the NRC staff distributed a D-Note (ADAMS Accession No. ML061600457) that provided the cross-reference of all B.5.b guidance elements with the NEI proposed license conditions. The staff indicated in the D-Note that it was waiting for the NEI response to the staff's actions and expected that NEI would formally respond to the NRC in the near future.

June 7, 2006
RES Briefed the Commission on the Benefits of Imminent Threat Procedures.

RES provided a briefing on quantifying the benefits of imminent threat procedures. The briefing included a discussion of the background, SRM guidance on imminent threat procedures, elements of the staff's plan that had been implemented, quantification of benefits, and timing of accident progression for various specific systems. The briefing material is designated as SGI.

June 13, 2006
The Commission Directed the Staff on Updating SAMGs and EDMGs and Coordinating SFP Strategies.

In SRM-COMSECY-06-0021, "Partial Response to Staff Requirement Memorandum M060117, Discussion of Security Issues and Request for Schedule Change" (ADAMS Accession No. ML061640229), the Commission directed the staff to (1) ensure that the already identified mitigating strategies are being incorporated in the licensee's SAMGs and extensive damage mitigation guidelines (EDMGs), or appended to other appropriate site implementation guidance, and (2) ensure that each licensee's proposed SFP cooling strategies are coordinated with its commitments to managing spent fuel configurations in the pool.

June 15, 2006
The NRC Accepted the NEI Proposal for Closing Phase 2.

In a letter to NEI (ADAMS Accession No. ML061650079), the Director, NRR, stated that the NRC staff had reviewed the NEI proposal for closing Phase 2 and agreed that providing both internal and external strategies was highly desirable, considering the uncertainty of postulated events, and would be acceptable pending review of site-specific implementation plans. Previously, in a Commission memorandum dated April 14, 2006 (ML060860442), the staff had recommended approval of the January 24, 2006, NEI proposal for closing Phase 2. As for the regulatory aspects of this issue, those portions of the internal and external mitigation strategies identified during the Phase 2 assessments that utilize reasonable, evident, readily available measures and that fall within the scope of the B.5.b guidance issued on February 25, 2005, were required pursuant to Section B.5.b of the ICM Order. Portions of the internal and external mitigation strategies that use beyond-readily-available resources would be treated as commitments, which become part of the licensing basis of the plant.

The June 15, 2006, letter also stated that the NEI proposal reasonably justified the exclusion of those additional strategies identified during the NRC Phase 2 assessments from formal regulatory controls that would have originally been required under Section B.5.b of the Order. The letter also stated that the site-specific implementation of the proposed internal and external strategies, appropriately referenced in site security plans or other appropriate regulatory documents, would provide an acceptable approach to satisfying Phase 2 aspects of Section B.5.b of the Order.

Note: The NRC considered the proposal in the NEI letter to be acceptable for the specified purposes and consistent with the safety objectives of the mitigation strategy program. However, acceptance for individual facilities would be conditional upon staff evaluation of site-specific implementation and documentation of the proposed strategies. At this time, Phases 2 and 3 continued on separate paths.

June 16, 2006
NEI Understood Phase 1 Items To Be Complete and Provided an Acceptable Proposal for Closing Phases 2 and 3.

In a letter (ADAMS Accession No. ML061720325), NEI stated the industry understanding of the status of closure of each phase of Section B.5.b. (Note: ML061770542 documents the Green Ticket G20050594 issued to NRR in coordination with NSIR.)

For Phase 1, the industry understood that all licensees had met the NRC staff expectations for acceptable implementation of Phase 1 items, except those deferred to Phases 2 and 3, and that the NRC staff was in the process of drafting SERs. To delineate Phase 1 requirements from commitments, the industry provided a draft of a license condition that would clearly describe the scope of requirements under the Order, including items deferred from Phase 1 to Phases 2 and 3. Details of commitments found to be an acceptable means of meeting the license condition would be treated in accordance with the NRC-endorsed NEI 99-04, "Guidelines for Managing NRC Commitment Changes," issued July 1999 (ADAMS Accession No. ML003680088).

For Phase 2, the industry submitted its proposal for enhanced SFP mitigation measures in a January 24, 2006, letter to L.A. Reyes, NRC, from M.S. Fertel, NEI. The Director, NRR, accepted this proposal in a letter dated June 15, 2006 (ML061650079), which also required that two items deferred from Phase 1 to Phase 2 be addressed. Based on its current understanding of these two Phase 1 items, the industry stated its intention to respond generically that these items do not add value given the significantly greater benefits afforded by the industry proposal. The industry would provide the technical and practical bases for this position by June 23, 2006. Subsequently, in a letter dated June 27, 2006, to W. Kane, DEDO, NEI provided the industry position and its basis for deferring items from Phase 1 to 2 (leakage control devices and ventilation of the SFP area).

For Phase 3, the proposal submitted by the industry on May 15, 2006, provided a flexible set of strategies for addressing key safety functions important to maintaining core cooling and containment integrity. The industry restated its belief that the strategies identified in the industry Phase 3 proposal are beyond the scope of Section B.5.b of the ICM Order because these available strategies were not "evident." Nonetheless, consistent with satisfying the intent expressed in Chairman Diaz's letter of August 23, 2005, the industry planned to voluntarily implement its Phase 3 proposal upon notification of the proposal's acceptance by the NRC.

The NRC staff's preliminary review of the Phase 3 proposal identified a few additional items that it provided to NEI for its consideration. NEI stated that it would evaluate these additional items and submit a revised Phase 3 industry proposal by June 26, 2006. NEI also discussed the formal closure process for all phases and stated its belief that the concept of a license condition appeared to have merit. NEI disagreed with the staff position that the Phase 2 and Phase 3 strategies are requirements under the February 2002 Order. It stated that the proposed license condition contains language that captures the intent of Phases 2 and 3. As with Phase 1, NEI would treat the implementing details as regulatory commitments, not regulatory requirements.

Note: The potential for issuance of the DFI Orders may have spurred the industry to propose the license condition, which added slightly more detail than the original text of Section B.5.b. The implementing details would be handled as commitments. This, along with the proposal to purchase the Phase 2 portable pump, which was beyond readily available, was sufficient to convince the staff to agree with the industry proposal.

In its June 16, 2006, letter, NEI also recommended that the NRC, upon formal acceptance of the industry approaches for Phases 2 and 3 and implementation of the license condition, issue letters rescinding Provision B.5.b of the February 2002 Order.

June 19, 2006
RES Agreed To Perform a Consequence Study for External Spray Scrubbing of Releases.

In a memorandum (ADAMS Accession No. ML061660443), RES agreed to integrate User Need Request NRR-2006-004 on external spray scrubbing into the State-of-the-Art Consequence Study upon approval from the Chairman. It was envisioned that external water spray would be used to mitigate the consequences of a severe accident. Such a water spray could be deployed to the area outside the building from which the release is emanating, started, and left unattended to avoid the expected high-radiation levels associated with the release. Accordingly, as part of B.5.b-related activities, licensees have purchased and stored such equipment or have identified such equipment at nearby fire stations.

To perform this study, RES required a detailed description of existing external water spray capabilities at NPPs to better evaluate their effectiveness in scrubbing an ongoing release. Therefore, RES requested that NRR provide the necessary information for Surry, Peach Bottom, Grand Gulf, and Sequoyah that would enable RES to perform a realistic analysis of spray effectiveness for these four plants using existing MELCOR modeling and results. RES also requested that the same information for the remaining plants be provided, so that it can ensure that the results for these four plants are relevant and representative for the industry. Alternatively, NRR could confirm that the information from these four plants is representative for the industry.

Note: The Phase 3 assessments identified many strategies that could be used to mitigate the consequences of a severe accident. However, most of these strategies were considered "low confidence." At many sites, the NRC MSDP judged only one strategy, the use of portable sprays to scrub releases, to be "high confidence." This meant that the panel considered that for most postulated damage states, there was high confidence that this strategy could be deployed. However, this did not mean that the panel thought this strategy would be effective in reducing releases. Therefore, NRR asked RES to perform the consequence study.

June 20, 2006
The NRC Issued Orders to Certain Licensees Requiring Implementation of Key Radiological Protection Strategies.

The Director, NRR, issued Order EA-06-137 (ADAMS Accession Nos. ML061600023 and ML061600076; the package is ML061600130) to certain operating power reactors. This Order stated that, as a result of the Commission's continued assessment of Section B.5.b mitigation strategies for the loss of large areas of the plant due to large fires or explosions, the Commission had determined that it was necessary to require implementation of certain key radiological protection mitigation strategies. These strategies, set forth in Attachment 2, which was designated SGI, were required to be completed and implemented within 120 days of the date of the Order. Each licensee was required to amend its site security plan, safeguards contingency plan, guard training and qualification plan, and emergency plan as appropriate to address the key radiological protection mitigation strategies identified for its facilities.

Previously, on February 25, 2002, the Commission had issued an Order to all operating power reactor licensees that required certain interim compensatory measures to be implemented (the ICM Order). On December 2, 2005, the Commission issued a DFI to certain power reactor licensees. The DFI required responses regarding whether certain identified key mitigative strategies, related to Section B.5.b of the ICM Order, for loss of large areas of the plant due to large fires or explosions, were applicable to the licensees' facilities. The DFI also required certain related information, including whether the licensees acknowledged that the identified key strategies were required by Section B.5.b of the ICM Order. All licensees responded to the DFI with the required information, but all responses stated that the strategies were not required by Section B.5.b. The NRC believed that the identified key mitigative strategies should be required at some of the plants and therefore issued Orders to ensure that these strategies were implemented and maintained.

Subsequently, on August 28, 2006, the NRC commented on Order EA-06-137 by letter (ADAMS Accession No. ML062300304). The letter stated that the NRC had determined that, instead of incorporating the required strategies in the security plan, or safeguards contingency plan, or guard training and qualification plan, and/or emergency plan, a license condition would be sufficient to satisfy the Order's substantive requirements. The NRC asked licensees to agree to have their license amended to include the license condition. Upon receipt of licensee response indicating agreement, the NRC would issue a conforming amendment to the license to incorporate the license condition.

Note: The June 20, 2006, Orders to implement certain key radiological protection mitigation strategies were sent only to certain sites. However, these strategies were subsequently included in the NEI 06-12 Phase 2 and 3 submittal guideline. Since all licensees agreed to implement the strategies in NEI 06-12, these key radiological protection mitigation strategies became requirements for all sites, not just those that received the June 20, 2006, Orders.

June 21, 2006
The NRC Agreed with the NEI Proposal for Closing Phase 2.

The NRC sent a letter (ADAMS Accession No. ML061670153) to all holders of licenses for operating power reactors informing them, as indicated in the NRC letter to NEI dated June 15, 2006 (ML061650079), that the NRC agreed in principle with the industry proposal for closing the Phase 2 assessment of SFPs, pending review of site-specific details of its application and implementation.

June 27, 2006
NEI Responded to NRC Approval of the NEI Plan for Implementing Phase 2.

In a letter (ADAMS Accession No. ML061790400), NEI responded to the June 15, 2006, NRC letter, in which the NRC had accepted the industry proposal for closing Phase 2. NEI agreed that the internal strategy was considered readily available and therefore required under the February 25, 2002, Order.

The NEI letter also stated that two items (premade leakage control devices and ventilation of the SFP area) deferred from Phase 1 to Phase 2 did not add value, given the significantly greater benefits afforded by the industry proposal. NEI provided an enclosure stating its technical and practical bases for this generic determination. NEI also stated that it would prepare an industry template for use in submitting the Phase 2 site-specific information requested in the site-specific NRC letters of June 21, 2006.

The NEI letter also provided a copy of a draft license condition that the industry believed would capture the B.5.b requirements delineated in the ICM Order. NEI also stated that the details of commitments found to be an acceptable means of meeting the license condition would be treated in accordance with the commitment management guideline in NEI 99-04. NEI stated that, with submittal of this letter, Phase 2 should be closed.

Note: The staff did not agree that Phase 2 should be closed. The staff agreed only that the process proposed by NEI appeared to be acceptable. Phase 2 would not be closed until each site had implemented the Phase 2 SFP strategies and the NRC had verified the implementation by an onsite inspection.

June 27, 2006
NEI Submitted a Proposal to the NRC for Closing Phase 3.

In a letter (ADAMS Accession No. ML061860753), NEI submitted a proposal for closing Phase 3. Previously, on June 15, 2006, NEI had provided the NRC with the final industry report on the Phase 3 studies. The report summarized the overall project, as well as the insights communicated to the CNO B.5.b review panel for its consideration in formulating a Phase 3 closure plan. This plan included both the technical and regulatory characteristics that NEI believed to be appropriate for achieving closure.

The NRC staff reviewed the licensee approach and found it generally acceptable. The staff provided 10 additional considerations for achieving closure. NEI met with the NRC staff and discussed each item in detail. NEI agreed to further evaluate two items. The first item, specific to PWRs, involved installation of a passive containment vent line. NEI stated that this item was already covered in plant-specific SAMGs that address the use of containment venting to prevent containment failure. The second item was a BWR strategy for flooding the drywell, which NEI agreed to include in the industry Phase 3 position.

NEI enclosed a table showing the disposition of the 10 additional considerations and a revised Phase 3 position paper. The letter stated NEI's belief that, with the submittal of this letter, Phase 3 should be closed.

Note: The staff did not agree that Phase 3 should be closed. The staff agreed only that the process proposed by NEI appeared to be acceptable. Phase 3 would not be closed until each site had implemented the Phase 3 reactor and containment strategies and the NRC had verified the implementation by onsite inspection.

June 28, 2006
The Commission Provided Direction to the Staff on New Reactors, the Insider Mitigation Program, Lessons Learned, Capturing B.5.B Requirements, and Hydrogen Igniters.

In SRM-M060607 (ADAMS Accession No. ML061790554), the Commission directed the staff to note the following: (1) the staff should brief the nuclear reactor vendors of current and proposed designs on the insights gained from assessments of SFP and reactor and containment mitigating strategies, (2) the staff should consider reclassifying the requirements for an insider mitigation program as Nonsafeguards Information, (3) the staff should brief the Commission after completion of the lessons-learned evaluations and benchmarking effort on the insider mitigation program, and (4) the staff should work expeditiously with stakeholders to establish an effective method of capturing the B.5.b requirements in each plant's license, security plan, or other appropriate regulatory document and other voluntary commitments in the licensee's commitment management program.

The Commission also directed the staff to promptly proceed to require BWR Mark III and PWR ice condensers to have additional nonsafety-related power supplies for containment hydrogen igniters to close out GSI-189. In conjunction with providing its report on the assessment of the benefits achieved by implementing imminent attack procedures, the staff should brief industry on the significant benefits of mitigating or preventing the consequences of such an attack by employing the procedures.

June 29, 2006
The NRC Responded to Industry Proposals for Closing Phases 1, 2, and 3.

In a letter (ADAMS Accession No. ML061790306), the Director, NRR, provided the staff's response to the industry's proposals regarding Phase 1 of Section B.5.b of the Order, as well as Phases 2 and 3. NEI documented these proposals in a letter dated June 16, 2006, and two letters dated June 27, 2006. In summary, the NRC letter of June 29, 2006, stated that the staff considered the proposals for closing Phases 1, 2, and 3 contained in the NEI letters to be acceptable for the specified purposes and consistent with the safety objectives of the post-9/11 security enhancement programs. However, acceptance for individual facilities was made conditional on staff evaluation of site-specific implementation and documentation of the proposed Phase 2 and 3 mitigating strategies.

For Phase 1, the staff agreed that the proposed license condition to clearly describe the scope of requirements under the Order, including items deferred from Phase 1 to Phases 2 and 3, was an appropriate way to describe in each license the types of strategies required by Section B.5.b of the Order. While the staff did not agree with all the technical arguments that NEI provided, the staff accepted the proposals regarding Phases 2 and 3 as sufficient. As for the regulatory aspects, those portions of the mitigation strategies identified during the Phase 2 and 3 assessments that utilize reasonable, evident, and readily available measures (as identified in the February 25, 2005, guidance document) were required pursuant to Section B.5.b of the Order and therefore are included within the items described in the proposed license condition.

Other mitigation strategies not included in this guidance were not required by Section B.5.b of the Order. Mitigation strategies that use beyond-readily-available resources would be treated as commitments, which become part of the licensing basis of the plant.

The staff also stated its belief that the NEI proposals reasonably justify the exclusion from formal regulatory controls of those additional strategies identified during the Phase 2 and 3 Assessments that the NRC had previously deemed to be required under Section B.5.b of the Order.

The NRC based its acceptance of the NEI proposal on the understanding that the details of the required strategies would be implemented by commitment and managed in accordance with NEI 99-04.

The staff concluded that strategies managed as commitments by NEI 99-04 do not warrant notification prior to change. The staff also agreed with the NEI proposal that additional strategies identified during Phases 2 and 3 that are deemed acceptable and valuable to promote diversification and survivability would be incorporated into licensees' SAMGs and EDMGs or be appended to other site implementation guidance.

Note: The staff agreed that the proposed license condition was an appropriate way to describe which strategies were required by Section B.5.b of the Order. This included strategies that use reasonable, evident, and readily available measures. However, the implementing details of

these required strategies could be handled as commitments. In addition, other strategies not required by the Order and their implementing details would be handled as commitments. This was a significant step forward in reaching agreement between the NRC and NEI positions on regulatory treatment of the B.5.b strategies.

Note: This letter was issued the day before the term of Chairman Diaz expired on June 30, 2006.

June 30, 2006
Commissioner Jaczko Directs the Staff To Thoroughly Review the NEI Proposals.

In the memorandum COMGBJ-06-0004 (ADAMS Accession No. ML061810386), Commissioner Jaczko noted the following:

> [a]t this stage, the Commission has reviewed and approved the methodology the industry is using to meet the Phase 2 effort by approving related agency correspondence in a June 13, 2006 Staff Requirements Memorandum. On June 16, 2006, and June 27, 2006, the NRC received additional correspondence from Marvin S. Fertel, Senior Vice President and Chief Nuclear Officer for the NEI, which outlined the industry's proposed resolution to the remainder of this effort.

The Commissioner recommended the following action:

> Consistent with its established process for resolving issues associated with this important NPP security program, the staff should be directed to thoroughly review the correspondence and provide a detailed analysis of the NEI proposal. The focus of the analysis should be on how the proposal offered by NEI meets the requirements and policy of the Commission, any areas where it may fall short of the Commission's expectations, and recommendations regarding any necessary changes to the proposal that will allow licensees to fully implement, complete, and close this effort in a manner acceptable to the NRC. The Office of General Counsel should participate in this review to assist in the determination of how consistent the proposal is with established Commission policy in this area.

July 12, 2006
The Staff Completed Its Thorough Review of NEI Proposals in Response to Commissioner Jaczko's Direction.

In a D-Note (ADAMS Accession Nos. ML061940064 (package) and ML061940067), W. Dean provided the staff's thorough review and assessment of the NEI proposals for closing Phases 1, 2, and 3. This included adding license conditions to capture the B.5.b requirements, address items deferred from Phase 1 to Phase 2, and add generic mitigative strategies for Phase 3 (ML061930290). A table that cross-references the NEI Phase 3 generic mitigation strategies with the February 25, 2005, B.5.b guidance document was also enclosed (ML061930299). The

staff concluded that the closure process described in the enclosure was consistent with Commission-established policy and requirements and the goals of the Phase 2 and 3 mitigation strategy assessments. OGC participated in the development of this assessment and assisted in the determination that the staff's conditional acceptance of the NEI proposals is consistent with Commission policy in this area.

July 17, 2006
The NRC Staff Provided the Results of the Staff's Independent Phase 3 Assessments.

In Commission paper SECY-06-0158 (ADAMS Accession No. ML061910624), the EDO provided the results of the staff's independent, site-specific assessments of reactor core and containment mitigation strategies (Phase 3) and information on resources expended to accomplish Phase 3. The paper stated that the industry had recently completed Phase 3 studies of reactor core and containment mitigation strategies at all operating NPP sites. In parallel, the NRC staff had performed an independent Phase 3 assessment at each site. The staff concluded that these studies and assessments had identified an appropriate spectrum of candidate enhancement strategies at each site. These strategies were intended to prevent and delay core damage, prevent containment failure, and reduce radiological releases.

As described in its letter of June 29, 2006 (ML061790306), the staff had agreed to the NEI proposal for closing Phases 1, 2, and 3. The NEI proposal involved the use of a license condition to describe in each license the types of strategies required by Section B.5.b of the February 25, 2002, Order, including items deferred from Phase 1 to Phases 2 and 3.

Acceptance for individual facilities was made conditional upon staff evaluation of site-specific implementation and documentation of the proposed Phase 2 and 3 mitigating strategies. The staff would contact individual licensees to request details of site-specific implementation of the proposed Phase 2 and 3 strategies. Following receipt of site-specific details, the staff would develop site-specific SERs that incorporate all three phases; provide the SERs to licensees; and issue conforming license amendments. The completion of these steps would constitute final closure for the implementation of all three phases.

July 28, 2006
The NRC Staff Briefed the Naval Reactors Propulsion Directorate on Mitigative Strategies.

NSSP and NSIR staff briefed the Director, Emergency Management, Naval Reactors, Department of the Navy, at NRC Headquarters on the background of the NRC Order to implement radiological protection mitigative strategies for a loss of large areas of the plant due to fires or explosions, as discussed in the June 27, 2006, *Federal Register*. The briefing was an abbreviated version of the presentation on mitigative measures used to brief foreign counterparts of the NRC. The staff presented information on the phases of the "path forward." OEDO approved this SGI-level briefing.

August 7, 2006
The NRC Staff Issued a Memorandum to the Commission on the Benefits of Imminent Threat Procedures.

The RES staff issued a memorandum to the Commission on quantifying the benefits of imminent threat procedures. The purpose of the memorandum was to provide results of the NRC assessment of the benefits associated with implementation of imminent threat procedures. The memorandum discussed insights from plant analyses for selected scenarios accompanied by extensive damage and quantification of the value added by procedures previously identified by the NRC and implemented by licensees. The memorandum is designated as SGI.

August 14, 2006
The Commission Directs the Staff To Fully Document Insights Resulting from Implementation of Phase 1, 2, and 3 ICM Order.

On August 14, 2006, the Commission stated in SRM-COMGBJ-06-0004 (ADAMS Accession No. ML0622701062) that fully documenting the insights gained from the Phase 1, 2, and 3 initiatives to implement the February 25, 2002, security Orders at NPPs will be important to future decisions the staff and Commission will make regarding the design features and operations security programs of any new future plants. Therefore, for the purposes of maintaining a clear and continuing record of the bases of staff decisions, the staff should summarize for the Commission how it will document its integrated technical insights and decision bases resulting from Phases 1, 2, and 3 for future use by the staff and Commissioners. The SRM directed the staff to provide the Commission with a summary report following the completion of all staff licensing actions related to these initiatives. The SRM also specified other actions to be completed by the staff.

Subsequently, on December 28, 2006, the staff provided the Commission with a memorandum (ADAMS Accession No. ML063460270), "Partial Response to Staff Requirements-COMGBJ-06-0004—Potential Closure of the Issues Surrounding the February 25, 2002, Security Orders to Nuclear Power Plants." In addition to Phase 1 information already obtained from licensees, the staff expected to receive site-specific implementing details for Phase 2 and 3 mitigating strategies early in calendar year 2007. After review of this site-specific information, the staff would prepare SERs that integrate the Phase 1, 2, and 3 site-specific details with the decision bases that support issuance of a license condition covering all aspects of Section B.5.b, which should be completed by June 2007. The staff's documentation would also capture licensee actions taken in response to the June 20, 2006, Orders issued to certain facilities regarding key radiological protection strategies. The memorandum also stated that the staff intended to perform inspection activities to verify the implementation of Phase 2 and 3 mitigating strategies documented in the SERs (inspection of Phase 1 attributes had been initially accomplished) and to address the two SRM items remaining open upon completion of the licensing actions.

Note: The staff addressed the remaining items from SRM-COMGBJ-06-0004 in the October 5, 2007, staff memorandum to the Commission, "Closure of All Actions Related to

Section B.5.b of the February 25, 2002, Interim Compensatory Measures Order to Nuclear Power Plants" (ADAMS Accession No. ML072540485).

August 28, 2006
The NRC Provided the License Condition for Implementing Key Radiological Protection Mitigating Strategies.

In a letter (ADAMS Accession No. ML062300304), the Director, NRR, informed those power reactor licensees ordered to implement certain key radiological protection mitigation strategies that the following license condition would be sufficient to satisfy the Order's substantive requirements: "[Licensee] shall implement and maintain all Actions required by Attachment 2 to NRC Order EA-06-137, issued June 20, 2006, except the last action that requires incorporation of the strategies into the site security plan, contingency plan, emergency plan and/or guard training and qualification plan, as appropriate."

Note: This allowed the affected licensees to manage these strategies as commitments in accordance with NEI 99-04, making their management consistent with that of the other mitigation strategies.

September 2006
Responsibilty for B.5.b Assigned to Special Projects Branch/NRR.

In September 2006, after completing the Phase 2 and 3 assessments, NSSP was disestablished and responsibility for Section B.5.b implementation and verification (e.g., license amendments and inspections) was transferred to Special Projects Branch (PSPB), Division of Policy and Rulemaking (DPR) in the Office of Nuclear Reactor Regulation (NRR). Key members of the NSSP staff were reassigned to PSPB to ensure continuity.

September 11, 2006
RES Briefed the Commission on the Results and Implications of SFP Structural Analyses.

RES briefed the Commission on the results and implications of SFP structural analyses. The staff presentation included assessment method, summary of results, and implications with respect to the previous staff statements and new reactors. In summary, the aircraft impact assessment methodology is that the scenario development (aircraft speed, fuel, payload), plant response (structural and fire analyses), and fuel response (event progression analysis, source term, event timeline) are used to identify potential mitigation strategies. The staff presented a summary of the BWR Mark I, BWR Mark II, and PWR SFPs analyzed by the staff. Most of the details of the briefing are classified as Secret NSI.

September 28, 2006
The Commission Issued the SRM "Discussion of Security Issues."

The Commission issued the SRM "Discussion of Security Issues," which directed the staff to review the remaining BWR Mark II and applicable PWR SFPs, with respect to structural characteristics and hittability, and consider what actions licensees could take as a result of the findings, draft a proposed rule for security assessment requirements for new nuclear power reactors, and provide a paper on the staff's plan for assessing aircraft impact for new reactor designs.

October 12, 2006
The NRC Began Sending Phase 3 Assessment Results to All Licensees.

Beginning October 12, 2006, NRR began sending letters (e.g., ADAMS Accession No. ML062630449) to all power reactor licensees. The letters forwarded a summary of the NRC Phase 3 independent assessment for each plant, as well as a draft mitigation strategies table and a proposed license condition. These letters also requested certain information described below.

At the completion of the Phase 3 studies for all operating NPP sites, NEI provided the NRC with a proposal for closing Phase 3 (letter to W. Kane, NRC, from M. Fertel, NEI, dated June 27, 2006). In a response letter from the Director, NRR, to M. Fertel, NEI, dated June 29, 2006, the NRC conditionally accepted the NEI proposal for closing Phase 3. In its response, the staff reiterated that mitigation strategies in NEI's proposal that were identified during the Phase 3 assessments and utilize reasonable, evident, readily available measures (as identified in the February 25, 2005, guidance document) are required pursuant to Section B.5.b of the Order. However, the details of the required strategies could be implemented and managed in accordance with NEI 99-04. The staff believed that the NEI proposal reasonably justified the exclusion from formal regulatory controls of those additional strategies identified during the site-specific Phase 3 assessments that would be required under Section B.5.b of the Order but are not identified in NEI's proposal.

The letter also stated that any mitigation strategies included in the proposal that were not included in the February 25, 2005, guidance, including those that utilize beyond-readily-available resources, were expected to be treated as commitments, which become part of the licensing basis of the plant. Consistent with the NEI proposal, additional strategies identified during Phase 3 that licensees deem acceptable and valuable to promote diversification and survivability are expected to be incorporated into licensees' SAMGs or EDMGs or to be appended to other site implementation guidance.

The letters also stated that regardless of the regulatory treatment of the various mitigation strategies, the staff expected that they would be integrated into plant procedures or guidance in such a manner that they could also be effectively used for nonsecurity-initiated events.

The letters also stated that NRC Phase 3 assessments had determined that resolution of several "command and control" issues was necessary in order to have confidence in the success of any of the mitigation strategies identified. These issues include, but are not limited to, communications capability; availability of plant reference documents; access to plant equipment; normal locations of senior operators and other plant staff, as well as prestaged emergency equipment to ensure its availability during the loss of large areas of the facility due to explosions and fires; and chain-of-command logistics, given the potential for significant disruption of the normal chain of command. The EDMGs described in the NEI proposal were expected to address these issues.

All licensees were asked to provide, by January 5, 2007, the details of their site-specific implementation of the generic mitigation strategies contained in the NEI Phase 3 proposal and any other site-specific strategies that they intended to implement by procedure. Also, they were requested to provide by January 5, 2007, the details of their Phase 2 strategies as discussed in the June 21, 2006, NRC letter.

These letters to each licensee also forwarded a draft mitigation strategies table (Enclosure 3), which reflected the staff's understanding of a list of required strategies and of each licensee's site-specific method of implementation for each strategy. The letters asked the licensees to confirm that this table correctly represented their method of implementing the requirements or to provide corrections.

Finally, the letters to each licensee forwarded a proposed license condition (Enclosure 4), to be included in each facility's operating license via a future license amendment, as a means to provide regulatory control of each plant's mitigation strategies and to bring regulatory licensing closure to this process. The letters asked the licensees to confirm that the enclosed draft license condition appropriately captured their site's requirements.

Note: These letters to each licensee reiterated the information provided in the June 29, 2006, letter (ADAMS Accession No. ML061790306) to NEI, which approved the NEI proposal for closing Phases 1, 2, and 3 subject to NRC review and approval of implementing details. These letters requested that all licensees provide the details of their site-specific implementation plans by January 5, 2007. These letters also forwarded a draft mitigation strategies table and a proposed license condition for each licensee's review.

October 26, 2006
NRC Published Proposed Rule on Power Reactor Security Requirements in the Federal Register.

The NRC published a proposed rulemaking on Power Reactor Security Requirements in the Federal Register, 71 FR 62663. Had it been approved in this form, the rulemaking would have required licensees to "[i]nclude specific procedures, guidance, and strategies to maintain or restore core cooling, containment, and spent fuel pool cooling capabilities using existing or readily available resources (equipment and personnel) that can be effectively implemented under the circumstances associated with loss of large areas of the plant due to explosions or

fires." This provision was included in Appendix C, Section II(j) of 10 CFR 73. This aspect of the proposed rulemaking was modified April 10, 2008 in a supplemental rulemaking and in the final rule published March 27, 2009, both discussed below. The corresponding requirements were ultimately shifted to 10 CFR 50.54(hh)(2).

December 1, 2006
NEI Requested a Meeting with the Commission to Discuss NRC Plans for Orders on Hydrogen Control.

In an e-mail (ADAMS Accession No. ML063560320) to Chairman Klein, NEI requested a Safeguards meeting with the Commission to discuss NRC plans to issue Orders to specific licensees to address issues under certain beyond-design-basis security scenarios. The letter stated that NRC management had informed NEI that the staff was preparing Orders affecting PWRs with ice condenser containments and BWRs with Mark III containments. While NEI was aware of the December 5, 2006, meeting between licensees and the NRC staff to discuss this issue, it understood that the staff was implementing specific direction provided by the Commission. In this regard, NEI believed a meeting between the Commissioners and CNOs of the affected plants should be arranged after the December 5 meeting, but before the issuance of Orders, to discuss the licensee perspective on the scope, safety value, and cost associated with the proposed action.

Note: The industry appeared to believe that requiring additional methods of repowering the hydrogen igniters was unnecessary because the events they were intended to mitigate were beyond design basis. Apparently believing that the staff had reached a conclusion on this issue, NEI requested an opportunity to appeal directly to the Commission.

December 8, 2006
NEI Repeated Its Request for a Meeting To Discuss NRC Plans for Orders on Hydrogen Control.

In a letter (ADAMS Accession No. ML063560318) to Chairman Klein, NEI stated that its letter dated December 1, 2006, requested a Safeguards meeting with the Commission to discuss NRC plans to issue Orders to specific licensees to address hydrogen control issues under certain beyond-design-basis security scenarios. On December 5, NRC staff and the affected licensees met to discuss this topic, and those licensees were informed that the Orders would be issued by December 20. The discussion at the December 5 meeting reinforced NEI's belief that a meeting between the Commissioners and CNOs of the affected plants was necessary. NEI stated that there was considerable confusion over the premise of the Orders, including the impact of the scenario on the specific plants, the viability of the proposed resolution, the relationship to the actions and mitigation strategies already being implemented under Provision B.5.b of the ICM Order, the design criteria being imposed, and the cost of the design modifications. Thus, NEI urged the Commission to arrange a meeting to discuss these concerns to ensure consistency in Commission expectations and licensee actions related to addressing specific security scenarios before the issuance of Orders.

December 8, 2006
The Commission Directed the Staff To Summarize How Implementation of B.5.b Will Be Documented for Future Use.

In SRM-COMGBJ-06-0004 (ADAMS Accession No. ML062270106), the Commission directed the staff to summarize how it would document its integrated technical insights and decision bases resulting from Phases 1, 2, and 3 of the implementation of Section B.5.b of the ICM Order for future use by the staff and Commission. Two additional directives of the SRM were: (1) the staff should provide to the Commission a summary report following the completion of all staff licensing actions related to these initiatives and (2) the staff should notify the Commission within 60 days that a licensee has reported a modification or deletion of any commitment made pursuant to Phase 3, together with a recommendation as to whether an Order should be issued.

December 14, 2006
NEI Provided NEI 06-12 for NRC Approval.

In a letter (ADAMS Accession No. ML070080351) to the Director, NRR, NEI forwarded NEI 06-12, Revision 2, "B.5.b Phases 2 & 3 Submittal Guideline" (ML070090060), to the NRC for review and acceptance. This document provided guidance to assist licensees in preparing their site-specific Phase 2 and 3 responses. It also presented a methodology for developing the industry mitigation strategies and an approach for evaluating other strategies to determine if they are viable.

Note: This is a very significant document. Previously, the discussions for closing Phases 2 and 3 had been pursued on separate, parallel tracks. The agreements made between the staff and NEI had been documented in numerous, usually separate letters and memoranda. With the issuance of the NEI 06-12 submittal guideline, the process for closing Phases 2 and 3 was consolidated into one process.

December 19, 2006
RES Briefed NEI on the Benefits of Imminent Threat Procedures.

RES provided a briefing to NEI on quantifying the benefits of imminent threat procedures. The purpose of the briefing was to share the results of the NRC's assessment of the benefits associated with the implementation of imminent threat procedures. The briefing discussed insights from plant analyses for selected scenarios accompanied by extensive damage and quantification of the value added by procedures previously identified by the NRC and implemented by licensees. The briefing material is designated as SGI.

December 22, 2006
The NRC Endorsed NEI 06-12.

In a letter (ADAMS Accession No. ML063560235) to NEI, the Director, NRR, stated that the NRC staff had considered the NEI request for NRC endorsement of NEI 06-12. The letter stated that the NRC staff had interacted with NEI staff and its contractor during the development

of this guidance and had also attended portions of the industry workshops conducted on this topic. The staff agreed that licensee responses to the October 12 and 13, 2006, NRC requests for site-specific Phase 2 and 3 implementing details, if prepared in accordance with NEI 06-12, should provide sufficient information for the staff to evaluate the responses without the need for RAIs. The staff believed that the guidance generally encompassed the mitigating strategy attributes contained in the industry proposals for closing Phases 2 and 3, which were conditionally accepted by the NRC. Accordingly, the NRC endorsed NEI 06-12.

The letter also cautioned that, notwithstanding proper application of the guidance, acceptance of licensee responses for individual facilities would be conditional upon staff evaluation of site-specific implementation and documentation of certain Phase 2 and 3 mitigating strategies. In particular, the Phase 2 external strategy implementation plans at some sites would require specific staff scrutiny because NEI 06-12 modifies the guidance in the earlier Phase 2 closure proposal accepted by the NRC. The staff recognized that some sites have constraints potentially requiring different approaches for this and possibly other strategies. Licensees were strongly encouraged to follow the NEI 06-12 guidance to increase the efficiency of the NRC's review and avoid further requests for information. Licensees were also cautioned to provide ample information when deviations from the guidance were necessary.

Note: Previously, the NRC had accepted separate NEI proposals for closing Phases 2 and 3. This letter informs NEI that the NRC conditionally accepted NEI 06-12 as an acceptable method for licensees to provide submittals for closing both Phases 2 and 3. The subsequent submittals by licensees required Requests for Additional Information (RAIs) and supplemental submittals for all but three sites.

December 28, 2006
The Staff Summarized Plans for Documenting Closure of the February 25, 2002, Orders.

The staff provided the Commission with "Partial Response to Staff Requirements, COMGBJ-06-0004—Potential Closure of the Issues Surrounding the February 25, 2002, Security Orders to Nuclear Power Plants" (ADAMS Accession No. ML063460270). In addition to Phase 1 information already obtained from licensees, the staff expected to receive site-specific implementing details for Phase 2 and 3 mitigating strategies early in calendar year 2007. After review of this site-specific information, the staff would prepare SERs that integrate the Phase 1, 2, and 3 site-specific details with the decision bases that support issuance of a license condition covering all aspects of Section B.5.b; this work would be completed by June 2007. The staff's documentation would also capture licensee actions taken in response to the June 20, 2006, Orders issued to certain facilities regarding key radiological protection strategies. The memorandum also stated that the staff intended to perform inspection activities to verify implementation of Phase 2 and 3 mitigating strategies documented in the SERs (inspection of Phase 1 attributes have been initially accomplished) and to address the two SRM items remaining open upon completion of the licensing actions.

Note: The October 5, 2007, staff memorandum to the Commission (ADAMS Accession No. ML072540485), "Closure of All Actions Related to Section B.5.b of the February 25, 2002,

Interim Compensatory Measures Order to Nuclear Power Plants," addressed the remaining items from SRM-COMGBJ-06-0004.

January 22, 2007
RES Briefed the Commission on NRC Aircraft Studies.

RES briefed the Commission with a presentation of a summary of NRC aircraft studies. The briefing included background, aircraft threat characteristics, comparison of aircraft threat characteristics with the approach of the Electric Power Research Institute (EPRI) and Electricite de France (EDF), and a summary of NRC and EPRI structural analysis results for auxiliary building and containments. The briefing also discussed the communications approach and recipients, proposed 10 CFR 73.62 rulemaking, and new reactor assessments. Many of the details of the briefing are classified as Secret NSI.

February 9, 2007
Commission Issued SRM on Emergency Response Equipment

Representatives of the nuclear power industry briefed the Commission on security issues at NPPs. The Commission issued SRM-M070130A (ADAMS Accession No. ML070400040) following this meeting, on February 9, 2007, which directed the staff to update the Commission on its efforts to provide the industry and DHS with specifications for emergency response equipment that can be strategically located, made available to more than one site, and be supported by grant funds from DHS. The action item was EDATS:SECY-2007-0033.

On March 30, 2007, in a D-Note (ADAMS Accession No. ML070900006), the staff provided the Commission with an update on strategically located emergency response equipment. This D-Note included an equipment list that had been received as Enclosure 3, "Nuclear Industry Input in Support of a Federally Funded Regional Response Capability for the Nation's Critical Infrastructure," to a May 15, 2006, NEI letter discussing B.5.b closure (ML070871185). Also, the D-Note stated that on March 6, 2007, NSIR management met with Government counterparts at the quarterly Government Coordination Council meeting. At that meeting, the Director of the Chemical and Nuclear Preparedness and Protection Division acknowledged previous receipt of the equipment list and agreed to engage the Federal Emergency Management Agency in ascertaining the status and location of existing emergency response equipment. Further, during the joint Government Coordination Council/Nuclear Sector Coordinating Council meeting, all attendees received this update. Additionally, the Nuclear Sector Coordinating Council agreed to develop a cost estimate for its previously proposed equipment list.

March 28, 2007
Chairman Klein Received a Letter on Aircraft Crash Design Requirements from the Finland Radiation and Nuclear Safety Authority.

Chairman Klein received a letter from the Finland Radiation and Nuclear Safety Authority (STUK) regarding cooperation on aircraft crash design requirements. The letter discussed Finnish regulations regarding aircraft impacts on NPPs and an assessment performed by STUK and also included a copy of the briefing provided to a RES staff member on March 5, 2007. Most of the material attached to the letter is classified as Secret by STUK.

April 16, 2007
RES Briefed DHS on NRC Actions To Protect Public Health and Safety.

The NRC briefed DHS on NRC actions to protect public health and safety in regards to NPPs. The briefing discussed the NRC's post-9/11 strategy to protect against threats to nuclear facilities, concept of DBT, NRC rulemaking for DBTs, risk ranking of NPPs for airborne threats, integrated response planning with NORAD command and control, NPP capability to withstand aircraft attacks, aircraft hittability analysis, commercial aircraft population, approximate fuel loads, analysis tools for consequence analysis, analysis results for BWR and PWR plants, small aircraft threats, SFP consequence analyses, and summary of NRC actions. Most of the details of the briefing are classified as Secret NSI.

May 1, 2007
The Staff Established a Process for Documenting Closure of DFIs and Phase 1, 2, and 3 Assessments.

In an internal NRR memorandum (ADAMS Accession No. ML071160296), the staff documented the closure of technical assignment codes (TACs) related to the December 2, 2005, DFI concerning Section B.5.b. This DFI required licensees to provide information to confirm that they had implemented applicable mitigation strategies associated with Section B.5.b of the ICM Order to power plant licensees. In some instances, the NRC staff found it necessary to issue Orders to specific licensees to ensure that these licensees are effectively implementing applicable mitigation strategies required by the February 25, 2002, Order; the NRR staff opened plant-specific TACs for its review of licensee responses to the Orders. To bring Headquarters staff B.5.b review activities to closure most efficiently, the NRC staff determined that it would issue its findings regarding licensee implementation of the Orders, as well as Phases 1, 2, and 3, as part of a single, integrated plant-specific SE. Consequently, the TACs opened to develop and issue the SE would account for any additional NRC staff review related to the Orders.

Note: This decision to document the closure of the DFI and Phases 1, 2, and 3 in a single SER significantly simplified the final closure of what had become the very complicated process of addressing the February 25, 2002, ICM Order. The decision benefited both the staff and the industry by consolidating the closure of all the remaining B.5.b issues in one document for each site.

August 17, 2007
The Commission Directed the Staff To Provide a Summary Report on the Remaining Phase 2 and 3 Actions.

In SRM-M070718A (ADAMS Accession No. ML072290248), the Commission directed the staff to (1) provide a summary report estimating licensees' remaining actions needed to implement all mitigating strategies associated with Phases 2 and 3 of Section B.5.b of the February 25, 2002, Order and (2) ensure that confirmatory inspections of Phase 2 and 3 mitigating strategies are adequately funded and given high priority.

September 20, 2007
NRC Issued Order EA-07-231 Imposing Safeguards Information Protection Requirements and Fingerprinting and Criminal History Records Check Requirements for Access to Safeguards Information.

In anticipation of a requirement, through rulemaking, that nuclear power plant designers perform a rigorous assessment of design features that could provide additional inherent protection to avoid or mitigate the effects of a large commercial aircraft impact, while reducing or eliminating the need for operator actions, the Commission decided to provide the detailed aircraft impact characteristics that should be used as reasonable inputs. The detailed aircraft characteristics that are the subject of this Order were designated as SGI by it. This Order imposed SGI handling requirements on four vendors/designers of new reactors and provided the requirements for granting access to individuals. These requirements specified additional controls for foreign nationals and other individuals whose FBI criminal records would be unlikely to provide sufficient information to form the basis of an informed decision on granting access.

October 2, 2007
RES Briefed Commissioners' Technical Assistants on SFPs Subjected to Postulated Aircraft Attack.

RES briefed the Commissioners' Technical Assistants on the staff's review of the assessment of the capability of PWR and BWR Mark II SFPs to withstand an impact by a large commercial aircraft, as directed in SRM-M060911A, dated September 28, 2006. The briefing is classified as Secret NSI.

October 5, 2007
The Staff Informed the Commission That B.5.b Staff Actions Are Complete, Provided a Plan for Monitoring B.5.b Commitments, and Estimated the Remaining Actions.

In a memorandum to the Commission (ADAMS Accession No. ML072540485), the staff addressed the remaining items from the Commission's SRM-COMGBJ-06-0004 and associated SRM-COMSECY-06-0021 and SRM-M070718A pertaining to Section B.5.b of the February 25, 2002, ICM Order.

First, the staff reported that it had completed all remaining staff actions for licensing associated with Section B.5.b of the ICM Order:

> For Phase 1 licensees had assessed their nuclear power plants to identify readily available mitigative strategies to address a range of potential scenarios that may result in the loss of large areas of the plant due to explosions or fires. Licensees implemented these mitigative strategies, and the staff completed their inspections of implementation of most of the Phase 1 items by the end of calendar year 2006. Some items were deferred to Phases 2 and 3.

For Phases 2 and 3 the NRC determined that differences in plant design and configuration warranted independent assessments for SFPs and the reactor core and containment. Site-specific assessments of SFPs, deemed Phase 2, were completed in December 2005. Site-specific assessments of reactor core and containment, deemed Phase 3, were completed in June 2006.

In December 2006, the staff, after several rounds of comments, approved NEI 06-12 as an acceptable method for addressing B.5.b Phases 2 and 3 submittals. By mid July 2007 the staff had received all licensee initial and supplemental submittals. The staff concluded that all licensees had identified a range of strategies that, if implemented as described, would be adequate to address the industry-proposed B.5.b license condition. By the end of August 2007 the staff had documented its reviews in SERs and issued license conditions to capture the required strategies for each site.

Second, the staff informed the Commission of its plan to monitor the modification or deletion of licensee B.5.b commitments through the Reactor Oversight Process (ROP) inspection program and to notify the Commission of necessary regulatory actions via existing processes. The staff confirmed that it had prepared TI 2515/171, "Verification of Site Specific Implementation of B.5.b Phase 2 and 3 Mitigating Strategies" (ADAMS Accession No. ML073120469), which would be used to verify that all commitments had been implemented as described in the licensee's B.5.b submittals, documented in the SERs, and incorporated into the licensee's commitment management program. If a licensee had modified a commitment, the staff would verify that the modified or alternative commitment is as effective as the original strategy described in the SER. If a licensee had deleted a commitment, the staff would verify that the licensee had identified an acceptable alternative commitment or had provided justification that the commitment is no longer needed to satisfy the license condition.

Third, the staff estimated that it would begin the TI 2515/171 inspections in January 2008 and would complete the inspections by the end of December 2008. Based on the lessons learned from these inspections, the staff would review and revise, as necessary, the ROP inspection program to ensure long-term monitoring of the equipment, training, and procedures needed to maintain the effectiveness of the B.5.b commitments. In this manner, the staff could monitor the modification or deletion of B.5.b commitments by licensees associated with all three phases of B.5.b and would take appropriate regulatory actions if commitments were no longer being met.

October 10, 2007
RES Issued a Memorandum to the Commission on the Assessment of SFPs Subjected to a Postulated Aircraft Attack.

RES issued a memorandum to inform the Commission of the staff's review of the assessment of the capability of PWR and BWR Mark II SFPs to withstand an impact by a large commercial aircraft, as directed in SRM-M060911A, dated September 28, 2006. The memorandum is classified as Secret NSI.

Note: This memorandum addresses the subjects presented to Commissioners' Technical Assistants in a briefing on October 2, 2007.

January 11, 2008
The Staff Documented the Pilot Inspection at Duane Arnold Using Draft TI 2515/171.

In an inspection report (ADAMS Accession No. ML080160279), the staff documented the pilot inspection at Duane Arnold Energy Center, performed December 10–14, 2007, using TI 2515/171. The inspection examined activities conducted by the licensee as they related to the implementation of B.5.b Phase 2 and 3 mitigating strategies. The inspection involved examination of selected procedures and representative records, observations of activities, and interviews with personnel. On the basis of the samples selected for review, the inspection identified no findings or violations of regulatory requirements. The team concluded that, in general, the licensee had implemented the site-specific B.5.b Phase 2 and 3 mitigating strategies as described in its submittals and the associated SER. The NRC staff also concluded that TI 2515/171, with minor changes, would be acceptable for use at other sites.

Note: The pilot inspection confirmed the efficacy of the inspection procedure. The licensee was proactive in its implementation of the mitigating strategies and was very well prepared for the inspection. Both the staff and industry representatives learned a great deal during the inspection.

February 6, 2008
The Staff Issued TI 2515/171 for Use.

The staff issued TI 2515/171 for use. On May 16, 2008, TI 2515/171, Appendix C, "B.5.b Significance Determination Process," was approved. This significance determination process would be used to evaluate all potentially greater-than-minor B.5.b inspection findings identified during the TI 2515/171 inspections. On July 25, 2008, the staff issued TI 2515/171, Revision 1 (ADAMS Accession No. ML081340110) for use. The revision incorporated the Appendix C B.5.b significance determination process and provided guidance on an acceptable allowance for overspray when using the SFP spray strategy.

April 10, 2008
NRC Published Supplemental Proposed Rule on Power Reactor Security Requirements in the Federal Register.

The NRC published a supplemental proposed rulemaking on power reactor security requirements in the Federal Register, 73 FR 19443. As discussed in SECY-08-099, this moved the proposed rule corresponding to the requirements of Section B.5.b of the ICM Order to 10 CFR 50.54(hh)(2) and revised the wording to read:

> Each licensee shall develop and implement guidance and strategies intended to maintain or restore core cooling, containment, and spent fuel pool cooling capabilities under the circumstances associated with loss of large areas of the plant due to explosions or fire, to include strategies in the following areas:
> (i) Fire fighting;
> (ii) Operations to mitigate fuel damage; and
> (iii) Actions to minimize radiological release.

This revision to the proposed rule reflected the further development and refinement of the strategies.

May 2008
NRR Staff Established B.5.b Community of Practice on the NRC Knowledge Center.

The NRR Staff established a Community of Practice (CoP) on the NRC Knowledge Center to facilitate knowledge management on the B.5.b requirements. This CoP is available to NRC users at http://nrcknowledgecenter.nrc.gov/CommunityBrowser.aspx?id=4380&lang=en-US.

August 4, 2008
RES Issued a Memorandum to the Commission on the Assessment of BWR Mark II and Mark III SFPs.

RES issued a memorandum to the Commission, which presented a summary of the staff's detailed study of the ability of BWR Mark II SFPs (Limerick 1, Limerick 2, and Nine Mile Point 2) to withstand an impact by a large commercial aircraft. The memorandum also provided results of the qualitative assessment of BWR Mark III SFPs (Clinton, Perry, River Bend, and Grand Gulf). The memorandum is classified as Secret NSI.

August 5, 2008
The Staff Informed the Commission of Its Plans for Integrating B.5.b Areas into the ROP.

In a memorandum (ADAMS Accession No. ML082050032), the staff responded to SRM-M070718A, "Discussion of Security Issues," dated August 17, 2007. This SRM addressed, in part, the plan and schedule for the integration of new areas of B.5.b-related inspection into the ROP.

The staff reported that it had issued TI 2515/171 on February 6, 2008, to provide guidance for the inspection effort. In the memorandum, the staff stated that it had completed approximately one-quarter of the confirmatory inspections and expected to complete inspection activities at all NPP sites by December 31, 2008.

The staff also reported that it had initiated a B.5.b Inspection Community of Practice using the NRC's Knowledge Center Web site as a tool to collect results and lessons learned from these inspections. The lessons learned would be used to integrate the new areas related to Section B.5.b into the ROP.

In addition, the staff formed a B.5.b Integration Team, comprising experienced representatives from NRR, in coordination with the regions and NSIR, to assess and evaluate the aspects of Phases 1, 2, and 3 of Section B.5.b activities that should be integrated into routine regulatory activities, including the ROP. The team would formulate an integration plan for issues related to Section B.5.b for use by December 2008. Both the integration plan and the lessons learned from the confirmatory inspections were used to update the inspection program and integrate the new areas related to Section B.5.b into the ROP for use in ROP Year 11, which would commence January 1, 2010.

October 6, 2008
The NRC Staff Briefed the Commission on Recent Aircraft Impact Assessment Activities.

The briefing topics included aircraft impact parameters, SFP assessments, new reactor assessments, and communications with foreign countries and reactor vendors. The briefing material is classified as Secret NSI.

November 12, 2008
The Commission Directed the Staff to Provide a Summary Report on Significant Issues.

SRM-M081006B (not in ADAMS), "Discussion of Security Issues," addressed, in part, the completion of inspections to verify the site-specific implementation of Phase 2 and 3 mitigating strategies. Specifically, the SRM directed the staff to provide the Commission with a summary report, after completing all of the inspections, to identify any significant issues and their resolution or outstanding issues requiring resolution.

December 17, 2008
The Commission Approved the Final Rule on Power Reactor Security Requirements.

In SRM-M081217B (ADAMS Accession No. ML083520252), the Commission approved a final rule (SECY-08-0099, "Final Rule—Power Reactor Security Requirements" (RIN 3150-AG63)), which amended existing security regulations and added new security requirements pertaining to current and future nuclear power reactors, subject to the comments and changes noted in the attachment. This final rule made security requirements similar to those previously imposed by the Commission Orders issued after the terrorist attacks of September 11, 2001, generically

applicable. The requirements of Section B.5.b of the ICM Order were included as 10 CFR 50.54(hh)(2). Additionally, the final rule added several new requirements developed as a result of insights gained from implementation of the security Orders, reviews of site security plans, and implementation of the enhanced baseline inspection program. The final rule also updated the NRC's security regulatory framework for the licensing of new NPPs.

The SRM directed the staff to allocate the necessary resources to inspect the security plans in the ROP baseline inspection program. Licensees currently licensed to operate under 10 CFR Part 50, "Domestic Licensing of Production and Utilization Facilities," must comply with the final rule by March 31, 2010. This will allow current power reactor licensees an implementation period extending 1 year beyond the March 2009 expected completion date for the regulatory guides. In addition, the staff should make any conforming changes as necessary.

February 12, 2009
The Staff Issued a D-Note in Response to the SRM Dated November 12, 2008.

The staff issued a D-Note in response to SRM-M081006B, dated November 12, 2008, regarding SFP undercutting issues at two plants. The D-Note is classified as Secret NSI.

February 17, 2009
The Commission Approved the Final Rule on Consideration of Aircraft Impacts for New Nuclear Power Reactors.

In SRM-M090217 (ADAMS Accession No. ML090480610), the Commission approved a final rule (SECY-08-0152, "Final Rule—Consideration of Aircraft Impacts for New Nuclear Power Reactors" (RIN 3150-AI19)), which complements the new rule, 10 CFR 50.54(hh) to mitigate the effects of large fires and explosions. This rulemaking requires applicants for new nuclear power reactors to:

- Perform an assessment of the effects on the designed facility of a beyond-design-basis aircraft impact.
- Using realistic analyses, identify and incorporate into the design those design features and functional capabilities to show, with reduced use of operator action, that the facility can withstand the effects of an aircraft impact (i.e., that the rule's acceptance criteria are met).
- Describe how such design features and functional capabilities show, with reduced use of operator action, that the facility can withstand the effects of an aircraft impact.

The goal of this rule is to have the designer implement a rigorous assessment process to ensure that the design process constitutes a reasoned approach for assessing the plant design to identify design features and functional capabilities to show that the facility can withstand the effects of an aircraft impact. The relationship between this rule and the B.5.b requirements is explained in the statement of considerations published with the Final Rule on June 12, 2009 in the Federal Register (74 FR 28111).

March 27, 2009
NRC Published Final Rule on Power Reactor Security Requirements in the Federal Register.

The NRC published the final rule on Power Reactor Security Requirements, which had been approved by the Commission on December 17, 2008, in the Federal Register (74 FR 13925). This included the new rule, 10 CFR 50.54(hh)(2), implementing requirements consistent with Section B.5.b of the ICM Order.

April 30, 2009
The Staff Reported Completion of Inspections of Phase 2 and 3 Actions.

The staff issued to the Commission the memorandum "Summary Report upon Completion of the Inspection of Phase 2 and 3 Actions Related to Section B.5.B of the February 25, 2002, Interim Compensatory Measures Order to Nuclear Power Plants" (ADAMS Accession No. ML090771056) in response to SRM-M081006B. The staff informed the Commission that it had performed an inspection at each power reactor site using TI 2515/171, "Verification of Site Specific Implementation of B.5.b Phase 2 and 3 Mitigation Strategies." The first inspection was performed in December 2007, and the last was completed in December 2008. The inspections were performed by a team which typically included a region based team leader, the resident inspector and a representative from the NRR Special Projects Branch with previous B.5.b experience.

The inspection process identified a range of issues, which were documented in the inspection report for each site. Most significant issues (those determined to be more than minor) were identified as findings or violations. Licensees addressed inspection findings and violations by taking appropriate corrective actions. These corrective actions included performing additional engineering calculations, establishing additional strategies, updating and correcting procedures, training plant staff, and rerouting flow paths to reduce system pressure losses.

The inspection process also identified two significant issues that require resolution:

(1) New information became available in the PWR Owners' Group technical report, WCAP-16800, "Insights for Operating Steam Generators to Minimize RCS Inventory Loss Following a Loss of All AC and DC Power," November 2007, that could affect the viability of three of the PWR steam generator mitigation strategies described in NEI 06-12. WCAP-16800 had not been submitted to the NRC for review and approval as a topical report. A licensee provided a copy of the report to the inspection team during their TI 2515/171 inspection.

(2) Guidance should be provided to address other lessons learned during the TI 2515/171 inspections, including clarifying expectations for procedures, training, engineering calculations, and maintenance of B.5.b equipment, such as allowed out-of-service time.

The staff reported that it was working with NEI and the nuclear industry to determine if the guidance on these two issues (WCAP-16800 and other lessons learned) could be incorporated into NEI 06-12 to provide regulatory guidance for the requirements of Section B.5.b for existing reactors and the new regulation, 10 CFR 50.54(hh)(2), for existing reactors and new reactors. As an alternative, the staff could provide interim staff guidance or a regulatory guide that endorses NEI 06-12 and addresses these issues. The NRC staff had also prepared a revision to an existing inspection procedure for the baseline ROP to ensure that the effectiveness of the B.5.b strategies is maintained for existing reactors.

May 1, 2009
NEI Submitted Proposed Revisions to NEI 06-12 To Address New Reactors.

In a letter (ADAMS Accession Nos. ML091310577 and, for the package, ML091310591), NEI provided Revision 3 of NEI 06-12 to the NRC for review and endorsement. This revision provided guidance on the application of NEI 06-12 to new NPPs to ensure consistency in meeting the requirements of 10 CFR 50.54(hh)(2) and 10 CFR 52.80(d).

In 10 CFR 50.54(hh)(2), which codified Provision B.5.b of the NRC's February 25, 2002, ICM Order, the NRC requires new plant applicants to develop guidance and strategies for addressing losses of large areas of the plant due to fires or explosions from beyond-design-basis events. NEI stated that the current operating plants are meeting the same requirements and developed their strategies by following the guidance in NEI 06-12, which the NRC endorsed.

NEI stated that it expects the strategies in place for the current operating fleet and those for new plants to be similar. However, NEI recognized that new reactors employ many design enhancements and use advanced technologies, which means some adjustments to the methodology in NEI 06-12 would be necessary. In this regard, NEI drafted a new Chapter 5 (ADAMS Accession No. ML091310585) to address the application of NEI 06-12 to new reactors.

NEI stated that it is aware that the NRC has a list of lessons learned resulting from the B.5.b implementation inspections conducted at the current operating plants. If the disposition of these lessons learned results in changes to NEI 06-12, the applicants for combined operating licenses (COLs) will review those changes for applicability.

To meet the requirements of 10 CFR 52.80(d), COL applicants must submit a description and plans for implementation of the guidance and strategies required by 10 CFR 50.54(hh)(2). NEI had developed a 10 CFR 52.80(d) template (ADAMS Accession No. ML091310588) that would become an appendix to NEI 06-12. Applicants would complete this template as part of their COL application.

NEI requested that the NRC endorse the enclosed revision to NEI 06-12. Once endorsement was received, NEI would update and reissue NEI 06-12 in final form.

May, 18, 2009
NRC Published Proposed Rule for Emergency Preparedness in the Federal Register.

The NRC staff proposed to amend certain emergency preparedness requirements in order to codify voluntary measures licensees implemented in response to NRC Bulletin 2005-02, "Emergency Preparedness and Response Actions for Security-Based Events". These measures included onsite personnel protective actions that address hostile action and inclusion of hostile action scenarios in the drill and exercise program. In addition, the staff proposed a requirement that implementation strategies, procedures and guidance developed under 10 CFR 50.54(hh) be demonstrated in biennial exercises inspected by NRC. The rule was expected to be final in late 2010.

June 12, 2009
NRC Published Final Rule on Consideration of Aircraft Impacts for New Nuclear Power Reactors in the Federal Register.

The NRC published the final rule on Consideration of Aircraft Impacts for New Nuclear Power Reactors., which had been approved by the Commission on February 17, 2009, in the Federal Register (74 FR 28111). This included the new rule, 10 CFR 50.150, implementing the requirements for aircraft impact assessments for new nuclear power reactors.

July 17, 2009
NEI Submitted NEI 06-12, Revision 3, To Address NRC Comments.

NEI submitted an updated version of Revision 3 (ADAMS Accession No. ML092120161) of NEI 06-12 for NRC review. This revision provided guidance on the application of NEI 06-12 to new NPPs to ensure consistency in meeting the requirements of 10 CFR 50.54(hh)(2) and 10 CFR 52.80(d). In the submittal letter, NEI stated that Revision 3 included some changes in addition to those in the May 1, 2009, proposed revision. The discussion of the application of NEI 06-12 to new reactors was moved from Chapter 5 to Chapter 4. NEI added a new Appendix D to provide a template for complying with 10 CFR 52.80(d), which requires applicants to prepare descriptions and plans for implementation of the guidance and strategies required by 10 CFR 50.54(hh)(2). The submittal letter stated that Revision 3 addressed NRC comments provided in e-mails dated June 8, 2009, and June 29, 2009, and at a meeting on June 23, 2009. The submittal letter also stated that NEI understands that the NRC had a list of lessons learned resulting from the B.5.b inspections conducted at operating plants. NEI stated that if the disposition of these lessons learned results in changes to NEI 06-12, Revision 3, the COL applicants will review these changes for applicability. NEI requested that the NRC staff endorse Revision 3 for use.

August 26, 2009
The NRC Requested Sunsetting the Special Access Program.

In SECY-09-0118 (ADAMS Accession No. ML092110601), the staff asked the Commission to approve the sunsetting of the Special Access Program (SAP). Approval to establish the SAP was initially granted by the President on July 1, 2004. The SAP was established to safeguard information that the Commission determined was vitally important to protecting commercial NPPs and Category I nuclear fuel facilities from terrorist attacks and for responding to such attacks. The program was designated Sage Haunt and required implementation of strict controls for access and dissemination. Most of the details related to the program would continue to be classified as NSI or designated as SGI, although not with the dissemination controls provided by the SAP.

October 7, 2009
The NRC Issued Draft Interim Staff Guidance for 10 CFR 50.54(hh)(2) and 10 CFR 50.82(d) for New Reactors.

In a letter (ADAMS Accession No. ML092100352), the staff forwarded Draft Interim Staff Guidance (ISG) DC/COL-ISG-016, "Compliance with 10 CFR 50.54(hh)(2) and 10 CFR 52.80(d)," to NEI and requested its comments within 30 days. The ISG endorses the guidelines of NEI 06-12, Revision 3, as an acceptable approach to meeting the requirements of 10 CFR 50.54(hh)(2) and 10 CFR 52.80(d), with certain exceptions based on the lessons learned outlined above. New applicants for, and new holders of, an operating license may use other methods to satisfy these requirements, which the staff would review for acceptability on a case-by-case basis.

February 4, 2010

MEMORANDUM TO: Chairman Jaczko
Commissioner Klein
Commissioner Svinicki

FROM: R. W. Borchardt ***/RA by Bruce S. Mallett for/***
Executive Director for Operations

SUBJECT: DOCUMENTATION OF EVOLUTION OF SECURITY REQUIREMENTS AT COMMERCIAL NUCLEAR POWER PLANTS WITH RESPECT TO MITIGATION MEASURES FOR LARGE FIRES AND EXPLOSIONS

Staff Requirements Memorandum (SRM)-M081006B, "Discussion of Security Issues," dated November 12, 2008, addressed, in part, actions taken at commercial nuclear power plants since the terrorist attacks of September 11, 2001. Specifically, the SRM directed the staff of the U.S. Nuclear Regulatory Commission (NRC) to provide the following to the Commission:

> ...in one document the evolution of the implementation of security requirements with respect to mitigation measures for large fires or explosions starting with the advisories and through Phases 1, 2 and 3. The document should be provided to the Commission for information and retained for knowledge transfer. The staff should explore making publically available additional information about steps the agency has taken to protect nuclear plant(s) from large fires or explosions.

The purpose of this memorandum is to provide the requested document to the Commission. This memorandum will also be placed on the NRC Knowledge Center's B.5.b Inspections Community of Practice where it will be retained for knowledge transfer. To inform the public about the steps the staff has taken to protect nuclear plants, the Office of Public Affairs plans to prepare and release a publicly available version of the information.

To respond to the Commission's request, the staff performed a search to identify existing classified and unclassified documents which describe the evolution of the implementation of security requirements with respect to mitigation measures taken since September 11, 2001. Staff representatives from the Offices of Nuclear Reactor Regulation (NRR), Nuclear Regulatory Research (RES), Nuclear Security and Incident Response (NSIR) and the former Office of Nuclear Security Special Projects (NSSP) participated in this search. The staff identified documents from paper copy files, documents that were available in the Agencywide Documents Access and Management System (ADAMS), and documents that were available on

CONTACT: Eric E. Bowman, NRR/DPR
301-415-2963

the Safeguards Information Local Area Network and Electronic Safe (SLES) system. As these documents were identified, they were cataloged in an EXCEL database called the "Consolidated Timeline Documents." The database included fields to enter the document date, ADAMS Accession Number (if available), Document/Event Type, Cognizant Office, Subject, and Comments. For many documents, the staff used the comment field to summarize the contents of the actual document. For Safeguards or Classified documents, the staff used the comment field to provide a summary of the document that could be handled as Official Use Only—Security-Related Information. By the end of the review process, the staff had entered more than 600 documents into the database.

The staff used the information contained in the "Consolidated Timeline Documents" database to prepare the enclosure to this paper which describes the evolution of the implementation of security requirements with respect to mitigation measures taken since September 11, 2001.

The information contained in this memorandum was developed by the NRR, RES, NSIR and (former) NSSP staff based on their review of the referenced documents and their recollection of their participation in these activities. This memorandum was also coordinated with staff members from the Offices of the Executive Director for Operations (OEDO), Nuclear Material Safety and Safeguards (NMSS) and New Reactors (NRO) who participated in these activities.

Enclosure: Evolution of Mitigating Measures for Larger Fire and Explosions

cc: SECY
OGC
OCA
OPA
CFO

The Commissioners

the Safeguards Information Local Area Network and Electronic Safe (SLES) system. As these documents were identified, they were cataloged in an EXCEL database called the "Consolidated Timeline Documents." The database included fields to enter the document date, ADAMS Accession Number (if available), Document/Event Type, Cognizant Office, Subject, and Comments. For many documents, the staff used the comment field to summarize the contents of the actual document. For Safeguards or Classified documents, the staff used the comment field to provide a summary of the document that could be handled as Official Use Only—Security-Related Information. By the end of the review process, the staff had entered more than 600 documents into the database.

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Enclosure: Evolution of Mitigating Measures for Larger Fire and Explosions

cc: SECY
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DISTRIBUTION: WITS 200800433/EDATS: SECY-2008-0648
See next page

ADAMS Accession Numbers: ML092990438 (Package) ML092990434(Memo); ML092990417(Enclosure1) ML092990408(Enclosure 2) *Via Email

OFFICE	NRR/PSPB*	NRR/PSPB	TECH EDITOR*	NRR/PSPB	NRR/DPR	RGN I*	RGN II*
NAME	CPetrone	EBowman	KAzariah-Kribbs	SRosenberg	TMcGinty (TBlount for)	SCollins (DRoberts for)	LReyes (JMunday for)
DATE	10/26/09	10/27/09	11/10/09	11/25/2009	11/30/2009	12/14/2009	12/17/2009
OFFICE	RGN III*	RGN IV*	NSIR*	RES	NRO	OGC:NLO*	NRR
NAME	MSatorius (HPeterson for)	ECollins (TPruett for)	JWiggins (BWestreich for)	BSheron	MJohnson (GHolahan for)	JGoldberg	ELeeds
DATE	12/15/2009	12/21/2009	12/24/2009	12/16/2009	12/16/2009	1/5/2010	1/14/2010
OFFICE	EDO						
NAME	RBorchardt (BMallett for)						
DATE	2/04/2010						

OFFICIAL RECORD COPY

Memorandum to the Commission from R. W. Borchardt dated . February 4, 2010

SUBJECT: DOCUMENTATION OF EVOLUTION OF SECURITY REQUIREMENTS WITH RESPECT TO MITIGATION MEASURES FOR LARGE FIRES AND EXPLOSIONS

DISTRIBUTION: **WITS200800433 /EDATS: SECY-2008-0648**
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RidsRgn3MailCenter
RidsRgn4MailCenter
RidsNrrPMEBowman
RidsEdoMailCenter

From: (b)(6)
To: Grobe, Jack
Subject: (b)(6)
Date: Thursday, March 17, 2011 11:23:58 AM

(b)(6)

(b)(6)

From: Borchardt, Bill
To: Collins, Elmo; Virgilio, Martin
Subject: RE: Action: ERB Items for Review
Date: Thursday, March 17, 2011 11:24:00 AM

Thanks.

From: Collins, Elmo
Sent: Thursday, March 17, 2011 11:01 AM
To: Virgilio, Martin; Borchardt, Bill
Subject: FW: Action: ERB Items for Review

Marty and Bill

Looks like we're moving ahead with Tom Blount for Deputy DRS

Elmo

From: Tallarico, Alison
Sent: Thursday, March 17, 2011 10:00 AM
To: Collins, Elmo; Leeds, Eric; Evans, Michele
Cc: Johns, Nancy; Gallagher, Johanna
Subject: RE: Action: ERB Items for Review

Hello Elmo, Eric and Michele,

We've heard back from almost everyone, and no one has any objections, so we are free to proceed. Eric, Johanna is still out so if you like I can try and draft up a rotational solicitation to backfill for Mary.

Thanks
Alison
301-492-2326

From: Tallarico, Alison
Sent: Wednesday, March 16, 2011 4:28 PM
To: Evans, Michele; Ash, Darren; Borchardt, Bill; Boyce, Thomas (OIS); Buchholz, Jeri; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Dorman, Dan; Dyer, Jim; Gallagher, Johanna; Greene, Kathryn; Haney, Catherine; Holahan, Gary; Howell, Art; Johns, Nancy; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Lew, David; Mamish, Nader; McCree, Victor; Miller, Charles; Moore, Scott; Muessle, Mary; Pederson, Cynthia; Satorius, Mark; Schaeffer, James; Sheron, Brian; Tallarico, Alison; Tracy, Glenn; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wert, Leonard; Wiggins, Jim
Subject: Action: ERB Items for Review

~~For your eyes only~~

TO ERB Members

We are sharing the following items for ERB review and information because the ERB is not scheduled to meet this week:

(b)(5),(b)(6)

(b)(5),(b)(6)

Thanks
Alison Tallarico (for Johanna Gallagher)
301-492-2326

From: Haney, Catherine
To: Schneider, Kathleen
Subject: are you good for lunch at noon
Date: Thursday, March 17, 2011 11:36:00 AM

From: Harrison, Donnie
To: Cheok, Michael
Subject: RE: Standup Meeting
Date: Thursday, March 17, 2011 11:34:48 AM

Mike,

If you want to fill me in via phone, just call me at 202-579-6238 (or e-mail). Otherwise, I will be in tomorrow and you can catch me up then.

Donnie

From: Cheok, Michael On Behalf Of Alexander, Cheryl
Sent: Thursday, March 17, 2011 9:54 AM
To: Laur, Steven; Lee, Samson; Rodriguez, Veronica; Tate, Travis; Harrison, Donnie; Dinsmore, Stephen
Subject: FW: Standup Meeting
When: Thursday, March 17, 2011 10:00 AM-10:15 AM.
Where: Mike Office

When: Thursday, March 17, 2011 10:00 AM-10:15 AM (GMT-05:00) Eastern Time (US & Canada).
Where: Mike Office

Note: The GMT offset above does not reflect daylight saving time adjustments.

~~*~*~*~*~*~*~*~*~*

If you are available, this is a quick stand-up mtg to pass along some info from the ET meeting this morning. If you are not available, come on by later and I can fill you in. Nothing urgent – just some info as to what is happening.

Mike

-----Original Appointment-----
From: Alexander, Cheryl
Sent: Thursday, March 17, 2011 9:47 AM
To: Alexander, Cheryl; Klein, Alex; Cheok, Michael; DRACAL Resource
Subject: Standup Meeting
When: Thursday, March 17, 2011 10:00 AM-10:15 AM (GMT-05:00) Eastern Time (US & Canada).
Where: Mike Office
Importance: High

When: Thursday, March 17, 2011 10:00 AM-10:15 AM (GMT-05:00) Eastern Time (US & Canada).
Where: Mike Office

Note: The GMT offset above does not reflect daylight saving time adjustments.

~~*~*~*~*~*~*~*~*~*

From: (b)(6)
To: Grobe, Jack
Subject: (b)(6)
Date: Thursday, March 17, 2011 11:34:58 AM

(b)(6)

(b)(6)

Satorius, Mark

From: Holt, BJ
Sent: Thursday, March 17, 2011 11:37 AM
To: Satorius, Mark; Pederson, Cynthia; Langan, Scott; Boland, Anne; Louden, Patrick; Sotiropoulos, Dina; West, Steven; Shear, Gary; Reynolds, Steven; OBrien, Kenneth
Subject: RE: Lisle Woodridge Fire District unannounced fire inspection

All, Dina and I have spoken to Gail regarding the following email. Gail will work with the affected parties to ensure the violations are resolved. We will inform you of the results and any outstanding issues.

From: Christoffer-Baruch, Gail
Sent: Wednesday, March 16, 2011 4:25 PM
To: Satorius, Mark; Pederson, Cynthia; Langan, Scott; Boland, Anne; Louden, Patrick; Holt, BJ; Sotiropoulos, Dina; West, Steven; Shear, Gary; Reynolds, Steven; OBrien, Kenneth
Subject: Lisle Woodridge Fire District unannounced fire inspection

On March 14, 2011, two fire bureau inspectors from the Lisle Woodridge Fire District conducted an unannounced fire inspection of NRC space.

We had quite a few violations during this inspection, some of which are the responsibility of the building management to correct.

Listed below are the violations that the NRC should correct. I would appreciate it if you would ensure that the violations are corrected for those offices/areas that are in your respective groups. Please notify me when the violation is corrected, so that I can conduct a follow-up before the fire district conducts another inspection. Thank you!

1) Extension cord used. **A4000C** **Power strips with surge protectors can be used (contact Mike Pope for acceptable power strips)**

2) Extension cords piggybacked. **B4013** **(Power strips with surge protectors can be used. They cannot be piggybacked. (contact Mike Pope for acceptable power strips)**

3) Coffee pot plugged in and located on the floor, under the desk and near combustibles. **A4007** **Coffee pot should not be placed on the floor/or near combustibles.**
An unacceptable extension cord located on the floor. **A4007** **Extension cords without surge protectors cannot be used. (contact Mike Pope for acceptable power strips)**

4) Not maintaining 36" aisle way. Desk is in the way. **Third floor drug testing rooms.** **Need to maintain a minimum 36' aisle way.** **Desk should be relocated or removed.**

5) Extension cords piggybacked. **A3010** **Power strips with surge protectors can be used. They cannot be piggybacked.**

6) Space heater under desk. **A2003** **Space heaters are prohibited in this building. Space heater should be removed from building.**

Gail

Gail Christoffer Baruch

Program Manager
U.S. Nuclear Regulatory Commission
2443 Warrenville Road
Lisle, IL 60532
Phone: 630-829-9550

From: Boger, Bruce
To: Ross, Robin
Subject: FW: Difficult Conversations POSTPONED!
Date: Thursday, March 17, 2011 11:38:00 AM
Importance: High

Robin, A deletion for my calendar. Bruce

From: Nguyen, Quynh
Sent: Thursday, March 17, 2011 10:36 AM
To: Douglas Stone; Sheila Heen; Heather Sulejman
Cc: PDC Resource; Orlando, Dennise; Grobe, Jack; Leeds, Eric; Boger, Bruce; Deeds, Erin; Scales, Kerby; Lichatz, Taylor; Bahadur, Sher; Blount, Tom; Brown, Frederick; Cheok, Michael; Evans, Michele; Galloway, Melanie; Giitter, Joseph; Givvines, Mary; Hiland, Patrick; Holian, Brian; Howe, Allen; Lee, Samson; Lubinski, John; Lund, Louise; McGinty, Tim; Nelson, Robert; Quay, Theodore; Ruland, William; Skeen, David; Azeem, Almas; Cartwright, William; Cusumano, Victor; Heida, Bruce; Mahoney, Michael; Meighan, Sean; Nguyen, Quynh; Roquecruz, Carla; Susco, Jeremy; Titus, Brett; Valentine, Nicholee; Wertz, Trent
Subject: Difficult Conversations POSTPONED!
Importance: High

Doug & Sheila,

Due to recent events, we are going to POSTPONE the training (originally scheduled for March 21-23). New dates TBD.

Thank you all for your understanding!

Thanks,
Quynh

From: (b)(6)
To: Lubinski, John
Subject: (b)(6)
Date: Thursday, March 17, 2011 11:40:19 AM

(b)(6)

(b)(6)

(b)(6)

Satorius, Mark

From: Homeland Security Outlook [reply@hsoutlook.com]
Sent: Thursday, March 17, 2011 11:40 AM
To: Satorius, Mark
Subject: Hotels Announced for International Crisis & Risk Communication Conference May 10-11

Earlybird Registration Ends in Only 8 Days!

Register now to receive $100 OFF the regular admission price.
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Agenda ›

Hotels Announcement:

Hampton Inn & Suites
3450 Quadrangle Blvd.
Orlando, FL 32817 (407) 282-0029
Gov't Per Diem Rate: $104/night - use group code "Neak Media" to reserve
Conference Group Rate: $109/night - use group code "Neak Media 2" to reserve

Read more important reservation information

Holiday Inn UCF
12125 High Tech Avenue
Orlando, FL 32817
Phone: (407) 275-9000
Gov't Per Diem/Conference Rate: $94/night - Use Group Code "ICRC" to reserve.

Read more important reservation information

Featured Speaker:

Gulf Oil Spill: Communicating with the News Media and Public:

Neil Chapman, Founder, Alpha Voice Communications, Former Director of Public Affairs, BP

More Speakers

Michael W. Robinson
Senior Vice President, Levick Strategic Communications
Topic: "Crisis Communication and the Financial Crisis"

John P. "Pat" Philbin, Ph.D., APR
President & CEO, Strategic Collaborative Solutions, LLC, Former Director, Office of External Affairs, FEMA

Brian Andrews
Director, News in English, NTN 24, RCN Television

Jay Alan
Deputy Director, Communications, Governor's Office of Homeland Security, State of California

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Who Should Attend

* Public Relations Practitioners
* Public Affairs Professional
* Internal Communication Personnel
* Government Affairs Professionals
* Corporate Communicators
* Emergency Management
* Crisis and Disaster Response Planners
* Web Communication Practitioners
* Journalists/Reporters
* Continuity of Operations Planners
* Media Relations Professionals
* Communication Scholars and Researchers
* Communication Students
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* Public Agency Administrators
* Local, State and Federal Elected Government Officials
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From:	ORourke, Christine
To:	Baker, Pamela; Clifford, James; Collins, Daniel; Dean, Bill; Lew, David; Lorson, Raymond; Miller, Chris; Roberts, Darrell; Walker, Tracy; Wilson, Peter; Bellamy, Ronald; Burritt, Arthur; Conte, Richard; Dean, Michael; Dentel, Glenn; Doerflein, Lawrence; Dwyer, James; Ferdas, Marc; Gray, Mel; Hansell, Samuel; Henderson, Pamela; Holody, Daniel; Jackson, Donald; Joustra, Judith; Krohn, Paul; Powell, Raymond; Rogge, John; Royal, Judith; Rule, David; Trapp, James; Welling, Blake
Cc:	Broadwater, Lynne; Todd, Colleen; Bearde, Diane; Haverkamp, Trisha; Heater, Keith; Larche, Linda; Martin, Starlet; Matakas, Gina; Miskey, Cheryl; ODaniell, Cynthia; Pinkham, Laurie; Powell, Gerry; Thompson, Margaret; Toukatly, Kelly
Subject:	MARCH 23 EXECUTIVE LEADERSHIP SEMINAR
Date:	Thursday, March 17, 2011 11:45:11 AM

The next NRC Executive Leadership Seminar (ELS) is scheduled for Wednesday, March 23, from 1:30 pm to 3:30 pm. It will be broadcast via VTC in the Public Meeting Room. All Region I managers and supervisors are invited to attend.

This ELS will take a different approach than previous seminars. A major focus of the seminar will be on presentation of the latest organizational research conducted by the Corporate Executive Board on the topic of Employee Engagement and what drives it

Specific information on the seminar is below:

Speaker: Mr. Adam Cole, Corporate Executive Board (CEB)

Title of Presentation: Building Engagement Capital

Description:

The title of the seminar is "Building Engagement Capital". The seminar will present the latest organizational research on employee engagement conducted by the Corporate Executive Board. Special emphasis will be on the major drivers contributing to employee engagement, and the relative strength and staying power of the various top drivers.

Program Outline:

Definition of Employee Engagement:
Engagement is the extent to which employees commit to something or someone in their organization, how hard they work, and how long they stay as a result of that commitment. An employee's level of engagement is directly correlated to their intent to stay with an organization as well as the amount of effort impacting their performance.

Outcomes of Employee Engagement:
Employees that are committed work 57% harder and are 9 times less likely to leave.

Key Engagement Drivers:
More than 300 potential drivers of engagement were analyzed and the top five drivers of engagement were identified.

Chris M. O'Rourke
HR Specialist
USNRC-Region I
610-337-5386

610-337-5180 (fax)
Christine.orourke@nrc.gov

From: Hon, Andrew
To: Philpott, Stephen; Jolicoeur, John
Cc: Calero, Alicia; Cruz, Holly; Golla, Joe; Lenning, Ekaterina; Rowley, Jonathan; Stuchell, Sheldon
Subject: RE: Q2 accomplishments and completions by COB today
Date: Thursday, March 17, 2011 11:47:12 AM

Thanks Steve, (b)(5)

(b)(5)

Andy

From: Philpott, Stephen
Sent: Thursday, March 17, 2011 11:25 AM
To: Hon, Andrew; Jolicoeur, John
Cc: Calero, Alicia; Cruz, Holly; Golla, Joe; Lenning, Ekaterina; Rowley, Jonathan; Stuchell, Sheldon
Subject: RE: Q2 accomplishments and completions by COB today

Andy / John,

(b)(5)

Thanks,
Steve

From: Hon, Andrew
Sent: Thursday, March 17, 2011 9:26 AM
To: Jolicoeur, John
Cc: Calero, Alicia; Cruz, Holly; Golla, Joe; Lenning, Ekaterina; Philpott, Stephen; Rowley, Jonathan; Stuchell, Sheldon
Subject: Q2 accomplishments and completions by COB today

John,

(b)(5)

(b)(5)

Andy

From: Hon, Andrew
Sent: Thursday, February 10, 2011 4:38 PM
To: Ash, Melissa
Cc: Calero, Alicia; Cruz, Holly; Golla, Joe; Jolicoeur, John; Lenning, Ekaterina; Philpott, Stephen; Rowley, Jonathan; Stuchell, Sheldon
Subject: RE: Q1 accomplishments and completions by COB today

Melissa,

(b)(5)

Andy

From: Ash, Melissa
Sent: Thursday, February 10, 2011 7:41 AM
To: Baxley, Dana; Brown, Nathan; Calero, Alicia; Cruz, Holly; Golla, Joe; Hon, Andrew; Honcharik, Michelle; Lenning, Ekaterina; Miller, Barry; Philpott, Stephen; Rowley, Jonathan; Stuchell, Sheldon
Subject: Q1 accomplishments and completions by COB today
Importance: High

Please submit a list of accomplishments from quarter 1 for the upcoming PR quarterly meeting. For example, completed TIA (include region), TR, TSTF; office document/procedure; employee achievement (service, award); etc.

Best,

Melissa Ash
Acting Licensing Processes Branch Chief (PLPB) Division of Policy and Rulemaking (DPR) Nuclear Reactor Regulation (NRR) Office
Office: O-11E18
Mailstop: O-12D1
Phone: (301) 415-7251
NRC BlackBerry: (b)(6)
Email: melissa.ash@nrc.gov

From: Frumkin, Daniel
To: Cheok, Michael; Klein, Alex
Cc: Lee, Samson; Qualls, Phil
Subject: RE: Dan ACTION: NEI 2010 Fire forum items
Date: Thursday, March 17, 2011 11:53:11 AM

Alex,

Let me provide a little status on these issues, licensing basis alignment and enhanced operator rounds.

(b)(5)

Dan

From: Cheok, Michael
Sent: Thursday, March 17, 2011 8:43 AM
To: Klein, Alex; Frumkin, Daniel
Cc: Lee, Samson
Subject: RE: Dan ACTION: NEI 2010 Fire forum items

Thanks Alex

Before we do too much prep work, we may want to touch base with NEI in terms of getting a common understanding of the topics that are "issues of interest" - so that we are more effective in our preps. This could also help plan the agenda for the public meeting.

From: Klein, Alex
Sent: Thursday, March 17, 2011 8:05 AM
To: Frumkin, Daniel
Cc: Cheok, Michael; Lee, Samson
Subject: Dan ACTION: NEI 2010 Fire forum items

Dan,

As you recall, one of the items that came out of the 2010 NEI fire protection forum was a need to hold a public meeting(s) with the industry to further discuss MSOs; licensing basis alignment and enhanced operator rounds (comp measures). The industry was pushing back on the staff's position in these areas and we stopped the discussion because we felt that it should take place in a public meeting with additional stakeholders (transparency).

Jack would like us to followup on this.

Your action items are to define the issues that we had discussed at the NEI forum with respect to MSOs; licensing basis and enhanced operator rounds; develop recommendations for resolving these issues and gain internal staff alignment; and setup the public meeting (coordinate with NEI to determine industry availability) to discuss our position.

Please let me know by early next week your best estimate schedule and milestone dates for the above actions so that Mike can communicate back to Jack.

Thanks.

Alex

From: Boger, Bruce
To: Holian, Brian
Subject: RE: VY...Lic Ren
Date: Thursday, March 17, 2011 11:55:00 AM

Brian, Nice reach out. (b)(5)

(b)(5)

From: Holian, Brian
Sent: Thursday, March 17, 2011 10:38 AM
To: Lew, David; Dean, Bill; Boger, Bruce; Leeds, Eric
Cc: Galloway, Melanie; Pham, Bo; Burnell, Scott; Dacus, Eugene; Nelson, Robert; Giitter, Joseph; Howe, Allen; Screnci, Diane; Sheehan, Neil; Roberts, Darrell; Wilson, Peter; Spencer, Mary; Pelton, David
Subject: VY...Lic Ren

As of today, we plan to issue the VY license on Monday.

The timing has not been discussed... I would expect we may sign it prior to the 0900 Commission meeting on the Japan event. (I will try and firm up a time today and get back to you).

DLR will fax it to the licensee after it is signed.

I do not believe we will do any press release...DLR/NRR will continue to work the Comm plan with Region I and OPA. (we are working some backup Q and A on VY hardened vent, etc.)

The basic answer to questions on "why renew now"....will be that the applicant has satisfied the requirements of Part 54. The staff has completed an extensive review. In light of the event in Japan, the NRC is doing, and will complete, an extensive review – and any regulatory changes (short term or long term) will be applied through Part 50 on the applicable plants (irrespective of whether a plant has gone through license renewal or not).

Bill...I know you'll want to let the Governor's office know a little in advance. I would hope Monday morning early is time enough...as I'm sure you are all concerned that we not unnecessarily cycle the government offices / news organizations prior to that (esp. if there is some minor change).

- Brian

From:	Ferrell, Kimberly
To:	Lee, Samson
Cc:	Cheok, Michael; Givvines, Mary
Subject:	RE: Organizational Effectiveness Functions - Sensitive
Date:	Thursday, March 17, 2011 12:04:17 PM

Thanks for your feedback.

From: Lee, Samson
Sent: Thursday, March 17, 2011 11:28 AM
To: Ferrell, Kimberly
Cc: Cheok, Michael; Givvines, Mary
Subject: RE: Organizational Effectiveness Functions - Sensitive

Kim:

I talked with the branch chiefs as requested. We could not identify anything specific to the branches that the OE staffers did. However, one OE staffer is involved with the Branch Chief Council and the Knowledge Management Center.

Thanks,
Sam

From: Ferrell, Kimberly
Sent: Monday, March 14, 2011 4:54 PM
To: Brown, Frederick; Evans, Michele; Ferrell, Kimberly; Giitter, Joseph; Givvines, Mary; Hiland, Patrick; Holian, Brian; Lee, Samson; McGinty, Tim; Ruland, William; Skeen, David; Thomas, Brian; Bahadur, Sher; Blount, Tom; Cheok, Michael; Galloway, Melanie; Howe, Allen; Lubinski, John; Lund, Louise; Nelson, Robert; Quay, Theodore
Subject: Organizational Effectiveness Functions - Sensitive

LT Members,

As part of PMDA's ongoing efforts to improve efficiency and maximize resources, we are reviewing the Organizational Effectiveness (OE) functions which currently reside within HCB.

We'd like LT comments on what services your Division may be utilizing from the OE staff. We'd also appreciate comments on the significance, frequency, or complexity of OE staff involvement.

Please provide your comments to me with a cc: to Mary Givvines by COB Wednesday, March 16.

Please let me know if you have any questions.

Thanks!

Kimberly

From: Harrison, Donnie
To: Graham, Camillea; Cheok, Michael; Heida, Bruce; Lee, Samson
Subject: RE: APLA Project/Spending Plan
Date: Thursday, March 17, 2011 12:10:47 PM

Camillea,

Can you please move this meeting to next week (or Friday if Mike is in the office then). Sorry for the late notice.

From: Graham, Camillea
Sent: Tuesday, March 01, 2011 9:01 AM
Required: Graham, Camillea; Harrison, Donnie; Cheok, Michael; Heida, Bruce; Lee, Samson
Subject: APLA Project/Spending Plan
When: Thursday, March 17, 2011 1:00 PM-2:00 PM.
Where: 10H01 (Mike Cheok's Office)

When: Thursday, March 17, 2011 1:00 PM-2:00 PM (GMT-05:00) Eastern Time (US & Canada).
Where: 10H01 (Mike Cheok's Office)

Note: The GMT offset above does not reflect daylight saving time adjustments.

~~*~*~*~*~*~*~*~*~*

From: CIRCADIAN
To: Cheok, Michael
Subject: Reducing Shift Schedule Costs - Complimentary White Paper
Date: Thursday, March 17, 2011 12:14:28 PM

---

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From: Graham, Camillea
To: Cheok, Michael
Subject: Message
Date: Thursday, March 17, 2011 12:14:34 PM

Mike,

Sher called for you again x6289

Camillea Graham
Administrative Assistant
Division of Risk Assessment (DRA)
301-415-2884

From: Cheok, Michael
To: Klein, Alex
Cc: Lee, Samson
Subject: RE: Dan ACTION: NEI 2010 Fire forum items
Date: Thursday, March 17, 2011 12:21:00 PM

I also read Dan's e-mail. I think that, one of the reasons we have "discussions" with stakeholders is to hear their point of view, and to communicate with them as to what our issues are (what outcomes we are trying to achieve, etc.) . If we go into these meetings with set/fixed positions, then there will be no use for discussions – we have already made up our minds and will not be willing to budge. If we go into the meetings with the idea of getting to our desired outcome, then maybe, the other stakeholders can get us to those outcomes in a more efficient (or more desirable) way. Just a thought.

Mike

From: Klein, Alex
Sent: Thursday, March 17, 2011 12:09 PM
To: Cheok, Michael
Subject: RE: Dan ACTION: NEI 2010 Fire forum items

Not yet. I need to talk to Dan about his latest email (you were cc'd).

From: Cheok, Michael
Sent: Thursday, March 17, 2011 12:06 PM
To: Klein, Alex
Subject: RE: Dan ACTION: NEI 2010 Fire forum items

Can I (or should I) email Jack on proposed DRA actions based on the words below?

From: Klein, Alex
Sent: Thursday, March 17, 2011 8:05 AM
To: Frumkin, Daniel
Cc: Cheok, Michael; Lee, Samson
Subject: Dan ACTION: NEI 2010 Fire forum items

Dan,

As you recall, one of the items that came out of the 2010 NEI fire protection forum was a need to hold a public meeting(s) with the industry to further discuss MSOs; licensing basis alignment and enhanced operator rounds (comp measures). The industry was pushing back on the staff's position in these areas and we stopped the discussion because we felt that it should take place in a public meeting with additional stakeholders (transparency).

Jack would like us to followup on this.

Your action items are to define the issues that we had discussed at the NEI forum with respect to MSOs; licensing basis and enhanced operator rounds; develop recommendations for resolving these issues and gain internal staff alignment; and setup the public meeting (coordinate with NEI to determine industry availability) to discuss our position.

Please let me know by early next week your best estimate schedule and milestone dates for the above actions so that Mike can communicate back to Jack.

Thanks.

Alex

From:	Givvines, Mary
To:	NRR PMDA Distribution
Cc:	Leeds, Eric; Boger, Bruce; Grobe, Jack
Subject:	PMDA Announcements
Date:	Thursday, March 17, 2011 12:21:55 PM

All,

I hope all of you are doing the best you can given the sad and difficult situation in Japan. This situation further highlights just how grateful we are and puts our challenges and issues in perspective!

I have a few announcements to make.

1) I am thrilled to announce that our very own Sandra Walker has been selected to receive a Meritorious award. This is a huge honor and attests to her outstanding performance. Please stop by and congratulate her.

2) I am also happy to report that Laura Gerke and Ilyne Miller, who provide NRR "Organizational Effectiveness to include Culture Survey Activities and Knowledge Management Activities" services will be moved from HCB to the PMDA front office.

3) I am "not as happy" to report that I will be performing a rotational assignment lasting 4-6 months to SBCR. My role would be to support Ren Kelley, the Office Director, and look for opportunities to increase organizational capacity. I'm also looking forward to learning more about the SBCR programs. I do not know who my backfill will be during this rotation but trust you will support them as you have supported me. As far as I know, my start date will be April 11th.

Please see me if you have any questions.

Mary

Mary Givvines
Director, Program Management, Policy Development and Analysis Staff
Office of the Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
(301) 415-1275; Mary.Givvines@nrc.gov

From: Graham, Camillea
To: Cheok, Michael
Subject: RE: Difficult Conversations Training
Date: Thursday, March 17, 2011 12:26:07 PM

Oh! OK, thanks!

From: Cheok, Michael
Sent: Thursday, March 17, 2011 12:24 PM
To: Graham, Camillea
Subject: RE: Difficult Conversations Training

Yea, I plan on taking my CWS tomorrow.

Also, we just found out 2 hours ago, that the Difficult Conversations training has been postponed due to working going on to support the Japan event.

From: Graham, Camillea
Sent: Thursday, March 17, 2011 12:17 PM
To: Cheok, Michael
Subject: Difficult Conversations Training

Hi Mike,

Are you attending this Training next Tuesday and Wednesday? Also, is your CWS tomorrow??

Camillea Graham
Administrative Assistant
Division of Risk Assessment (DRA)
301-415-2884

From: (b)(6)
To: Lubinski, John
Subject: (b)(6)
Date: Thursday, March 17, 2011 12:28:33 PM

(b)(6)

(b)(6)

From: McHale, John
To: Cheok, Michael
Subject: RE: Voucher (Trip ID: 2660521, Voucher ID: 1) is pending your approval
Date: Thursday, March 17, 2011 12:32:36 PM

Thanks Mike. I know it takes a while to get supervisor chain updated in e-Travel – hope you won't be bothered too much longer.

From: Cheok, Michael
Sent: Thursday, March 17, 2011 12:14 PM
To: Westreich, Barry; McHale, John
Subject: FW: Voucher (Trip ID: 2660521, Voucher ID: 1) is pending your approval

FYI – I went ahead and approved this since I approved the travel authorization.

Barry – hopefully you are OK with this.

From: etravelservices@carlson.com [mailto:etravelservices@carlson.com]
Sent: Thursday, March 17, 2011 9:35 AM
To: Cheok, Michael
Subject: Voucher (Trip ID: 2660521, Voucher ID: 1) is pending your approval

Dear eTravel Approver,

The traveler has completed his/her voucher and is now awaiting your approval. Please access E2 and approve or return the claim.

Actual Voucher Expenses: $ 211.55
Total Trip Estimated Cost: $ 309.70

Trip ID : 2660521
Voucher ID : 1
Traveler : MCHALE, JOHN
Destination: CAMBRIDGE, MD
TDY Type : INFORMATION MEETING
Purpose : Attend NRO/DCIP Counterpart Meeting
Voucher Dates : 2011-03-15 To 2011-03-16
Status : Pending Voucher Approval

Thank you for using E2 Solutions. Help and support is available online by selecting the 'Find Answers' link. Please note: Replies to this mailbox are not monitored.

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From: Federal Computer Week Magazine
To: Cheok, Michael
Subject: Access your digital edition today
Date: Friday, March 18, 2011 12:32:46 PM

Dear MICHAEL,

Here at FEDERAL COMPUTER WEEK, we understand that your time is valuable so we decided to take this opportunity to highlight some of the top stories from the most recent issue which you have yet to download.

To download, please click on the link below the issue:

======== March 14th =========
http://www.digital.1105pubs.com/t.do?id=7397163:24998493&FW_ACCOUNTNBR=282129030

In this issue:
- Recharging the CIO: How to Bolster the Role of agency CIO's
- Scoping Out the Future of the Federal Workforce
- Turn Your Employees into Cloud Cowboys
- Pay for Performance is Back on the Table - Again

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In this issue:
- Agency Insider Threats: Some Leaks Can't Be Stopped
- Terry Watson, Deputy PEO-EIS, Army: Creative Approaches to Budget Challenges
- How Outsourcing Keeps The U.S. on Top
- Digital Archives: NARA Falls Behind the Curve

Thank you.

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From: Wilson, Peter
To: Coe, Doug; Coyne, Kevin
Date: Thursday, March 17, 2011 12:36:18 PM
Importance: High

Doug and Kevin,

Please call me when you can. Region I needs your help (RES) is responding to questions we are receiving from of State Government stakeholders on GI-199.

Pete

Peter R. Wilson
Acting Director
Divsion of Reactor Safety, Region I
U.S. Nuclear Regulatory Commission
610-337-5126 (W)
(b)(6) (C)
610-337-6928 (fax)
peter.wilson@nrc.gov

From: CSC_PasswordStation@nrc.gov
To: Virgilio, Martin
Subject: NRC Customer Support Center: Your Password Will Expire in 11 Days
Date: Thursday, March 17, 2011 12:45:19 PM

NRC Customer Support Center: Your Password Will Expire in 11 Days

We recommend that you change your network password now to avoid any potential difficulties logging in to your workstation.

Changing your password with Avatier Password Station is a quick and simple process - You will not have to reboot your workstation or log off after changing your password.

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http://www.internal.nrc.gov/ois/CScatalog/customerservicecatalogs/announcements/changingpassword.html

If you already know how to change your password using Password Station, and would like to go to Password Station now, click the following link: https://selfservice.nrc.gov/aims/ps/default.aspx

Note: If you're reading this email through Outlook Web Access, this link will not work. Please log in to the NRC network directly, or through Citrix remote access, to use Password Station.

If you require additional assistance, please contact the Customer Support Center (CSC).

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Mon – Fri 6:00 AM – 9:00 PM (EST) and Sat and Sun 9:00 AM – 9:00PM (EST)
Phone: 301-415-1234, Option 2
Email: CSC@nrc.gov

Note: Please do not reply to this email. This is for notification only and your emails will not be received.

From: Leeds, Eric
To: YOUNG, GARRY G
Subject: RE: Support for LTO Meeting in Paris
Date: Thursday, March 17, 2011 12:49:00 PM

Thanks, Garry. Perhaps another time.

Eric J. Leeds, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
301-415-1270

From: YOUNG, GARRY G [mailto:GYOUNG4@entergy.com]
Sent: Thursday, March 17, 2011 9:49 AM
To: Leeds, Eric
Subject: RE: Support for LTO Meeting in Paris

Eric,

Sorry for the delay in responding, but we were trying to work something out internally to support this meeting and we were also diverted due to the Japanese situation. Unfortunately, due to budget constraints and other previous commitments, Entergy will not be able to support this meeting in Paris. Thank you for the invitation and it certainly looks like a relevant and useful meeting. We wish you and everyone involved in this meeting the best.

Garry

Garry G. Young
Director, Nuclear Business Development
Entergy Nuclear
601-368-5208 (work)
(b)(6) (mobile)
gyoung4@entergy.com

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From: Leeds, Eric [mailto:Eric.Leeds@nrc.gov]
Sent: Wednesday, March 16, 2011 3:47 PM
To: YOUNG, GARRY G
Subject: Support for LTO Meeting in Paris

Garry –

I've been distracted by the events in Japan and have not kept up with my emails. Can Entergy support the June 8 meeting in Paris?

Thanks for your help!

Eric J. Leeds, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
301-415-1270

From:	Wiggins, Jim
To:	Grobe, Jack
Subject:	Out of Office: Question w.r.t. NRC"s New Strategic Plan for Out Years for you to ponder
Date:	Thursday, March 17, 2011 12:52:23 PM

I am out of the office. I will return on Monday, 3/21/11.

Since I just can't bring myself to completely shutdown, I'll be occasionally checking messages via Blackberry and CITREX. However, if you need something done in the office, please call Michele Evans or Amy Salus (415-7476).

From: Cheok, Michael
To: (b)(6)
Subject: IAEA sponsored courses
Date: Thursday, March 17, 2011 12:53:00 PM

Hi Mark – hope you are enjoying your retirement. As you know, things here are always somewhat hectic, and the events in Japan are not helping.

One request came in from Mark Petri (ANL) concerning your availability. (I did not know whether you wanted me to share your contact information, so I offered to act as the "middle man") Mr. Petri said that you had previously done some IAEA (DOE) sponsored courses for them and was wondering if you are interested in continuing (even as a retired person, they were interested in your expertise.) I think he also said that per diems, etc will be covered by DOE (but you should verify). You can contact Mark P directly using the info below. Or if you would like, I can pass on your answer to him.

Cheers

Mike

Mark C. Petri
Technology Development Director
Energy Engineering and Systems Analysis Directorate
Argonne National Laboratory
630-252-3719
mcpetri@anl.gov

From: EUCI Events
To: Gcila, Joe
Subject: The Future of Nuclear Project Development: Economics and Costs
Date: Thursday, March 17, 2011 12:56:32 PM

Economic and Cost-Realities of Nuclear Project Development

May 2-3, 2011 :: Rockville, MD

Overview

Recent international developments in both industry and government will clearly impact the future expansion of nuclear power. How will these developments influence economic considerations in the analysis of the viability of nuclear projects? What are the facts and what is the fiction?

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- Traditional ways industries control costs and how that applies to nuclear energy
- Relative nuclear cost-contributors in construction and operations
- Investors' concerns about nuclear projects and how they can be addressed
- How 10 CFR Part 52 attempts to address (and manage) the cost-question, including issues that could lead to licensing problems
- Factors that project managers should anticipate in order to control cost risk and avoid falling into old cost traps, repeating past nuclear cost-overrun performance
- Methods to manage and control nuclear project costs
- Issues that threaten nuclear cost-escalation

Full Agenda

Presented By

Jim August, P.E., Nuclear Engineer, CORE, Inc.

Bryan Kelly, Esquire, Principal, Surety Insider LLC

Full Instructor Bios

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May 5-6, 2011
Rockville, MD

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- Utility Business and Management
- Human Resources
- Regulatory, Policy and Legal Issues

If you no longer wish to get these emails, you may delete your name from our distribution lists here

Murphy, Martin

From: Diaz-Castillo, Yamir
Sent: Thursday, March 17, 2011 12:59 PM
To: Harvey, Mark W
Cc: Murphy, Martin; Pettis, Robert
Subject: RE: ILAC Industry Initiative Status - Meeting availability

Mark,

Please add the following NRC staff as potential attendees of the meeting:

Martin Murphy
Robert Pettis

From: Harvey, Mark W [mailto:mark.harvey@unistarnuclear.com]
Sent: Wednesday, March 16, 2011 1:46 PM
To: Pitts Jr, Alfred; Wilfred_LaRochelle@HSBCT.COM; Diaz-Castillo, Yamir; McIntyre, Richard; brianr.johnson@ge.com; mscanlan@tane.toshiba.com; ziesinrf@westinghouse.com; pedro.salas@areva.com; joseph_tapia@mnes-us.com; drsenner@energy-northwest.com; John.Simmons@luminant.com; John Giddens (jmgidden@southernco.com); Smith, Marion; Kerry Rhoads
Cc: BELL, Russ
Subject: ILAC Industry Initiative Status - Meeting availability

Gentlemen,

As many of you are aware, the qualification and use of international calibration and testing laboratories has posed a challenge to the nuclear industry due to issues regarding the ability of individual utilities and suppliers to audit or survey these facilities. NEI has recently been engaged in communication with the NRC, NUPIC, ILAC and NVLAP to help gain a better understanding of our options as an industry; and to establish a means that can be used by all stakeholders to qualify these calibration and testing facilities and/or processes. The first step in this effort is to have a meeting in which we can share ideas and issues.

I have been in contact with representatives of ILAC and NVLAP, and they have generously offered to host a meeting at the NIST office in Gaithersburg, MD on the afternoon of March 31, 2011. At this point we have confirmed representation from the following groups:

- ILAC
- NIST
- NVLAP
- NRC
- NEI
- NUPIC
- NCSLI

It is very important that the concerns of all parties be communicated so we can work towards a solution for the industry. It is imperative that our solution be able to be implemented by both utilities and suppliers. I believe that each person on distribution has some level of interest regarding this issue.

I apologize for the short notice, but it is critical that we begin moving forward on this issue and this is the first opportunity I have had to get the people from ILAC and NVLAP to participate. We are working on a final agenda for the meeting, but at this point I am planning on having the following presentations and discussions:

- ILAC Overview – Peter Unger (ILAC)

- Accrediting Bodies and MRA – Sally Bruce (NVLAP)
- Documentary Standards vs. Regulations, Committee Work for Consensus Standards – Ambler Thompson (NIST)
- NRC Perspective - TBD
- User Challenges – TBD
- Brainstorming Session – Plan Forward (Who? What? When?)

Please provide any recommendations for topics which you feel would be of benefit at this meeting.

I will issue formal invitations to the meeting once I have determined a level of interest from each of you. It may be that the individual listed in the distribution above is not the right representative from your organization. If that is the case, please pass this along to the right person(s).

I need to have a list of people that will be attending this meeting so that I can pass this along to NIST as special arrangements are necessary. Additional information is needed for international attendees, but we can address that after we have determined who plans to attend. Please provide a response regarding your organization's participation no later than Wednesday, March 23, 2011.

Thank you for your support on this issue,

Mark W. Harvey

Senior Project Manager, New Plant Deployment
Nuclear Energy Institute
1776 Eye (I) Street
Suite 400
Washington, DC 20006-3708

(410) 470-5541 (office)
(b)(6) (cell)

Murphy, Martin

From: Murphy, Martin
Sent: Thursday, March 17, 2011 1:08 PM
To: Prescott, Paul
Cc: Fanelli, Theodore
Subject: Priority Question

Importance: High

Question – Watts Bar 2 Inspection

Subject Foxboro Spec 200 System – I&C control system

(b)(5)

Marty

Satorius, Mark

From: Pederson, Cynthia
Sent: Thursday, March 17, 2011 1:16 PM
To: Langstaff, Ronald; Satorius, Mark
Cc: LaFranzo, Michael; Lougheed, Patricia
Subject: RE: Thank you for sharing information with the staff

Thank you for the feedback. As you just heard over the PA, today at 2:00 we will be holding an informal discussion on the Japanese events primarily focused for the non-technical staff to help them with understanding and context of what they are hearing and receiving.

From: Langstaff, Ronald
Sent: Thursday, March 17, 2011 12:48 PM
To: Satorius, Mark; Pederson, Cynthia
Cc: LaFranzo, Michael; Lougheed, Patricia
Subject: Thank you for sharing information with the staff

Mark and Cindy,

I would like to thank you both of you for sharing what information you can with the staff concerning the Japanese Earthquake/Tsunami updates. From what I understand, many offices are not sharing this information. We appreciate the trust you've placed in the staff in sharing this information. Having the information helps us understand the seriousness of the situation and further appreciate the significance of the jobs we do.

- Ron Langstaff, RIII VP, NTEU

From:	Lubinski, John
To:	Thomas, Brian
Subject:	FW: Follow up actions from bi-lat
Date:	Thursday, March 17, 2011 1:19:00 PM
Attachments:	Action Item Chart.xlsx

Electronic of version I provided yesterday.

From: Astwood, Heather
Sent: Wednesday, March 09, 2011 6:43 PM
To: Leeds, Eric; Boger, Bruce; Grobe, Jack
Cc: Regan, Christopher; Hopkins, Jon; Cullingford, Michael; Lubinski, John; Quinones, Lauren
Subject: Follow up actions from bi-lat

Eric, Bruce, Jack –

This is not complete yet, but Mike and I wanted you to know that we are working on a simple tracking list for the actions that were given to NRR today during the bi-lats.

We will finish filling this out and will assign people to complete the tasks. This would be a great place to keep any other international action items that you may have picked up in other meetings. Please let us know if there are other things you would like to add.

Note there is a different spread sheet for France, Japan, and Finland.

Heather Astwood
International Team Leader
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
301-415-1075

Country	Topic Area	Action Items	Responsible Division	Status
Japan	RIC planning	Compile and send information on RIC statistics - costs, number and type sof attendees, NRC staff vs contactor effort, how it is funded		
	Digital I and C	Set up Video Conference/Face to face meeting		
	Periodic Safety Review (PSR)	Set up Video Conference/Face to face meeting		
	GSI-191, Sump Clogging Issue	Develop and send Questions outlining issue		
	Containment Accident Pressure	Develop and send Questions outlining issue		
	Spent Fuel Pool issues including Neutron Absorbing material degradation	Develop and send Questions outlining issue		
	Materials Related Topics(Steam Generator, Pressurized Thermal Shock (PTS), Mitigation of Dissimilar Metal Butt Welds and Buried Pipe Issues)	Proposed by Japan - Determine if this is an area of cooperation that NRC would like to pursue		
	Utilization of Risk Information on Reactor Facility	Proposed by Japan - Determine if this is an area of cooperation that NRC would like to pursue		
	Evaluation of the Aircraft Crash into Nuclear Facilities	Proposed by Japan - Determine if this is an area of cooperation that NRC would like to pursue		
	Severe Accident	Proposed by Japan - Determine if this is an area of cooperation that NRC would like to pursue		
	Performance Indicator (PI) and Significance Determination Process (SDP)	Proposed by Japan - Determine if this is an area of cooperation that NRC would like to pursue		

Country	Topic Area	Action Items	Responsible Division	Status
France	Pressure Vessel Behavior	Set up a VTC and then set up a follow up face to face meeting		
	Watts Barr - refurbishing moth balled plants	Set up VTC		
	Digital I&C	Set up meeting during June CNRA meeting		
	IRRS Lessons Learned	Set up VTC before Oct lesson learned workshop		
		Set up face to face just before or during lessons learned workshop		
	Task Force on Groundwater and Buried piping issue	Send Task Force report		
		Set up meeting during June CNRA meeting		

Country	Topic Area	Action Items	Responsible Division	Status
Finland	Operator Performance	Set up a VTC and then set up a follow up face to face meeting		
	Suspect, Counterfiet and Fradulent Parts	Turn over to Mike Johnson NRO		
	Digital I&C	Set up meeting during June CNRA meeting Coodinate with meeting with the French??		
	Safety Culture	Coordinate with OE and set up VTC Set date for future discussions - 1 year from now?		
	Cyber Secruity	Turn over to Mike Johnson NRO		

From:	Cheok, Michael
To:	Shoop, Undine
Subject:	FW: THANK YOU and ACTION: Sample Speaker Thank you Letter and Template for Unanswered Session Questions
Date:	Thursday, March 17, 2011 1:20:00 PM
Attachments:	Sample Speaker TY Ltr.doc Sample Format for Qs&As.docx
Importance:	High

Undine - Thanks again for taking over the ROP discussion. Andy Campbell came by and provided me with very positive feedback. But, as always, good deeds shall not go unpunished – see below for a potential followup action (if you did not answer all your questions during the RIC)

Mike

From: Langlie, Liz
Sent: Thursday, March 17, 2011 1:00 PM
To: Prescott, Paul; Hall, Victor; Zhang, Deanna; Rebstock, Paul; Hilton, Nick; Cool, Donald; Dehmel, Jean-Claude; Jankovich, John; Poole, Brooke; Dube, Donald; Lois, Erasmia; Stutzke, Martin; Hudson, Daniel; Drouin, Mary; Nove, Carol; Scarbrough, Thomas; Lee, Mike; Dean, Bill; McCree, Victor; Satorius, Mark; Collins, Elmo; Denissen, Christie; Munson, Clifford; Ake, Jon; Manoly, Kamal; Kokajko, Lawrence; Miller, Kenn; Daley, Robert; Tappert, John; Casto, Chuck; Kahler, Robert; Dozier, Jerry; Imboden, Andy; Stone, AnnMarie; Galloway, Melanie; Howe, Andrew; Tjader, Theodore; Mrowca, Lynn; Sieracki, Diane; Cheok, Michael; Cai, June; Dion, Jeanne; Pederson, Perry; Costello, Ralph; Hiser, Allen; Carpenter, Gene; Frumkin, Daniel; Held, Wesley; Scales, Kerby; Roquecruz, Carla; Concepcion, Milton; Day, Kerstun; Shaffer, Vered; Cullingford, Michael; Bailey, Stewart; Cloyd, SherVerne; Tetter, Keith; Moyer, Carol; Carpenter, Robert; Stevens, Gary; Kennedy, James; Barkley, Richard; Markley, Michael; Doolittle, Elizabeth; Som, Swagata; Rivera-Varona, Aida; Mroz (Sahm), Sara; Sangimino, Donna-Marie; Drucker, David; Evans, Jonathan; Thompson, Catherine; Cai, June; Emche, Danielle; VandenBerghe, John; Tregoning, Robert; Oudinot, Daniele; Mills, Daniel; Gall, Jennifer; Calvo, Antony; Anooshehpoor, Rasool; Miller, Barry; Sakai, Stacie; Williams, Donna; Cartwright, William; Tene, Kimberly; Sallman, Ahsan; Sall, Basia; Reed, Wendy; Snyder, Amy; Cupidon, Les; Shropshire, Alan; Chang, Richard; Barrett, Harold; Xu, Jim; Lu, Shanlai; Park, Sunwoo; Hernandez, Raul; Gall, Jennifer; Ruland, William; Zigh, Ghani; Gingrich, Chester; Whitman, Josh; Esmaili, Hossein; Gibson, Kathy; Brock, Terry; Khanna, Meena; Klein, Paul; Hardies, Robert; Kozal, Jason; Powell, Raymond; Pederson, Cynthia; Guthrie, Eugene; Daley, Robert; Vegel, Anton; Brown, Frederick; Kelly, Joseph; Srinivasan, Makuteswara; Lobel, Richard; Laur, Steven; Mitchell, Reggie; Rheaume, Cynthia; Noggle, James; Libby, Earl; Case, Michael; Mizuno, Geary; Benowitz, Howard; Whitney, James; Schnetzler, Bonnie; Giantelli, Adelaide; Barry, Terrence; Chang, Richard; Schaperow, Jason; Tinkler, Charles; Santiago, Patricia; Patel, Jigar
Cc: Givvines, Mary; Kipfer, Lorna; Oliveto, Betsy; Reckley, William; Murphy, Martin; Sydnor, Russell; Zimmerman, Roy; Bush-Goddard, Stephanie; Cullingford, Michael; Ruland, William; Karlin, Alex; Demoss Gary; Norris, Wallace; Camper, Larry; Virgilio, Martin; Markley, Michael; Haney, Catherine; Wilson, George; Tappert, John; McDermott, Brian; Sheron, Brian; Holian, Brian; Harrison, Donnie; Elliott, Robert; Campbell, Andy; Doane, Margaret; Erlanger, Craig; Case, Michael; Klein, Alex; Mrowca, Lynn; Ulses, Anthony; Uhle, Jennifer; Gibson, Kathy; Gavrilas, Mirela; Virgilio, Martin; Holahan, Gary; Morris, Scott; Pederson, Cynthia; Scott, Michael; Dennig, Robert; Dyer, Jim; Nicholson, Thomas; Matthews, David; Johnson, Clay; Coffin, Stephanie; Bonaccorso, Amy; Anderson, Patricia; Schum, Constance; Wright, Jason; Padilla, William; Doan, Brian; Coates, Carlotta; Emche, Danielle; Doolittle, Elizabeth; Galloway, Melanie; Case, Michael; Dudes, Laura; Lorson, Raymond; Cullingford, Michael; Machalek, Woody; Wilson, George; Knowles, Eric; Valentin, Andrea; Betsy Oliveto
Subject: THANK YOU and ACTION: Sample Speaker Thank you Letter and Template for Unanswered Session Questions
Importance: High

Dear Session Coordinators and Chairs,

The 2011 RIC was very successful and I thank you on behalf of Lorna Kipfer, Betsy Oliveto and the RIC Planning Committee for greatly adding to that success! We have received many compliments on the technical session content and we appreciate the hard work you and your speakers put into making RIC sessions educational, timely and interesting.

It is now time for conference wrap up actions, which include thanking all speakers for their participation and responding to unanswered session questions, which will be posted on the RIC website. Attached is a sample speaker thank you letter for your reference – feel free to customize the letter to meet your needs. Please send thank you notes to your speakers in the next couple of weeks and let us know via email when this action has been completed – *we do not need to be copied on thank you notes.* Feel free to send your thank you letters via regular mail or email.

Also attached is a question and answer template. If you have unanswered questions from your session, please respond in the *Option A* format listed on the attached template; or, if all questions were answered at your session onsite, please respond in the *Option B* format. Please send your responses to me at liz.langlie@nrc.gov by March 23.

Our goal is to have audio and video of plenary sessions, audio of technical sessions, transcripts for plenary and technical sessions, updated technical presentations and unanswered questions on the external website by the end of March. We understand that it is an extremely busy time for many of you as a result of the Japan earthquake and tsunami, so please let us know if you are unable to send responses to unanswered questions by March 23.

I enjoyed working with each of you on the RIC technical sessions this year and I hope to work with you again on RIC 2012! Please don't hesitate to contact me or Lorna Kipfer if you have any questions and thank you again for your efforts to make the RIC such a successful conference.

Best,
Liz

Liz Langlie
Program Specialist, NRR/PMDA
U.S. Nuclear Regulatory Commission (NRC)
301/415-7237
O-13E9
liz.langlie@nrc.gov

RIC 2011
Marriott Bethesda North Hotel & Conference Center
March 8–10

From: Cheok, Michael
To: Lubinski, John
Subject: RE: NRR Emergency Officer Duty Schedule March 22, 2011 - March 29, 2011
Date: Thursday, March 17, 2011 1:23:00 PM

Are all TA briefs now set for the fixed times of 8am and 8pm?

(I just realized that I now cannot have my green beer tonight!)

From: Lubinski, John
Sent: Thursday, March 17, 2011 1:06 PM
To: Cheok, Michael; Bahadur, Sher
Cc: Westreich, Barry
Subject: FW: NRR Emergency Officer Duty Schedule March 22, 2011 - March 29, 2011

Big Thanks

From: Bahadur, Sher
Sent: Thursday, March 17, 2011 1:05 PM
To: Cunningham, Liza
Cc: Thorp, John; HOO Hoc; Gray, Kathy; ROO hoc; Lubinski, John; Cheok, Michael
Subject: RE: NRR Emergency Officer Duty Schedule March 22, 2011 - March 29, 2011

Liza,

John Lubinski is actively involved in Op Center over the Japanese situation. He has cut short his EO duty and handed it over to Mike Cheok effective today [Thursday, March 17]. Also, Mike Cheok and I have swapped the EO duty as follows: Mike Cheok: 3/22; Sher Bahadur: 5/10

Call me if any Qs

Sher

SHER BAHADUR;
sher.bahadur@nrc.gov

From: Cunningham, Liza
Sent: Thursday, March 17, 2011 9:41 AM
To: Bahadur, Sher
Cc: Thorp, John; HOO Hoc; King, Mark; Thomas, Eric; Gray, Kathy; ROO hoc; Brown, Frederick; Cunningham, Liza; Lubinski, John; Giitter, Joseph
Subject: NRR Emergency Officer Duty Schedule March 22, 2011 - March 29, 2011

Dear Sher Bahadur,

I am sending this email confirming that you will become the EO on Tuesday, March 22, 2011. You should receive the EO briefcase from John Lubinski on Tuesday, March 22, 2011, and on Tuesday, March 29, 2011, you will turn over the EO briefcase to Joe Giitter.

As the ongoing EO, please be sure to attend the events briefing of the ET in Room O-

13D20 on March 22, 2011 at 7:45 am.

If you have any questions, please contact Kathy Gray at 415-1166 or by email Kathy.Gray@nrc.gov.

John Thorp is the Daytime EO and can be reached at 202-669-4218 or 410-474-0911. When John is not available for Daytime EO duty, his alternate can be identified and contacted via the HOO. The current list of alternate daytime EO's in call-first priority order is [redacted]

Thanks,
Liza

Elizabeth (Liza) Cunningham
Nuclear Regulatory Commission
NRR/DIRS/IOEB
M/S O-12G13
301-415-3226
liza.cunningham@nrc.gov

Satorius, Mark

From: Stone, AnnMarie
Sent: Thursday, March 17, 2011 1:21 PM
To: DRSIII; DRPIII; Satorius, Mark; Pederson, Cynthia; Boland, Anne; Louden, Patrick
Cc: Kobetz, Timothy
Subject: Duane Arnold CDBI issue discussed at the 8:15 meeting

This morning, I discussed a preliminary issue the CDBI team identified at the Duane Arnold site. The report is in draft – therefore, not available for distribution. However, the key points are below.

(b)(5)

(b)(5)

If you have further questions, please contact me or Andy Dunlop, Benny Jose, or Bruce Palagi for more information.

Thanks!
Ann Marie

Bozin, Sunny

From: Bozin, Sunny
Sent: Friday, March 18, 2011 1:35 PM
To: Nieh, Ho
Cc: Herr, Linda
Subject: SCIF Read

Ho, u can go down at 4 or 5 if that works for you but, if no one is here to call for you, you'll need to call (b)(6) first to make sure they are at their desks....

From: Melendez, Israel
Sent: Friday, March 18, 2011 1:04 PM
To: Bozin, Sunny
Cc: Parsons, Darryl
Subject: phone number

POC for Security read Darryl Parsons 415-7751

Israel A. Melendez, Special Security Officer
U. S. NRC
11555 Rockville Pike
Rockville, MD 20852

(301) 415-2209 (Office)
(301) 415-2190 (FAX)
(b)(6)

From:	Bano, Mahmooda
To:	RES International Travel Dist; Eisenberg, Wendy
Cc:	Calvo, Antony; Hoxie, Chris
Subject:	Pre Trip -DPrelewicz- April 2011 Spring CAMP (Bariloche Argentina) Meeting (3).docx
Date:	Thursday, March 17, 2011 1:38:37 PM
Attachments:	Pre Trip -DPrelewicz- April 2011 Spring CAMP (Bariloche Argentina) Meeting (3).docx

International Travel Pre-Trip Notification

This is due 30 days before trip start date. Please complete the light shaded area.

TRAVEL INFORMATION

• **Traveler Name(s):** (include Office/Division)	Chris Hoxie, RES/DSA Antony Calvo, RES/DSA Josh Whitman, RES/DSA Dan Prelewicz, ISL	• **Phone #(s):**	301-251-7562 301-251-7677 301-251-7514 301-255-2273
• **E-mail Address(es):**	chris.hoxie@nrc.gov antony.calvo@nrc.gov josh.whitman@nrc.gov danp@islinc.com	• **Location(s):**	Rockville, MD Rockville, MD Rockville, MD Rockville, MD
• **Multiple Travelers:**	☐ **Less than 4** ☒ **4 or more** (see below)		
If 4+, Coordinating Office:	RES		

If 4+, Office Director Approvals:	(1)	**RES: Brian W. Sheron**	Date:	
(Office Director approves travelers	(2)	**CHOOSE ONE OF THE FOLLOWING**	Date:	
from his/her office only)	(3)	**CHOOSE ONE OF THE FOLLOWING**	Date:	
	(4)	**CHOOSE ONE OF THE FOLLOWING**	Date:	

ADAMS Accession Number: [If 4+, Submit NRC Daily Note with ML# of pre-trip notification 30 days before trip start date]	ML110730387
• **Travel Dates** [mm/dd/yyyy]:	04/24/2011 to 04/29/2011
• **Destination(s)** [City, Country]:	San Carlos De Bariloche, Argentina
• **Framework:**	☐ **Export and Import Licensing** ☐ **Multilateral Cooperation and Assistance** ☐ **Treaties, Agreements, and Conventions** ☒ **International Cooperative Research** ☐ **Bilateral Cooperation and Assistance** ☐ **Other (specify)**
• **International Organization:**	☐ NEA/CSNI ☐ NEA/CNRA ☐ NEA/RWMC ☐ NEA/MDEP ☐ NEA/CRPPH ☐ IAEA/NS(TRANSSC) ☐ IAEA/NS(WASSC) ☐ IAEA/(NUSSC) ☐ IAEA/NS(RASSC) ☐ IAEA/Safeguards ☐ IAEA/NS ☐ IAEA/NE ☐ IAEA/Technical Cooperation ☒ Other: Code Application & Maintenance Program (CAMP)
• **Purpose of Travel:**	This trip is necessary for NRC to fulfill it's obligations under the CAMP agreements it has with 25 nations.
• **Desired Outcome:**	The desired outcome is for NRC to meet its CAMP obligation to hold one CAMP meeting on foreign soil each year, and to continue to energize the participants to use the TRACE code and share their results with the CAMP community.
• **Traveler Role(s):**	Chris Hoxie is the lead-off speaker at the Spring 2011 CAMP meeting. He will provide a 45 minute presentation of the TRACE-PARCS-SNAP roadmap to the CAMP participants to inform them of NRC's future thermal hydraulic development

	plans, and to gather their comments. He will also present the new SNAP-TRACE Uncertainty Module software specification and prototype. Josh Whitman will present the details of the improvements that have been made to TRACE, including the new features of TRACE Version 5, Patch 3. This includes new fuel rod modeling capabilities, an improved mechanistic flashing model, and a new "vessel-to-vessel" capability that allows improved modeling of BWR and PWR cores. Doug Barber (ISL contractor) will present the status of the RELAP5 code including the bugs that were fixed to allow the publication of RELAP5, Mod 3.3 Patch 4. The contractor will also take the CAMP meeting minutes. Antony Calvo, the CAMP Manager, will run the CAMP Technical Meeting that takes place on the third day. During that time, Mr. Calvo will make a presentation on the status of CAMP, and will go over with each country the status of their CAMP membership, including the status of their "like-in-kind" contributions.

• **Is this an NRC Core or Non-Core Trip?** [*Core* means NRC-Funded. *Non-Core* is externally funded or travel to Canada]	☒ Core ☐ Non-Core
• **Is there a speech or presentation to be given?** [If yes, send ADAMS ML# of presentations in an EDO One Week Look Ahead]	☒ Yes ☐ No
• **Are policy issues or other items of Commission interest to be raised?**	☐ Yes ☒ No
If yes, how will the Commission be informed?	Via the trip report.

Satorius, Mark

From: Pederson, Cynthia
Sent: Thursday, March 17, 2011 1:40 PM
To: Boland, Anne; Holt, BJ; Sotiropoulos, Dina; Shear, Gary; Louden, Patrick; Satorius, Mark; OBrien, Kenneth; Reynolds, Steven; West, Steven
Subject: FW: If no continuing resolution?

I just checked in with OEDO.

From: Muessle, Mary
Sent: Thursday, March 17, 2011 1:30 PM
To: Pederson, Cynthia
Cc: Merzke, Daniel
Subject: Response: If no continuing resolution?

Yes. We will operate about another week, but we still really expect a CR through April 8

Sent from NRC BlackBerry
Mary Muessle
(b)(6)

From: Pederson, Cynthia
To: Muessle, Mary
Cc: Merzke, Daniel
Sent: Thu Mar 17 14:21:04 2011
Subject: If no continuing resolution?

Hi Mary,
Just wanted to know if we have a decision on whether we will operate another week if there is no continuing resolution signed by midnight tomorrow.
Thanks,
Cindy

Cynthia D. Pederson
Deputy Regional Administrator
US Nuclear Regulatory Commission
Region III
630-829-9658

From: Benton, Laray
To: Savoy, Joanne; Arroyo, Damaris; Cullingford, Michael; Gettys, Evelyn; Guzzetta, Ashley; Jardaneh, Mahmoud; Jervey, Richard; Kanney, Joseph; Kratchman, Jessica; Longmire, Pamela; Ortega-Luciano, Jonathan; Perin, Vanice; Rivera-Lugo, Richard; Rodriguez-Luccioni, Hector; Abrahams, Susan; Alvarado, Lydiana; Benson, Michael; Clement, Richard; Cruz, Luis; Dion, Jeanne; Gonzalez, Felix; Green, Brian; Hon, Andrew; Lee, Samuel; Li, Zhian; Lian, Jocelyn; ODriscoll, James; Shaffer, Vered; Tran, Tam; Wittick, Brian; Betancourt, Luis; Grobe, Jack; Trapp, James; (b)(6) "; Berrios, Ilka
Cc: Couret, Ivonne
Subject: RE: Montgomery County Science Fair
Date: Thursday, March 17, 2011 1:40:01 PM

Joanne,

Has it been decided yet who is judging which particular subject areas? I know that we were asked to identify which subject areas we were comfortable with, which I have, but I don't recall receiving anything back about which subject are that I would be assigned to. I just wanted to know ahead of time so that I can be prepared. Thanks.

LaRay J. Benton

United States Nuclear Regulatory Commission (NRC)
Office of Nuclear Reactor Regulation
Division of Risk Assessment
Accident Dose Branch (AADB)
(301) 415-1088

From: Savoy, Joanne
Sent: Thursday, March 17, 2011 12:18 PM
To: Arroyo, Damaris; Benton, Laray; Cullingford, Michael; Gettys, Evelyn; Guzzetta, Ashley; Jardaneh, Mahmoud; Jervey, Richard; Kanney, Joseph; Kratchman, Jessica; Longmire, Pamela; Ortega-Luciano, Jonathan; Perin, Vanice; Rivera-Lugo, Richard; Rodriguez-Luccioni, Hector; Abrahams, Susan; Alvarado, Lydiana; Benson, Michael; Clement, Richard; Cruz, Luis; Dion, Jeanne; Gonzalez, Felix; Green, Brian; Hon, Andrew; Lee, Samuel; Li, Zhian; Lian, Jocelyn; ODriscoll, James; Savoy, Joanne; Shaffer, Vered; Tran, Tam; Wittick, Brian; Betancourt, Luis; Grobe, Jack; Trapp, James; 'rclem97@yahoo.com'; Berrios, Ilka
Cc: Couret, Ivonne
Subject: Montgomery County Science Fair

Good Afternoon Montgomery County Science Fair Volunteers,
My name is Joanne Savoy, I am the new point of contact for the Science Fair on Saturday March 19, 2011. Please arrive to the Reckord Armory promptly by 11:00. There will be no parking permits available however you will be able to park next to the Armory. Attached is a map and some information about the science fair and lunch will be provided at the science fair.

Please let me know if you are unable to attend.

Please feel free to give me a call at 410-610-9843 if you have any questions. I look forward to seeing all of you there ☺

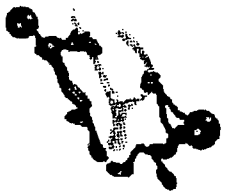
UPON ARRIVAL:
- You will find ample parking adjacent to the Reckord Armory since the University is on

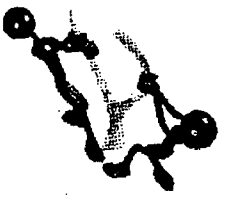
Spring Break.

- Inside you will be greeted and directed to the Special Awards Judging table to check-in and be given an identifying nametag.
- **Joanne Savoy, OIP (cell: (b)(6))** will be in this area upon check-in to meet/greet you will forthcoming instructions on judging.
- There are usually snacks and beverages available for the judges.
- Judges will be given a scoring sheet; map with the highlighted selected projects by grade and specific location in the exhibition hall.

Joanne

Joanne M. Savoy
U.S Nuclear Regulatory Commission
Licensing Assistant
OIP/ECIO
Phone. 301-415-2333
Fax. 301-415-2400
Location. O4C6
Joanne.Savoy@nrc.gov





From: Boger, Bruce
To: Schwarz, Sherry
Subject: RE: POSTPONED - Monthly Management Meeting - NOTE CHANGE IN DATE, TIME, LOCATION
Date: Thursday, March 17, 2011 1:46:00 PM

Good idea—you should be on distribution.

From: Schwarz, Sherry
Sent: Thursday, March 17, 2011 1:44 PM
To: Boger, Bruce
Subject: RE: POSTPONED - Monthly Management Meeting - NOTE CHANGE IN DATE, TIME, LOCATION

Yes, thanks Bruce for the update. I had phone Renee Taylor before lunch inquiring if this meeting was going forward, and she told me it was to be cancelled, and we would be advised later. I am not on this distribution, so I will inform Mr. Ellmers to add me.

From: Boger, Bruce
Sent: Thursday, March 17, 2011 1:41 PM
To: Schwarz, Sherry
Subject: FW: POSTPONED - Monthly Management Meeting - NOTE CHANGE IN DATE, TIME, LOCATION
Importance: High

Long list—are you in there somewhere? Eric may appreciate his calendar reflecting the schedule change below.

From: Ellmers, Glenn
Sent: Thursday, March 17, 2011 1:18 PM
To: Ellmers, Glenn; Ash, Darren; Boger, Bruce; Boyce, Thomas (OIS); Brenner, Eliot; Brown, Milton; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Droggitis, Spiros; Dyer, Jim; Greene, Kathryn; Grobe, Jack; Hackett, Edwin; Haney, Catherine; Hayden, Elizabeth; Holahan, Gary; Howard, Patrick; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Mamish, Nader; McCrary, Cheryl; McCree, Victor; Miller, Charles; Moore, Scott; Pederson, Cynthia; Plisco, Loren; Poole, Brooke; Powell, Amy; Reyes, Luis; Satorius, Mark; Schaeffer, James; Schmidt, Rebecca; Sheron, Brian; Stewart, Sharon; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wiggins, Jim; Williams, Barbara; Zimmerman, Roy; Campbell, Andy; Holahan, Patricia; Dorman, Dan; Muessle, Mary; Wert, Leonard; Tracy, Glenn; Taylor, Renee; Krupnick, David; Evans, Michele
Cc: Akstulewicz, Brenda; Andersen, James; Bellosi, Susan; Belmore, Nancy; Boyd, Lena; Buckley, Patricia; Casby, Marcia; Cianci, Sandra; Crawford, Carrie; Flory, Shirley; Garland, Stephanie; Higginbotham, Tina; Hudson, Sharon; Landau, Mindy; Matakas, Gina; Miles, Patricia; Pulley, Deborah; Rihm, Roger; Riner, Janet; Ronewicz, Lynn; Ross, Robin; Salus, Amy; Tannenbaum, Anita; Taylor, Renee; Thomas, Loretta; Walker, Dwight; Warner, MaryAnn; Wright, Darlene; Wyatt, Melissa; Cannady, Ashley; Lockhart, Denise; Perez-Ortiz, Aracelis; Riddick, Nicole; King, Shannon; Penny, Melissa; Sprogeris, Patricia; Banks, Eleasah; Nagel, Cheri; Hasan, Nasreen; Call, Michel; Thaggard, Mark; Young, Gary; Holonich, Joseph; Jaigobind, Avinash; Brown, Theron; Moore, Mary; Daniels, Stanley; Kreuter, Jane; Schumann, Stacy; Rihm, Roger
Subject: POSTPONED - Monthly Management Meeting - NOTE CHANGE IN DATE, TIME, LOCATION
Importance: High

Due to the events occurring this week, tomorrow's Monthly Management Meeting is being postponed to next Friday. It will take place just prior to the ERB meeting, from 9:00 to 10:00, in the OEDO conference room, 017B4. As of now, we have on the agenda:

Jun Lee, launch of new public website

Eric Leeds, RIC report
OGC, FOIA update
Miriam Cohen, Federal Employee Viewpoint Survey

Let me know if you have any other items to add.

From: Ellmers, Glenn
Sent: Friday, March 04, 2011 10:20 AM
To: Ellmers, Glenn; Ash, Darren; Boger, Bruce; Boyce, Thomas (OIS); Brenner, Eliot; Brown, Milton; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Droggitis, Spiros; Dyer, Jim; Greene, Kathryn; Grobe, Jack; Hackett, Edwin; Haney, Catherine; Hayden, Elizabeth; Holahan, Gary; Howard, Patrick; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Mamish, Nader; McCrary, Cheryl; McCree, Victor; Miller, Charles; Moore, Scott; Pederson, Cynthia; Plisco, Loren; Poole, Brooke; Powell, Amy; Reyes, Luis; Satorius, Mark; Schaeffer, James; Schmidt, Rebecca; Sheron, Brian; Stewart, Sharon; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wiggins, Jim; Williams, Barbara; Zimmerman, Roy; Campbell, Andy; Holahan, Patricia; Dorman, Dan; Muessle, Mary; Wert, Leonard; Tracy, Glenn; Taylor, Renee; Krupnick, David; Evans, Michele
Cc: Akstulewicz, Brenda; Andersen, James; Bellosi, Susan; Belmore, Nancy; Boyd, Lena; Buckley, Patricia; Casby, Marcia; Cianci, Sandra; Crawford, Carrie; Flory, Shirley; Garland, Stephanie; Higginbotham, Tina; Hudson, Sharon; Landau, Mindy; Matakas, Gina; Miles, Patricia; Pulley, Deborah; Rihm, Roger; Riner, Janet; Ronewicz, Lynn; Ross, Robin; Salus, Amy; Tannenbaum, Anita; Taylor, Renee; Thomas, Loretta; Walker, Dwight; Warner, MaryAnn; Wright, Darlene; Wyatt, Melissa; Cannady, Ashley; Lockhart, Denise; Perez-Ortiz, Aracelis; Riddick, Nicole; King, Shannon; Penny, Melissa; Sprogeris, Patricia; Burroughs, Eleasah; Nagel, Cheri; Hasan, Nasreen; Call, Michel; Thaggard, Mark; Young, Gary; Holonich, Joseph; Jaigobind, Avinash; Brown, Theron; Moore, Mary; Daniels, Stanley; Kreuter, Jane; 'Stacy.Schumann@nrc.gov'; Rihm, Roger
Subject: Monthly Management Meeting - Soliciation for Topics

The next EDO Monthly Management Meeting is scheduled for Friday, March, 18, 2011 from 10:00 - 11:30 a.m. EST in T2B1 (Regions by VTC).

Please send me any discussion topics you would like to suggest, along with who you expect would lead the discussion, by COB Wednesday, March 9. (I already have Jun Lee on the agenda to discuss the public website.)

Send all materials for the meeting to me (with a cc: to Melissa Wyatt and Roger Rihm) by COB Wednesday, March 16, so we can post them to the SharePoint site.

As always, let me know if you have any questions,

Glenn

From: Boger, Bruce
To: Holian, Brian
Subject: RE: VY...Lic Ren
Date: Thursday, March 17, 2011 1:47:00 PM

Thanks, Brian.

From: Holian, Brian
Sent: Thursday, March 17, 2011 1:16 PM
To: Leeds, Eric
Cc: Boger, Bruce
Subject: RE: VY...Lic Ren

Eric...How does a first thing in the morning signing strike you...?? Around 8? We are sending a daily note up today stating Monday issuance.

(b)(5)

Bruce...Comm plan only has a few questions and answers, but first one does touch on "certificate of public good". That was coordinated with RI. Thanks for checking.

From: Leeds, Eric
Sent: Thursday, March 17, 2011 12:52 PM
To: Holian, Brian
Subject: RE: VY...Lic Ren

Thanks, Brian!

Eric J. Leeds, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
301-415-1270

From: Holian, Brian
Sent: Thursday, March 17, 2011 10:38 AM
To: Lew, David; Dean, Bill; Boger, Bruce; Leeds, Eric
Cc: Galloway, Melanie; Pham, Bo; Burnell, Scott; Dacus, Eugene; Nelson, Robert; Giitter, Joseph; Howe, Allen; Screnci, Diane; Sheehan, Neil; Roberts, Darrell; Wilson, Peter; Spencer, Mary; Pelton, David
Subject: VY...Lic Ren

As of today, we plan to issue the VY license on Monday.

The timing has not been discussed... I would expect we may sign it prior to the 0900 Commission meeting on the Japan event. (I will try and firm up a time today and get back to you).

DLR will fax it to the licensee after it is signed.

I do not believe we will do any press release...DLR/NRR will continue to work the Comm plan with Region I and OPA. (we are working some backup Q and A on VY hardened vent, etc.)

The basic answer to questions on "why renew now"....will be that the applicant has satisfied the requirements of Part 54. The staff has completed an extensive review. In light of the event in Japan, the NRC is doing, and will complete, an extensive review – and any regulatory changes (short term or long term) will be applied through Part 50 on the applicable plants (irrespective of whether a plant has gone through license renewal or not).

Bill...I know you'll want to let the Governor's office know a little in advance. I would hope Monday morning early is time enough...as I'm sure you are all concerned that we not unnecessarily cycle the government offices / news organizations prior to that (esp. if there is some minor change).

- Brian

From: McHale, John
To: NRR_DIRS Distribution
Subject: Delegation of Authority - IOLB
Date: Thursday, March 17, 2011 1:47:43 PM

While I am away from the office on Friday, March 18, 2011, I have designated David Muller as the acting Chief, Operator Licensing and Training Branch. Dave is located in room O7G11 and may be reached at extension 415-1412.

Jack McHale, Chief
Operator Licensing & Training Branch
Division of Inspection & Regional Support
Office of Nuclear Reactor Regulation
(301) 415-3254
John.McHale@nrc.gov

From: Hiland, Patrick
To: Skeen, David; Harper, Kevin; Wilson, George
Subject: RE: (b)(6)
Date: Thursday, March 17, 2011 1:59:00 PM

Kevin, have George act today and find out who is in tomorrow to act for division; Meena? I will be working 11 pm-7:00 am in lieu of CWS, so while I will be here in the morning, I'll likely be very tired.

-----Original Message-----
From: Skeen, David
Sent: Thursday, March 17, 2011 12:52 PM
To: Harper, Kevin; Wilson, George; Hiland, Patrick
Subject: (b)(6)

All,

I will not be in today. (b)(6)
(b)(6)

I'll try to make it in tomorrow, but if not, we will need someone to act, since it is Pat's CWS.

I plan to be on shift as RST Director for the 3-11 shifts on Sat and Sun.

P.16

From: Haney, Catherine
To: Dorman, Dan
Cc: Culp, Lisa
Subject: FW: POSTPONED - Monthly Management Meeting - NOTE CHANGE IN DATE, TIME, LOCATION
Date: Thursday, March 17, 2011 2:00:00 PM

Lisa Ann – I'm sure you heard that the presentation was delayed a week. Dan will be making the presentation next week as I will be away.

If you have time this afternoon, let's review what you have prepared. I expect visitors around 2:30 to 3 but other than that, I am fairly open.

From: Ellmers, Glenn
Sent: Thursday, March 17, 2011 1:55 PM
To: Haney, Catherine
Subject: RE: POSTPONED - Monthly Management Meeting - NOTE CHANGE IN DATE, TIME, LOCATION

No, sorry. It's on. I was just mentioning "regular" agenda items to see if there was anything people wanted to add. Office in the Spotlight is sort of it's own thing. You guys are on.

From: Haney, Catherine
Sent: Thursday, March 17, 2011 1:52 PM
To: Ellmers, Glenn
Subject: RE: POSTPONED - Monthly Management Meeting - NOTE CHANGE IN DATE, TIME, LOCATION

Are you dropping the "office in the spotlight" for March.

No problem if you are, just wanted to confirm

From: Ellmers, Glenn
Sent: Thursday, March 17, 2011 1:18 PM
To: Ellmers, Glenn; Ash, Darren; Boger, Bruce; Boyce, Thomas (OIS); Brenner, Eliot; Brown, Milton; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Droggitis, Spiros; Dyer, Jim; Greene, Kathryn; Grobe, Jack; Hackett, Edwin; Haney, Catherine; Hayden, Elizabeth; Holahan, Gary; Howard, Patrick; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Mamish, Nader; McCrary, Cheryl; McCree, Victor; Miller, Charles; Moore, Scott; Pederson, Cynthia; Plisco, Loren; Poole, Brooke; Powell, Amy; Reyes, Luis; Satorius, Mark; Schaeffer, James; Schmidt, Rebecca; Sheron, Brian; Stewart, Sharon; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wiggins, Jim; Williams, Barbara; Zimmerman, Roy; Campbell, Andy; Holahan, Patricia; Dorman, Dan; Muessle, Mary; Wert, Leonard; Tracy, Glenn; Taylor, Renee; Krupnick, David; Evans, Michele
Cc: Akstulewicz, Brenda; Andersen, James; Bellosi, Susan; Belmore, Nancy; Boyd, Lena; Buckley, Patricia; Casby, Marcia; Cianci, Sandra; Crawford, Carrie; Flory, Shirley; Garland, Stephanie; Higginbotham, Tina; Hudson, Sharon; Landau, Mindy; Matakas, Gina; Miles, Patricia; Pulley, Deborah; Rihm, Roger; Riner, Janet; Ronewicz, Lynn; Ross, Robin; Salus, Amy; Tannenbaum, Anita; Taylor, Renee; Thomas, Loretta; Walker, Dwight; Warner, MaryAnn; Wright, Darlene; Wyatt, Melissa; Cannady, Ashley; Lockhart, Denise; Perez-Ortiz, Aracelis; Riddick, Nicole; King, Shannon; Penny, Melissa; Sprogeris, Patricia; Banks, Eleasah; Nagel, Cheri; Hasan, Nasreen; Call, Michel; Thaggard, Mark; Young, Gary; Holonich, Joseph; Jaigobind, Avinash; Brown, Theron; Moore, Mary; Daniels, Stanley; Kreuter, Jane; Schumann, Stacy; Rihm, Roger
Subject: POSTPONED - Monthly Management Meeting - NOTE CHANGE IN DATE, TIME, LOCATION
Importance: High

Due to the events occurring this week, tomorrow's Monthly Management Meeting is being

postponed to next Friday. It will take place just prior to the ERB meeting, from 9:00 to 10:00, in the OEDO conference room, 017B4. As of now, we have on the agenda:

Jun Lee, launch of new public website
Eric Leeds, RIC report
OGC, FOIA update
Miriam Cohen, Federal Employee Viewpoint Survey

Let me know if you have any other items to add.

From: Ellmers, Glenn
Sent: Friday, March 04, 2011 10:20 AM
To: Ellmers, Glenn; Ash, Darren; Boger, Bruce; Boyce, Thomas (OIS); Brenner, Eliot; Brown, Milton; Burns, Stephen; Carpenter, Cynthia; Casto, Chuck; Cohen, Miriam; Collins, Elmo; Dapas, Marc; Dean, Bill; Doane, Margaret; Droggitis, Spiros; Dyer, Jim; Greene, Kathryn; Grobe, Jack; Hackett, Edwin; Haney, Catherine; Hayden, Elizabeth; Holahan, Gary; Howard, Patrick; Johnson, Michael; Kelley, Corenthis; Leeds, Eric; Mamish, Nader; McCrary, Cheryl; McCree, Victor; Miller, Charles; Moore, Scott; Pederson, Cynthia; Plisco, Loren; Poole, Brooke; Powell, Amy; Reyes, Luis; Satorius, Mark; Schaeffer, James; Schmidt, Rebecca; Sheron, Brian; Stewart, Sharon; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wiggins, Jim; Williams, Barbara; Zimmerman, Roy; Campbell, Andy; Holahan, Patricia; Dorman, Dan; Muessle, Mary; Wert, Leonard; Tracy, Glenn; Taylor, Renee; Krupnick, David; Evans, Michele
Cc: Akstulewicz, Brenda; Andersen, James; Bellosi, Susan; Belmore, Nancy; Boyd, Lena; Buckley, Patricia; Casby, Marcia; Cianci, Sandra; Crawford, Carrie; Flory, Shirley; Garland, Stephanie; Higginbotham, Tina; Hudson, Sharon; Landau, Mindy; Matakas, Gina; Miles, Patricia; Pulley, Deborah; Rihm, Roger; Riner, Janet; Ronewicz, Lynn; Ross, Robin; Salus, Amy; Tannenbaum, Anita; Taylor, Renee; Thomas, Loretta; Walker, Dwight; Warner, MaryAnn; Wright, Darlene; Wyatt, Melissa; Cannady, Ashley; Lockhart, Denise; Perez-Ortiz, Aracelis; Riddick, Nicole; King, Shannon; Penny, Melissa; Sprogeris, Patricia; Burroughs, Eleasah; Nagel, Cheri; Hasan, Nasreen; Call, Michel; Thaggard, Mark; Young, Gary; Holonich, Joseph; Jaigobind, Avinash; Brown, Theron; Moore, Mary; Daniels, Stanley; Kreuter, Jane; 'Stacy.Schumann@nrc.gov'; Rihm, Roger
Subject: Monthly Management Meeting - Soliciation for Topics

The next EDO Monthly Management Meeting is scheduled for Friday, March, 18, 2011 from 10:00 - 11:30 a.m. EST in T2B1 (Regions by VTC).

Please send me any discussion topics you would like to suggest, along with who you expect would lead the discussion, by COB Wednesday, March 9. (I already have Jun Lee on the agenda to discuss the public website.)

Send all materials for the meeting to me (with a cc: to Melissa Wyatt and Roger Rihm) by COB Wednesday, March 16, so we can post them to the SharePoint site.

As always, let me know if you have any questions,

Glenn

From: Leeds, Eric
To: Holian, Brian
Cc: Boger, Bruce
Subject: RE: VY...Lic Ren
Date: Thursday, March 17, 2011 2:03:38 PM

Good – see you at 8 am on Monday!

Eric J. Leeds, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
301-415-1270

From: Holian, Brian
Sent: Thursday, March 17, 2011 1:16 PM
To: Leeds, Eric
Cc: Boger, Bruce
Subject: RE: VY...Lic Ren

Eric...How does a first thing in the morning signing strike you...?? Around 8? We are sending a daily note up today stating Monday issuance.

(b)(5)

Bruce...Comm plan only has a few questions and answers, but first one does touch on "certificate of public good". That was coordinated with RI. Thanks for checking.

From: Leeds, Eric
Sent: Thursday, March 17, 2011 12:52 PM
To: Holian, Brian
Subject: RE: VY...Lic Ren

Thanks, Brian!

Eric J. Leeds, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
301-415-1270

From: Holian, Brian
Sent: Thursday, March 17, 2011 10:38 AM
To: Lew, David; Dean, Bill; Boger, Bruce; Leeds, Eric
Cc: Galloway, Melanie; Pham, Bo; Burnell, Scott; Dacus, Eugene; Nelson, Robert; Giitter, Joseph; Howe, Allen; Screnci, Diane; Sheehan, Neil; Roberts, Darrell; Wilson, Peter; Spencer, Mary; Pelton, David
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Bill...I know you'll want to let the Governor's office know a little in advance. I would hope Monday morning early is time enough...as I'm sure you are all concerned that we not unnecessarily cycle the government offices / news organizations prior to that (esp. if there is some minor change).

- Brian

From: Haney, Catherine
To: Solis, Jorge
Cc: Ordaz, Vonna
Subject: User need to RES
Date: Thursday, March 17, 2011 2:07:00 PM

I just signed your user need. What level of effort do you expect from RES – either FTE or dollar amount?

From: Nguyen, Quynh
To: Boger, Bruce
Subject: Out of Office: CTS-SRM-CMGEA11-0001
Date: Thursday, March 17, 2011 2:13:40 PM

Greetings!

I will be out of the office for the rest of the afternoon.

Sean Meighan, Acting Office Technical Assistant, can be reached at 301-415-1020.

I will be monitoring my email and can be reached via BlackBerry at (b)(6)

Thank you for your efforts and understanding during this difficult time.

From:	Williams, Shawn
To:	Abu-Eid, Boby; Astwood, Heather; Brach, Bill; Camper, Larry; Case, Michael; Cook, John; Cool, Donald; Holahan, Vincent; Lewis, Robert; Rini, Brett; Sampson, Michele; Schwartzman, Jennifer; Virgilio, Martin; Weaver, Doug; Williams, Shawn
Subject:	Suggest postponing our March 22 meeting on developing a National Stakeholder process for IAEA Safety Standards and issuing a Green Ticket
Date:	Thursday, March 17, 2011 2:14:27 PM
Attachments:	Discuss National Stakeholder Input for IAEA Safety Standards.msg Draft FRN to Pilot Stakeholder Input to IAEA Safety Standards at a National Level.doc RE Addressing IAEA Standards.msg

---

Bill,

Thanks for sending out the e-mail (3rd attachment) in an effort to prepare for next Tuesday's meeting, March 22, 3-4pm (attached).

All,

Considering you may be busy with the tragic events in Japan, and, as far as I know, you have not had the opportunity to come together and developed a proposal (or counter proposal to the pilot proposal- attached) for NRC's strategy to " .... *seek comments from national stakeholders and to present a national position on each draft safety standard, which should be based on appropriate consultation at the national level and coordination of the input of national stakeholders,"* I suggest we postpone the meeting on this subject.

I am thinking a better strategy is to assign a Green Ticket to FSME (since they have both WASSC and RASSC) due in 3-4 months to coordinate with the other SSCs to develop an option or options on how the NRC will meet its obligations to this SSC TOR item. I know I may get negative feedback on issuing a formal "Green Ticket," but, from my experience there is a much higher probability we will make progress on this issue if it is a formal action from the EDO's office, rather than an e-mail request.

Let me know if you do have a proposed path forward and are ready for the March 22 meeting. If so, we should keep the meeting as scheduled (of course, it would depend on if Marty is still supporting the HOO).

Comments?

Shawn Williams
Executive Technical Assistant
Office of the Executive Director for Operations
301-415-1009

Williams, Shawn

Subject:	Discuss National Stakeholder Input for IAEA Safety Standards
Location:	O-17B4
Start:	Tue 3/22/2011 3:00 PM
End:	Tue 3/22/2011 4:00 PM
Recurrence:	(none)
Meeting Status:	Accepted
Organizer:	Virgilio, Martin
Required Attendees:	Abu-Eid, Boby; Brach, Bill; Camper, Larry; Case, Michael; Cook, John; Cool, Donald; Holahan, Vincent; Lewis, Robert; Rini, Brett; Sampson, Michele; Schwartzman, Jennifer; Virgilio, Martin; Weaver, Doug; Williams, Shawn; ConferenceRoomO17B4 Resource

Purpose: Discuss NRC's strategy to meeting the following statement on the SSC's and future CSS's Terms of Reference:

"To disseminate the draft nuclear/radiation/transport/waste safety standards in their respective States, to seek comments from their national stakeholders and to present a national position on each draft safety standard, which ***should be based on appropriate consultation at the national level and coordination of the input of national stakeholders.****"*

Outcome: Develop a policy that meets the intent of the SSC TOR statement above.

Process: An SSC Rep, perhaps Bill or Larry, lead the meeting.

- In advance of the meeting, the SSC's should coordinate to address Larry's suggested path forward (1st attachment and below).

(1)

(2)

(b)(5)

(3)

2/8/11

Sandy Cianci
Administrative Assistant to Marty Virgilio, DEDR
Office of the Executive Director for Operations
O-17 H13
301-415-1714

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

Williams, Shawn

From: Brach, Bill
Sent: Tuesday, March 15, 2011 4:17 PM
To: Camper, Larry
Cc: Case, Michael; Lewis, Robert; Weaver, Doug; Abu-Eid, Boby; Cook, John; Cool, Donald; Holahan, Vincent; Rini, Brett; Sampson, Michele; Schwartzman, Jennifer; Williams, Shawn; Smith, Shawn
Subject: RE: Addressing IAEA Standards

Larry.

In preparation for next week's meeting with Marty et al, do you have any additional recommendations for how NRC might consider "if, when, and how" national stakeholder input should be solicited on draft IAEA Safety Standards? I suspect Marty will be looking for suggestions on the path forward to meet the expectations in the new Safety Standards Committees' Terms of Reference for committee representatives to present:

> "a national position on each draft safety standard, which should be based on appropriate consultation at the national level and coordination of the input of national stakeholders."

(b)(5)

Your thoughts/suggestions?

I am also copying Mike Case, Rob Lewis, Doug Weaver and Safety Standards Committee technical support staff for thoughts/suggestions to consider before the meeting next Tuesday.

Bill

From: Camper, Larry
Sent: Thursday, November 18, 2010 6:25 PM
To: Virgilio, Martin
Cc: Williams, Shawn; Case, Michael; Lewis, Robert; Brach, Bill
Subject: Addressing IAEA Standards

Marty,
Reflecting upon our meeting today and the increasing interest in harmonizing our regulations with international standards, as well as achieving convergence with those standards, coupled with an interest in achieving "national" input I would offer some thoughts on how we might proceed:

1)

2)

(b)(5)

3) (b)(5)

(b)(5)

Thanks for listening!

LARRY W. CAMPER
Director, Division of Waste Management
& Environmental Protection
(W) 301-415-7437
(F) 301-415-5369
(M) (b)(6)
larry.camper@nrc.gov

From:	Hopkins, Jon
To:	Skeen, David
Cc:	Case, Michael
Subject:	FW: Foreign trip report: J. Jankovich/FSME, ISO standards mtg., Berlin, Germany
Date:	Thursday, March 17, 2011 2:16:33 PM
Attachments:	Trip report ML1107603060.doc

Dave,

Interesting trip report. FSME participates in an ISO standards working group. I wonder what other ISO standards there might be for us to potentially get involved with.

Jon

From: Jankovich, John
Sent: Thursday, March 17, 2011 1:38 PM
To: ForeignTravel
Cc: Foster, Jack; Luehman, James
Subject: Foreign trip report: J. Jankovich/FSME, ISO standards mtg., Berlin, Germany

The Trip report is attached.
The document is also available in ADAMS under ML110760306.

FOREIGN TRAVEL TRIP REPORT

Subject

International Standards Organization (ISO) Working Group 11 (WG 11) meeting

Dates of Travel and Countries/Organizations Visited

February 23-25, 2011
Berlin, Germany
ISO/WG 11 held its periodic meeting at VDE Verlag, Bismarkstrasse 33, 10625 Berlin, Germany

Author, Title and Agency Affiliation

John Jankovich, Team Leader
Division of Materials Safety and State Agreements
Office of Federal and State Materials and Environmental Management Programs
john.jankovich@nrc.gov
301-415-7904

Sensitivity

Non-sensitive

Background/Purpose

The purpose was to participate, as NRC delegate and technical expert, in the activities of ISO/Working Group 11 to update three ISO standards, used by NRC staff and NRC licensees, regarding radioactive sources and devices (ISO-2910, ISO 3925, and ISO-7205)

Abstract: Summary of Pertinent Points/Issues

The function of ISO/WG 11 is to maintain a number of ISO standards at the level and practice of current technology in the area of radioactive sources and devices. Maintenance is achieved through periodic updates which are developed from inputs from representatives of the international user community. The goal of NRC participation in ISO/WD 11 is to assure that the standards represent NRC perspectives regarding licensing and registration and express the use of these standards in the U.S. The meeting addressed three ISO standards; the following are the key highlights for each:

1. ISO 2919, "Radiation Protection – Sealed radioactive sources – General requirements and classification"
    - The draft standard, developed in previous meetings, was circulated to the national standardization organizations for review. The review resulted in 68 comments;
    - The meeting resolved all 68 comments;
    - The update with the resolutions will be presented by the convener (i.e., chairman) of WG 11 to the ISO plenary session to be held in Niagara Falls/Canada in April 2011 for acceptance and to be issued as final.

2. ISO 3925, "Unsealed radioactive substances – Identification and certification"
    - At the request of the ISO Secretariat, the group reviewed ISO 3925;
    - The group concluded that this standard is used infrequently, but is open to making updates to the standard;
    - WG 11 identified those sections of the standard that need updating and those that need harmonization with other relevant standards;
    - The changes will be circulated by ISO Secretariat to the national standardization organizations for review as a draft international standard (DIS).

3. ISO 7205, "Radionuclide gauges – Gauges designed for permanent installation"
    - WG 11 members described the current use of this standard in various regions of the world, i.e., Asia (China, India, Japan), Europe (inc. European Community's relevant standards and Scandinavia), and North America (Canada, Mexico, U.S.);
    - WG 11 concluded that ISO 7205 should not be withdrawn and that the standard is important and relevant;
    - WG 11 reviewed an analogous standard recently updated by the International Electrotechnical Commission (IEC): IEC 62598 has been approved and is expected to be published in 2011, it replaces IEC 60405. WG 11 compiled an extensive list of differences between ISO 7205 and IEC 62598;
    - WG 11 concluded that harmonization is needed with the other analogous standards, i.e., IEC 60405 and ANSI N43.8.
    - WG 11 developed a request for guidance from ISO Secretariat regarding the stage and timing for the update of this standard and its harmonization with the other analogous IEC and ANSI standards.

Pending Actions/Planned Next Steps for NRC

The staff will continue to participate in follow-up activities, such as responding to electronic communication requesting comments and recommendations. No date has been scheduled for further meetings. Further action, i.e. start updating ISO 7205, will commence only upon direction from the ISO Secretariat.

Points for Commission Consideration/Items of Interest

None

Attachment

None attached. Meeting Minutes, Attendance List, business cards are available from John Jankovich.

From: Tschiltz, Michael
To: Haney, Catherine
Cc: Kinneman, John
Subject: RE: Memo/announcement concerning use of the EBB2-E01 secure conference room
Date: Thursday, March 17, 2011 2:19:34 PM

I'll ask Tom if he knows and let you know..

From: Haney, Catherine
Sent: Thursday, March 17, 2011 2:18 PM
To: Tschiltz, Michael
Cc: Kinneman, John
Subject: RE: Memo/announcement concerning use of the EBB2-E01 secure conference room

(b)(5)

From: Tschiltz, Michael
Sent: Thursday, March 17, 2011 2:14 PM
To: Haney, Catherine
Cc: Kinneman, John
Subject: RE: Memo/announcement concerning use of the EBB2-E01 secure conference room

(b)(5)

Mike

From: Haney, Catherine
Sent: Thursday, March 17, 2011 1:53 PM
To: Tschiltz, Michael; Kinneman, John
Subject: FW: Memo/announcement concerning use of the EBB2-E01 secure conference room

You ok with this?

From: Schultz, Eileen
Sent: Thursday, March 17, 2011 1:14 PM
To: Haney, Catherine; Dorman, Dan
Cc: Grice, Thomas; Easson, Pamela
Subject: FW: Memo/announcement concerning use of the EBB2-E01 secure conference room

Cathy:

Below is the suggested text for providing the policy and procedures for utilizing the secure conference room (EBB 2E-01) here at Executive Boulevard.

(b)(5)

(b)(5)

After reading and hopefully approving we would like to send out to all NMSS staff under your signature. Thank you, please provide your response/comments to

Eileen Schultz eds or 301-492-3256..

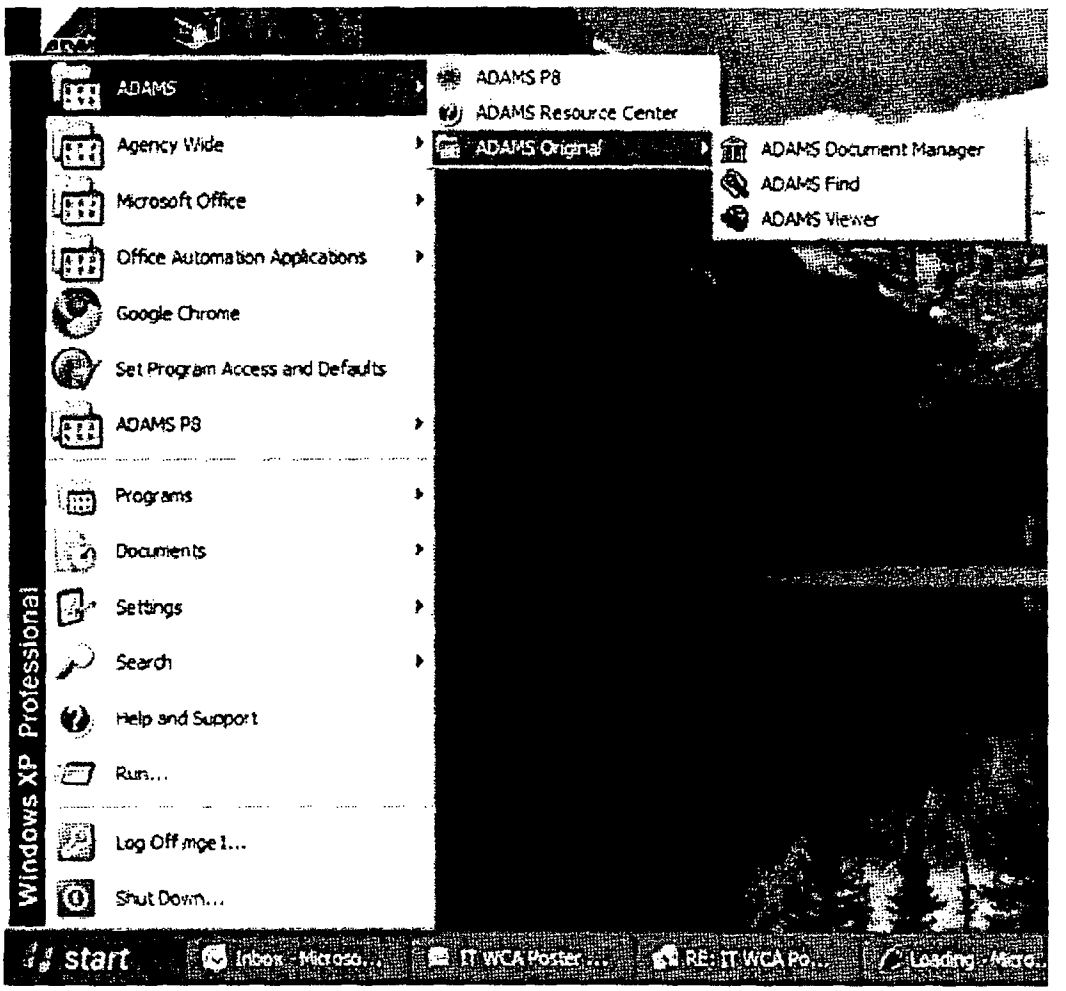
(b)(5)

Satorius, Mark

From:	DRMA-Notice Resource
Sent:	Thursday, March 17, 2011 2:22 PM
To:	DRMA-Notice Resource; All R3 Users; OTHERIII
Subject:	ADAMS P8 Upgrade Tonight
Attachments:	image001.jpg
Importance:	High

IN Number: 11-043
Contact: Ming Luo (ming.luo@nrc.gov), Ext. 9532

As indicated in a previous DRMA-NOTICE, the new ADAMS P8 (P8) upgrade will be implemented tonight. The upgrade will change the ADAMS menu on your desktop somewhat like this:



So before you leave office today, please log off or restart your computer to assist the upgrade.

After the upgrade, the old ADAMS will still be available for an extended period. All documents added into the old ADAMS will be synchronized into the new P8. At this moment we are not told how long

the old ADAMS will remain available; but we strongly encourage you to begin using the new P8 program.

Users at the resident sites can still use Citrix to access the new P8.

If you have a question or problem with P8 or with the upgrade, please email help3@nrc.gov for help or call the switchboard.

Distribution of the P8 User Quick Reference has been completed. If you did not receive a copy, please contact Joan White, Ming Luo or the RIII Helpdesk to get one.

More resources for new P8 are available online: http://www.internal.nrc.gov/ois/ECM/ADAMS/index.html.

Web-based training is also available. Four Web-based training courses are available through iLearn. Access iLearn through the links below to register for any of the following courses:

ADAMS P8 Overview - This Web-based course provides an overview of how ADAMS is currently used at the NRC. It explains what ADAMS is, why the NRC uses ADAMS, the benefits of using ADAMS, and how to prepare to use ADAMS in your daily work assignments. It also includes an introduction to the structure of ADAMS and terminology that is an essential preparation for your hands-on training.

ADAMS P8 Basic - This Web-based course covers the basic features and capabilities of ADAMS P8. During this course you will learn how to navigate the ADAMS P8 interface; work with documents, packages, and folders; and how to search for documents using different search methods. The course is the Web-based version of the 'ADAMS P8 for NRC Users' classroom course.

ADAMS P8 Advanced - This Web-based course covers the basic and advanced features and capabilities of ADAMS P8. During this course you will learn how to navigate the ADAMS P8 interface; work with documents, packages, and folders; create dashboards and entry templates; and how to search for documents using different search methods.

ADAMS P8 'What's New' - This Web-based course provides an overview of the new features and capabilities that are available in ADAMS P8.

DO NOT REPLY TO THIS DRMA NOTICE

/RA/
Roger Doornbos, Chief
Information Resources Branch

From: Haney, Catherine
To: Frazier, Alan
Subject: RE: Nye County Resolution 2011-21
Date: Thursday, March 17, 2011 2:25:00 PM
Attachments: image001.png

---

thx

From: Frazier, Alan
Sent: Thursday, March 17, 2011 2:21 PM
To: Haney, Catherine; Kotra, Janet
Cc: Kokajko, Lawrence; Stablein, King; Davis, Jack; Mohseni, Aby; Dorman, Dan
Subject: RE: Nye County Resolution 2011-21

I just confirmed with SECY that it will be in tomorrow's E-Reader.

From: Haney, Catherine
Sent: Thursday, March 17, 2011 1:54 PM
To: Kotra, Janet; Frazier, Alan
Cc: Kokajko, Lawrence; Stablein, King; Davis, Jack; Mohseni, Aby; Dorman, Dan
Subject: RE: Nye County Resolution 2011-21

Alan – I would assume this will get into the Commissioner Reader?

From: Kotra, Janet
Sent: Thursday, March 17, 2011 11:00 AM
To: Frazier, Alan
Cc: Kokajko, Lawrence; Stablein, King; Haney, Catherine; Davis, Jack; Mohseni, Aby; Dorman, Dan
Subject: FW: Nye County Resolution 2011-21

Alan, I have received this forwarded message from the clerk of the Commission of Nye County, Nevada. She asks that I forward copies of the attached resolution to the NRC Commissioners. I have not yet received the hard copy of the message, but am providing this to you for distribution to the Commission. Thank you.

Janet P. Kotra

Janet P. Kotra, Ph.D.
Senior Project Manager for HLW Regulatory Communications
Division of HLW Repository Safety
U.S. Nuclear Regulatory Commission
Mail Stop E2B-2
Washington, DC 20555
(301) 492-3190
email: janet.kotra@nrc.gov

From: Sandra L. Merlino [mailto:smerlino@co.nye.nv.us]
Sent: Wednesday, March 16, 2011 6:32 PM
To: Kotra, Janet
Subject: Nye County Resolution 2011-21

Dear Dr. Kotra,

I have attached a cover letter from my office along with a copy of Nye County Resolution No. 2011-21 as requested by our Nye County Board of Commissioners. You will be receiving the original letter via certified mail.

Sincerely,

Sandra L. Merlino
Nye County Clerk
smerlino@co.nye.nv.us

Tonopah Office
P.O. Box 1031
Tonopah, NV 89049
Phone: (775)482-8134
Fax: (775)482-8133

Pahrump Office
1520 East Basin Ave.
Pahrump, NV 89060
Phone: (775)751-7049
Fax: (775)751-7047

From: (b)(6)
To: Grobe, Jack
Subject: (b)(6)
Date: Thursday, March 17, 2011 2:23:11 PM

(b)(6)

(b)(6)

From: Negrin, Darlene
To: Haney, Catherine
Cc: Dorman, Dan
Subject: RE: Personnel
Date: Thursday, March 17, 2011 2:31:02 PM

(b)(5)

NMSS/PBPA
301-492-3558

"THE MIND IS LIKE A PARACHUTE,
IT WORKS BEST WHEN IT'S OPEN."

From: Haney, Catherine
Sent: Thursday, March 17, 2011 2:30 PM
To: Negrin, Darlene
Cc: Dorman, Dan
Subject: RE: Personnel

(b)(5)

From: Negrin, Darlene
Sent: Thursday, March 17, 2011 2:26 PM
To: Haney, Catherine
Cc: Dorman, Dan
Subject: Personnel

(b)(5)

Darlene T. Negrin
NMSS/PBPA
301-492-3558

"THE MIND IS LIKE A PARACHUTE,
IT WORKS BEST WHEN IT'S OPEN."

Owen, Lucy

From: Sosa, Belkys
Sent: Thursday, March 17, 2011 2:33 PM
To: Collins, Elmo
Subject: Re: Action: Ltr from Sens Boxer, Feinstein

Thks

Sent from an NRC Blackberry
Belkys Sosa
(b)(6)

From: Collins, Elmo
To: Sosa, Belkys
Cc: Virgilio, Martin; Sanfilippo, Nathan; Hay, Michael; Vegel, Anton; Kennedy, Kriss; Miller, Geoffrey; Lantz, Ryan
Sent: Thu Mar 17 15:29:54 2011
Subject: Action: Ltr from Sens Boxer, Feinstein

Thanks

We'll work through EDO to get prep material up

Elmo

From: Sosa, Belkys
To: Collins, Elmo; Davis, Roger
Sent: Thu Mar 17 15:15:54 2011
Subject: Fw: Ltr from Sens Boxer, Feinstein

Hi Elmo, I hope all is well.
Please note that the trip to Diablo and SONGS will also include Senator Boxer. If you have any information on these plants that can help Cmr Apostolakis prepare for the site visit, we would really appreciate it. I'll send you the details of the Senators agenda ASAP. I'm waiting for OCA to provide.
Thks

Sent from an NRC Blackberry
Belkys Sosa
(b)(6)

From: Powell, Amy
To: Blake, Kathleen
Cc: Davis, Roger; Sosa, Belkys
Sent: Thu Mar 17 14:04:10 2011
Subject: Ltr from Sens Boxer, Feinstein

Kathleen,

Here is the letter that I referenced on my call this afternoon with Belkys and Roger.

Amy

Amy Powell
Associate Director
U. S. Nuclear Regulatory Commission
Office of Congressional Affairs
Phone: 301-415-1673

From: Boger, Bruce
To: McGinty, Tim
Subject: RE: G20110165: NEI Letter to Chairman Conerning March 2 Workshop
Date: Thursday, March 17, 2011 2:40:00 PM

As I was trying to covey this morning, your gut instincts were solid once again.

From: McGinty, Tim
Sent: Thursday, March 17, 2011 2:20 PM
To: Boger, Bruce
Subject: RE: G20110165: NEI Letter to Chairman Conerning March 2 Workshop

thx

From: Boger, Bruce
Sent: Thursday, March 17, 2011 2:02 PM
To: McGinty, Tim; Fredrichs, Thomas
Cc: Regan, Christopher; Simmons, Anneliese; Blount, Tom; Quay, Theodore; Leeds, Eric
Subject: RE: G20110165: NEI Letter to Chairman Conerning March 2 Workshop

(b)(5)

From: McGinty, Tim
Sent: Wednesday, March 16, 2011 5:45 PM
To: Fredrichs, Thomas
Cc: Regan, Christopher; Simmons, Anneliese; Blount, Tom; Quay, Theodore; Boger, Bruce
Subject: RE: G20110165: NEI Letter to Chairman Conerning March 2 Workshop

(b)(5)

From: Fredrichs, Thomas
Sent: Wednesday, March 16, 2011 4:20 PM
To: McGinty, Tim
Cc: Regan, Christopher; Simmons, Anneliese; Blount, Tom; Quay, Theodore; Boger, Bruce
Subject: RE: G20110165: NEI Letter to Chairman Conerning March 2 Workshop

Tim,

Thanks for your thoughts. (b)(5)

(b)(5)

(b)(5)

Tom F.

From: McGinty, Tim
Sent: Wednesday, March 16, 2011 12:19 PM
To: Fredrichs, Thomas
Cc: Regan, Christopher; Simmons, Anneliese; Blount, Tom; Quay, Theodore; Boger, Bruce
Subject: RE: G20110165: NEI Letter to Chairman Conerning March 2 Workshop

I like the idea that we treat the incoming letter within the already defined process, which is comments due by April 4.

(b)(5)

Would you be OK with this approach. Notwithstanding, let's chat with Bruce to make sure alignment, if we do an acknowledgement letter I would not be surprised if Eric would want to sign it out. Tim

From: Fredrichs, Thomas
Sent: Tuesday, March 15, 2011 3:32 PM
To: Blount, Tom; McGinty, Tim; Quay, Theodore; Boger, Bruce
Cc: Regan, Christopher; Simmons, Anneliese
Subject: G20110165: NEI Letter to Chairman Conerning March 2 Workshop

To All:

G20110165 directed the staff to take action as appropriate on whether or not to respond to the March 8 letter from Anthony Pietrangelo, NEI, to the Chairman, stating concerns over the conduct of the staff during the March 2, 2011 Decommissioning Funding Workshop.

(b)(5)

Secondly, Marty Virgilio asked for a tutorial on NPV and the issues discussed at the Workshop. The meeting is scheduled for next Monday, March 21. We suggest that we

contact his office and ask if he would prefer to postpone the meeting.

Thanks,
Tom F.

From: Boger, Bruce
To: Craver, Patti; Ross, Robin
Subject: RE: AARM memo
Date: Thursday, March 17, 2011 2:41:00 PM

Thank you.

From: Craver, Patti
Sent: Thursday, March 17, 2011 2:40 PM
To: Boger, Bruce; Ross, Robin
Subject: RE: AARM memo

Yes, I will

From: Boger, Bruce
Sent: Thursday, March 17, 2011 2:40 PM
To: Ross, Robin; Craver, Patti
Subject: AARM memo

Could one of you provide Eric a copy of the AARM memo I just signed for him? Thanks.

From:	Harper, Kevin
To:	NRR_DE Distribution; Grobe, Jack; Leeds, Eric; Bahadur, Sher; Blount, Tom; Brown, Frederick; Cheok, Michael; Galloway, Melanie; Gitter, Joseph; Hiland, Patrick; Holian, Brian; Howe, Allen; Lee, Samson; Lubinski, John; McGinty, Tim; Nelson, Robert; Quay, Theodore; Ruland, William; Matheson, Mary
Cc:	Schwarz, Sherry; Tobe, Celestia; Moore, Toye; Balarabe, Sarah; Curran, Bridget; Beckford, Kaydian; Chey, Sonary; Cox, Linda; Jones(NRR), Latoya; Harper, Kevin; Chen, Qiao-Lynn; Ross, Robin
Subject:	March 18, 2011 Delegation of Authority. George Wilson Acting for Patrick Hiland
Date:	Thursday, March 17, 2011 2:43:29 PM
Attachments:	March 18, 2011 Delegation of Authority.docx

Please ignore the previous delegation of authority memo, George Wilson will be acting Division Director doe DE, Friday March 18, 2011.

Thanks

March 17, 2011

MEMORANDUM TO: John A. Grobe, Deputy Director
for Engineering and Corporate Support
Office of Nuclear Reactor Regulation

FROM: Patrick L. Hiland, Director **/RA/**
Division of Engineering
Office of Nuclear Reactor Regulation

SUBJECT: DELEGATION OF AUTHORITY

During my absence from the office March 18, 2011, I have designated George Wilson as Acting Division Director for Division of Engineering (DE). Mr. Wilson is located at O-9E12 and can be reached at 415-1711.

cc: ET/LT
DE Staff

March 17, 2011

MEMORANDUM TO: John A. Grobe, Deputy Director
for Engineering and Corporate Support
Office of Nuclear Reactor Regulation

FROM: Patrick L. Hiland, Director **/RA/**
Division of Engineering
Office of Nuclear Reactor Regulation

SUBJECT: DELEGATION OF AUTHORITY

During my absence from the office March 18, 2011, I have designated George Wilson as Acting Division Director for Division of Engineering (DE). Mr. Wilson is located at O-9E12 and can be reached at 415-1711.

cc: ET/LT
DE Staff

OFFICE	NRR/DE
NAME	P.Hiland
DATE	03/ 17 /2010

OFFICIAL RECORD COPY

From: (b)(6)
To: Golla, Joe
Subject: (b)(6)
Date: Thursday, March 17, 2011 2:47:00 PM

(b)(6)

(b)(6)

(b)(6)

From: Burgess, Michel
To: Golla, Joe
Subject: Out of Office: COOP
Date: Thursday, March 17, 2011 2:52:19 PM

I will be out of the office until Monday, March 21. If you need immediate assistance, please contact the secretary at 301-415-3340.

From: EMC Corporation
To: Boger, Bruce
Subject: EMC Backup and Recovery at EMC World 2011
Date: Thursday, March 17, 2011 2:55:28 PM

View web version | View mobile version

Backup and Recovery at EMC World 2011

EWlogo

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Blockbuster Backup Solutions Keynote:
BJ Jenkins, President, EMC Backup and Recovery Systems Division

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EMC Corporation, Hopkinton, MA 01748-9103

This email advertisement was sent to: bab2@nrc.gov

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From:	Haney, Catherine
To:	Kokajko, Lawrence; Mohseni, Aby
Subject:	FW: G20110183 - Due Today -- Document Hold Instructions Regarding Yucca High Level Waste Repository -- Estimate of Time (EDATS: OEDO-2011-0202)
Date:	Thursday, March 17, 2011 3:03:00 PM
Attachments:	ACTION G20110183 - Due Today.msg G20110183.pdf

Throw in about 5 hours for me to got thru my records.

From: Rodgers, Mary
Sent: Thursday, March 17, 2011 11:39 AM
To: Chidichimo, Gabriele; Ford, William; Parker, Nicole; Rodgers, Mary; Valencia, Jennifer
Cc: Haney, Catherine; Dorman, Dan; Kokajko, Lawrence; Mohseni, Aby; Davis, Jack; McCartin, Timothy
Subject: G20110183 - Due Today -- Document Hold Instructions Regarding Yucca High Level Waste Repository -- Estimate of Time (EDATS: OEDO-2011-0202)

LADIES/GENTLEMEN:

PLEASE PRINT THE ATTACHED OEDO TICKET AND ACTION.

DUE TO OEDO/OGC: 03/17/2011

Mary L. Rodgers, NMSS
FOIA/Records Manager
(301) 492-3246

-----Original Message-----
From: Jaegers, Cathy
Sent: Thursday, March 17, 2011 11:06 AM
To: RidsNrrMailCenter Resource; RidsNroMailCenter Resource; Berry, Lee; RidsNsirMailCenter Resource; Wimbush, Andrea; RidsFsmeOd Resource; Tressler, Patricia; Fleming, Barbara; RidsNmssOd Resource; Rodgers, Mary; Walker, Dwight; RidsResPmdaMail Resource; Johnson, Kevin; Dempsey, Heather; RidsOiMailCenter Resource; Boyd, Lena; RidsOeMailCenter Resource; Riddick, Nicole; RidsOIS Resource; Fry, Jeannie; RidsCsoMailCenter Resource; Daniels, Stanley; Moore, Mary; RidsAdmMailCenter Resource; Clarke, Deanna; RidsHrMailCenter Resource; Thomas, Loretta; RidsRgn1MailCenter Resource; Matakas, Gina; RidsRgn2MailCenter Resource; Miles, Patricia; RidsRgn3MailCenter Resource; Buckley, Patricia; RidsRgn4MailCenter Resource; Owen, Lucy; Andersen, James; Frazier, Alan
Cc: RidsOgcMailCenter Resource; Remsburg, Kristy; Hirsch, Patricia
Subject: ACTION: G20110183 - Due Today

Attached is the action green ticket for OEDO OD/RAs. The ADAMS version will

be sent after DPC processes.

Attachment ACTION G20110183 - Due Today_1.msg (2560 Bytes) cannot be converted to PDF format.

Display Ticket

Ticket Type	EDO - Green	**Ticketing Organization**	NMSS
Ticket Number	G20110183	**Ticket Contact**	Ford, William H
TAR	N	**Ticket Created On**	03/17/2011
ADAMS Number		**Ticket Due Date**	03/17/2011
FOIA Number		**Ticket Extensions**	0
WITS Ticket Number		**Ticket Status**	
Description	DOCUMENT HOLD INSTRUCTIONS REGARDING YUCCA HIGH LEVEL WASTE REPOSITORY - ESTIMATE OF TIME (EDATS: OEDO-2011-0202)		
Task Basis	Req frm OGC to various dtd 3/17/11		

Correspondence Originator	Correspondence To	Routing	Response Signatures	Response To
OGC (SBurns)	NRC Employees	Haney Dorman Doolittle Rodgers		RidsEDOMailCenter Resource OGC (PHirsch)

Special Instructions (Task 1):	In reference to NRC Annoucement YA-11-0033 (ML110740769), please provide estimate of a reasonable date that the information can be provided to OGC, or in some instances, the requested timelines. Estimate should be provided to OGC (PHirsch) by C.O.B. March 17, 2011.						
Assign To	**Contact**	**Report To**	**Status**	**Date Assigned**	**Date Due**	**Date Closed**	**No. Ext**
NMSS / DHLWRS	TBD	EDO		03/17/2011	03/17/2011	open	0

Ticket G20110183 is open

[Printout]

Main Menu

From:	Chey, Sonary
To:	Boger, Bruce
Cc:	NRR_DLR Distribution; Wertz, Trent; Dias, Antonio; Ross, Robin; Cohen, Shari; Schwarz, Sherry
Subject:	Delegation of Authority: A. Imboden acting Director, DLR: Friday, March 18, 2011
Date:	Thursday, March 17, 2011 3:05:59 PM
Attachments:	March 18, 11 acting me.doc

Good afternoon – while both Brian and Melanie are away from the office tomorrow, Friday, March 18, Andy Imboden has been designated acting Director DLR/NRR. Andy is in room O-11H11 and may reached at 415-2327.

Thanks,
Sonary

March 17, 2011

MEMORANDUM TO: Bruce A. Boger, Deputy Director
for Reactor Safety Programs
Office of Nuclear Reactor Regulation

FROM: Brian E. Holian, Director **/RA by MAGalloway for/**
Division of License Renewal
Office of Nuclear Reactor Regulation

SUBJECT: DELEGATION OF AUTHORITY

While Melanie A. Galloway and I are away from the office on March 18, 2011, I have designated Andy Imboden to be acting Director, DLR/NRR. Andy is located in room O-11H11 and may be reached at 415-2327.

cc: DLR RF
DLR staff via e-mail

March 17, 2011

MEMORANDUM TO: Bruce A. Boger, Deputy Director
for Reactor Safety Programs
Office of Nuclear Reactor Regulation

FROM: Brian E. Holian, Director **/RA by MAGalloway for/**
Division of License Renewal
Office of Nuclear Reactor Regulation

SUBJECT: DELEGATION OF AUTHORITY

While Melanie A. Galloway and I are away from the office on March 18, 2011, I have designated Andy Imboden to be acting Director, DLR/NRR. Andy is located in room O-11H11 and may be reached at 415-2327.

cc: DLR RF
DLR staff via e-mail

ADAMS Accession No.: **ML110760278**

OFFICE	D:DLR
NAME	MAGalloway for BEHolian
DATE	03/17 /2011

OFFICIAL RECORD COPY

From:	Coyne, Kevin
To:	Cheok, Michael
Cc:	Hudson, Daniel; Spencer, Ruth; Coe, Doug; Correia, Richard; Demoss, Gary; Kuritzky, Alan; Beasley, Benjamin; Peters, Sean; Xing, Jing
Subject:	RASP User Need (UNR 2010-017)/ Additional FY2013 Scenario A Cuts for Operating Reactors
Date:	Thursday, March 17, 2011 3:14:28 PM
Attachments:	UNR NRR-2010-017 Incoming ML1018102271.pdf

Mike –

I've attached the incoming user need for risk tool support. As we discussed, although the NRR LT evidently prioritized this UNR as "low" priority, many of the items are actually "high" or "medium" priority (e.g., SPAR/SAPHIRE maintenance, INL help desk support, RASP handbook). We intend to revise the scenario "A" listing in our budget consistent with the priority level identified in the user need (unless we hear differently from you). Also, our RES PMDA point of contact recommended that you let your PMDA budget folks (Hong Le, Caroline Nguyen) know that the "low" priority list generated by the LT may not accurately reflect the real priority needs.

Kevin

July 29, 2010

MEMORANDUM TO: Brian W. Sheron, Director
Office of Nuclear Regulatory Research

FROM: Eric J. Leeds, Director **/RA/ Jack Grobe for**
Office of Nuclear Reactor Regulation

SUBJECT: USER NEED REQUEST FOR SUPPORT IN THE DEVELOPMENT AND ENHANCEMENTS OF NRC RISK ANALYSIS TOOLS

(b)(5)

CONTACT: See-Meng Wong, NRR/DRA
(301) 415-1125

(b)(5)

Enclosures:
As stated

(b)(5)

(b)(5)

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(b)(5)

Attachment NRC_6.joboptions (13738 Bytes) cannot be converted to PDF format.

From:	Hiltz, Thomas
To:	ForeignTravel; Tschiltz, Michael; Kinneman, John
Subject:	Pre-Trip for Hiltz, Workshop Organizing Committee on Fuel Cycle Safety
Date:	Thursday, March 17, 2011 3:21:18 PM
Attachments:	Hiltz Pre-Trip.docx

Please see attached.

Tom

Thomas G. Hiltz
BranchChief
Advanced Fuel Cycle Branch
Division of Fuel Cycle Safety and Safeguards
301-492-3296

International Travel Pre-Trip Notification

This is due 30 days before trip start date. Please complete the light shaded area.

TRAVEL INFORMATION

• **Traveler Name(s):** (include Office/Division)	Thomas Hiltz NMSS/FCSS	• **Phone #(s):**	301-492-3296
• **E-mail Address(es):**	thomas.hiltz@nrc.gov	• **Location(s):**	EBB
• **Multiple Travelers:**	☐ **Less than 4** ☐ **4 or more** (see below)		
If 4+, Coordinating Office:			

If 4+, Office Director Approvals:	(1)	**CHOOSE ONE OF THE FOLLOWING**	Date:	
(Office Director approves travelers	(2)	**CHOOSE ONE OF THE FOLLOWING**	Date:	
from his/her office only)	(3)	**CHOOSE ONE OF THE FOLLOWING**	Date:	
	(4)	**CHOOSE ONE OF THE FOLLOWING**	Date:	

ADAMS Accession Number: [If 4+, Submit NRC Daily Note with ML# of pre-trip notification 30 days before trip start date]	
• **Travel Dates** [mm/dd/yyyy]:	04/16/11-04/20/11
• **Destination(s)** [City, Country]:	Paris, France
• **Framework:**	☐ **Export and Import Licensing** ☒ **Multilateral Cooperation and Assistance** ☐ **Treaties, Agreements, and Conventions** ☐ **International Cooperative Research** ☐ **Bilateral Cooperation and Assistance** ☐ **Other (specify)**
• **International Organization:**	☒ **NEA/CSNI** ☐ **NEA/CNRA** ☐ **NEA/RWMC** ☐ **NEA/MDEP** ☐ **NEA/CRPPH** ☐ **IAEA/NS(TRANSSC)** ☐ **IAEA/NS(WASSC)** ☐ **IAEA/(NUSSC)** ☐ **IAEA/NS(RASSC)** ☐ **IAEA/Safeguards** ☐ **IAEA/NS** ☐ **IAEA/NE** ☐ **IAEA/Technical Cooperation** ☐ **Other:** _____
• **Purpose of Travel:**	Workshop Organizing Committee (WOC) meeting for the NEA/IAEA sponsored workshop on Fuel Cycle Safety
• **Desired Outcome:**	At this meeting,the WOC will coordinate the final agenda, review submitted abstracts, and make any final program decisions.
• **Traveler Role(s):**	Traveler will represent USNRC on the WOC for the IAEA/NEA sponsored conference to be held in Toronto in September 2011 and provide NRC insights and help shape the conference agenda.
• **Is this an NRC Core or Non-Core Trip?** [*Core* means NRC-Funded. *Non-Core* is externally funded or travel to Canada]	☒ Core ☐ Non-Core
• **Is there a speech or presentation to be given?** [If yes, send ADAMS ML# of presentations in an EDO One Week Look Ahead]	☐ Yes ☒ No

• **Are policy issues or other items of Commission interest to be raised?**	☐ Yes ☒ No
If yes, how will the Commission be informed?	

From: Tschiltz, Michael
To: Haney, Catherine
Cc: Kinneman, John; Bailey, Marissa
Subject: FW: Memo/announcement concerning use of the EBB2-E01 secure conference room
Date: Thursday, March 17, 2011 3:24:13 PM

FYI

From: Grice, Thomas
Sent: Thursday, March 17, 2011 3:16 PM
To: Tschiltz, Michael; Habighorst, Peter
Subject: RE: Memo/announcement concerning use of the EBB2-E01 secure conference room

It takes a sweep by qualified Technical Security Counter Measures (TSCM) people. ADM/Facility Security uses a contractor at $4,000 a pop.

From: Tschiltz, Michael
Sent: Thursday, March 17, 2011 2:25 PM
To: Grice, Thomas; Habighorst, Peter
Subject: FW: Memo/announcement concerning use of the EBB2-E01 secure conference room

Peter/Tom.. what does it take to clear the secure conference room after conducting a meeting with a non-cleared member of the public... what actions are required and how much does it cost?

Thanks. Mike

From:	Givvines, Mary
To:	Leeds, Eric; Ferrell, Kimberly
Cc:	Grobe, Jack; Boger, Bruce; Ruland, William
Subject:	RE: Heads up - Work schedule and premium pay.
Date:	Thursday, March 17, 2011 3:25:02 PM

Eric – fyi, I've already forwarded this to all NRR managers. I know how busy you are.

From: Leeds, Eric
Sent: Thursday, March 17, 2011 3:24 PM
To: Givvines, Mary; Ferrell, Kimberly
Cc: Grobe, Jack; Boger, Bruce; Ruland, William
Subject: Heads up - Work schedule and premium pay.

Eric J. Leeds, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
301-415-1270

From: Davidson, Lawrence
Sent: Thursday, March 17, 2011 2:06 PM
To: Abraham, Susan; Abrams, Charlotte; Ader, Charles; Akstulewicz, Frank; Albert, Ronald; Allwein, Russell; Alston, Timothy; Andersen, James; Anderson, Joseph; Armentrout, Deborah; Ash, Darren; Ash, Melissa; Astwood, Heather; Auluck, Rajender; Austin, Joseph; Ayres, David; Bahadur, Sher; Bailey, Marissa; Bailey, Stewart; Baker, Pamela; Banas, Paul; Barss, Dan; Bartlett, Bruce; Bartley, Jonathan; Bartley, Malion; Batkin, Joshua; Baum, Robin; Bayliff, Shirley; Beardsley, James; Beasley, Benjamin; Bell, Hubert; Bell, Marvin; Bellamy, Ronald; Bellinger, Alesha; Benjamin, Jamie; Benner, Eric; Benney, Brian; Bergman, Thomas; Biggins, James; Bladey, Cindy; Blamey, Alan; Bloom, Steven; Bloomer, Tamara; Blount, Tom; Boger, Bruce; Boland, Anne; Bolduc, Angela; Bonser, Brian; Borchardt, Bill; Borden, William; Bouling, Ramona; Bower, Fred; Bower, Phyllis; Boyce, Tom (RES); Boyce, Thomas (OIS); Brady, Joseph; Brenner, Eliot; Brezovec, Michael; Broaddus, Doug; Brooks, Kenneth; Brown, Frederick; Brown, Tony; Brown, Milton; Brown, Rohn; Bubar, Patrice; Buchholz, Jeri; Buckley, Michael; Bumpass, Sheila; Burns, Stephen; Burritt, Arthur; Burton, Stephen; Burton, William; Bush-Goddard, Stephanie; Cain, Chuck; Caldwell, Robert; Calle, Joselito; Cameron, Jamnes; Campbell, Andy; Campbell, Larry; Campbell, Stephen; Campbell, Vivian; Camper, Larry; Caniano, Roy; Cardenas, Daniel; Carlson, Robert; Carpenter, Cynthia; Case, Michael; Casto, Chuck; Casto, Greg; Cataldo, Paul; Catts, Michelle; Champion, Bryan; Chang, Helen; Chang, Lydia; Cheok, Michael; Chernoff, Harold; Chernoff, Margaret; Chokshi, Nilesh; Christensen, Harold; Clark, Jeff; Clay, Earnestine; Clayton, Brent; Clifford, James; Cobey, Eugene; Cochrum, Steven; Coe, Doug; Cohen, Miriam; Cohen, Ronald; Cohen, Stephen; Colaccino, Joseph; Coleman, Judy; Collins, Daniel; Collins, Elmo; Conte, Richard; Cook, Christopher; Corbett, James; Cordes, John; Correia, Richard; Costello, Ralph; Coyne, Kevin; Croteau, Rick; Crowe, Eddy; Cruz, Jeffrey; Csontos, Aladar; Cubbage, Amy; Cubellis, Louis; Cullison, David; Curtis, David; Daley, Robert; Daly, Jill; Dambly, Jan; Daniel, Susan; Danna, James; Dapas, Marc; Davis, Henry; Davis, Jack; Davis, Marlone; Dean, Michael; Dean, Bill; Dehn, Janine; Delligatti, Mark; Dembek, Stephen; Demoss, Gary; Dennig, Robert; Dentel, Glenn; Desai, Binoy; Dias, Antonio; Diaz-Toro, Diana; Dickson, Billy; Dingbaum, Stephen; DiPaolo, Eugene; Dixon, John; Dixon-Herrity, Jennifer; Doane, Margaret; Dodmead, James; Doerflein, Lawrence; Donaldson, Leslie; Donnell, Tremaine; Donoghue, Joseph; Doornbos, Roger; Dorman, Dan; Dorsey, Jeryll; Dosch, William; Dreisbach, Jason; Droggitis, Spiros; Dudes, Laura; Dumbacher, David; Duncan, Eric; Dwyer, James; Dyer, Jim; Eads, Johnny; Easson, Pamela; Egan, Dennis; Egli, Richard; Einberg, Christian; Elkins, Scott; Ellegood, John; Elliott, Robert; Ellsbury, Richard; Erlanger, Craig; Ernstes, Michael; Brown, Cris; Evans, Carolyn; Michele.ca@nrc.gov; Farnholtz, Thomas; Felts, Russell; Fenton, Darlene; Ferdas, Marc; Ferrell, Kimberly; Ficks, Ben; Fields, Leslie; Finney, Patrick; Fitch, Karen; Flanders, Scott; Flynn, Sean; Foster, Jack; Franke, Mark; Franovich, Rani; Fredericks, Carl; Freeman, Scott; Fretz, Robert; Frumkin, Daniel; Frye, Timothy; Fuller, Michael;

Gaddy, Vincent; Gallo, Jenny; Galloway, Melanie; Gartman, Michael; Gavrilas, Mirela; Giantelli, Adelaide; Gibson, Kathy; Giessner, John; Giitter, Joseph; Givvines, Mary; Gody, Tony; Golder, Jennifer; Golshan, KG; Gorham, Tajuan; Gott, William; Graham, Thorne; Grancorvitz, Teresa; Grant, Jeffery; Graser, Dan; Gray, Mel; Greene, Kathryn; Grice, Thomas; Griffin, Steven; Grobe, Jack; Hawkins, Kimberly; Gusack, Barbara; Guthrie, Eugene; Guttmann, Jack; Haag, Robert; Habighorst, Peter; Hackett, Edwin; Haeg, Lucas; Haire, Mark; Hall, Donald; Hall, Patricia; Hamzehee, Hossein; Haney, Catherine; Hansell, Samuel; Harris, Tim; Harrison, Donnie; Hatchett, Gregory; Hawkens, Roy; Hay, Michael; Hayden, Elizabeth; Hays, Myra; Heck, James; Heck, Jared; Helton, Shana; Henderson, Pamela; Hickey, James; Hiland, Patrick; Hills, David; Hilton, Nick; Hiltz, Thomas; Hirsch, Patricia; Hoeg, Tim; Hogan, Rosemary; Holahan, Gary; Holahan, Patricia; Holian, Brian; Holland, Crystal; Holody, Daniel; Holonich, Joseph; Holt, BJ; Hopper, George; Howard, Patrick; Howe, Allen; Howell, Art; Howell, Linda; Hoxie, Chris; Hsia, Anthony; Hsu, Caroline; Hsueh, Kevin; Huber, Deborah; Hudson, Jody; Humerick, David; Hunegs, Gordon; Hunter, James; Huth, Virginia; Hutto, Andy; Huyck, Doug; Imboden, Andy; Itzkowitz, Marvin; Jackson, Deborah; Jackson, Donald; Jackson, Terry; James, Lois; Jankovich, John; Janney, Margie; Jarvis, Rodney; Jenkins, Ronaldo; Jernell, Eleni; Johns, Nancy; Johnson, Michael; Johnson, Clay; Johnson, Robert; Jolicoeur, John; Jones, Bradley; Jones, Evan; Jones, William; Josey, Jeffrey; Joustra, Judith; Julian, Emile; Jung, Ian; Junge, Michael; Kahler, Robert; Kaplan, Michele; Karas, Rebecca; Kellar, Ray; Kelley, Corenthis; Kemerer, Myron; Kemker, Brian; Kennedy, Kriss; Kennedy, Silas; Kerben, Valerie; Kern, David; Khanna, Meena; Kim, Yong; Kimble, Daniel; King, Donald; King, Michael; Kinneman, John; Kirkland, John; Kirkwood, Sara; Klein, Alex; Knutson, Ed; Kobetz, Timothy; Kokajko, Lawrence; Kolaczyk, Kenneth; Konzman, Carl; Koshy, Thomas; Kowal, Mark; Kramer, John; Krohn, Paul; Krsek, Robert; Krupnick, David; Kulesa, Gloria; Kulp, Jeffrey; Kunowski, Michael; Lam, Donna; Lambert, Kenneth; Landau, Mindy; Langan, Scott; Lankford, Jeffrey; Lantz, Ryan; Lara, Julio; Larkin, Grant; Laura, Richard; Layton, Michael; Le, Hong; Lee, Bert; Lee, David; Lee, Richard; Lee, Samson; Lee, Samuel; Leeds, Eric; Lennartz, Jay; Lesser, Mark; Lew, David; Lewis, Robert; Lipa, Christine; Lombard, Mark; Long, Chris; Lopez, Joseph; Lorson, Raymond; Louden, Patrick; Lubinski, John; Luehman, James; Lui, Christiana; Lukes, Robert; Lund, Louise; Lupold, Timothy; Lyons-Burke, Kathy; Ma, May; Madden, Patrick; Madison, Wil; Magruder, Stewart; Mamish, Nader; Markley, Michael; Marshall, Jane; Marshfield, Mark; Martin, Gillian; Masnik, Michael; Masse, Todd; Matheson, Mary; Mathew, Roy; Matthews, David; Mattingley, Joel; Maxin, Mark; Mayfield, Michael; McCann, Carrie; McConnell, Keith; McCoppin, Michael; McCoy, Gerald; McCrary, Cheryl; McCree, Victor; McDermott, Brian; McGhee, James; McGill, Clinton; McGinty, Tim; McGowan, Anna; McHale, John; McKelvey, Harold; McKenna, Eileen; McKenney, Christepher; McKirgan, John; McMillan, Joseph; McMurtray, Anthony; Mendiola, Anthony; Meyer, David; Michalak, Paul; Miller, Charles; Miller, Chris; Miller, Geoffrey; Miller, Marie; Miller, Mark; Miller, Michael; Miotla, Sherri; Mitchell, Matthew; Mitchell, Reggie; Mohseni, Aby; Monk, Robert; Monninger, John; Montgomery, Jack; Moore, Scott; Moore, Thomas; Moorman, James; Morris, Eddie; Morris, James; Morris, R. Michael; Morris, Scott; Morrissey, Thomas; Moulding, Patrick; Moy, Romena; Mrowca, Lynn; Muessle, Mary; Munday, Joel; Murphy, Jerome; Murphy, Martin; Musser, Randy; Narick, Marianne; Nazario, Tomy; Nease, Rebecca; Neff, Deborah; Nelson, Robert; Nichols, Russell; Nieh, Ho; Norato, Michael; Norris, Michael; Nute-Blackshear, Lora; OBrien, Kenneth; OBryan, Phil; O'Donohue, Kathleen; Offutt, David; Ogle, Chuck; OKeefe, Neil; Oklesson, Edward; Ordaz, Vonna; Orth, Steven; O'Sullivan, Kevin; Ott, William; Ousley, Elizabeth; Owens, Janice; Paradiso, Karen; Partlow, Benjamin; Pascarelli, Robert; Peck, Michael; Pederson, Cynthia; Pelke, Patricia; Pellet, John; Pelton, David; Peralta, Juan; Perry, Jamila; Perry, Neil; Persinko, Andrew; Peters, Sean; Peterson, Gordon; Peterson, Hironori; Pham, Bo; Phillips, Charles; Piccone, Josephine; Pool, Stephen; Poole, Brooke; Powell, Amy; Powell, Dawn; Powell, Raymond; Prescott, Peter; Pretzello, Andrew; Price, Georgette; Pruett, Troy; Pstrak, David; Pulliam, Timothy; Quay, Theodore; Quichocho, Jessie; Rabideau, Peter; Rahimi, Meraj; Raione, Richard; Rajnic, Cecilia; Ramirez, Frances; Rasmussen, Richard; Rasouli, Houman; Raspa, Rossana; Rayland, Andrew; Raymond, William; Reckley, William; Reddick, Darani; Reece, James; Regan, Christopher; Reis, Terrence; Remsburg, Kristy; Reynolds, Steven; Reynoso, John; Rheaume, Cynthia; Ricci, John; Rich, Daniel; Rich, Thomas; Richards, Stuart; Ricketts, Paul; Riemer, Kenneth; Ring, Mark; Roach, Edward; Roach, Gregory; Roberts, Darrell; Rodgers, Felecia; Rogge, John; Rosenberg, Stacey; Ross, Thierry; Ross-Lee, MaryJane; Rothschild, Trip; Rough, Richard; Rowhani, Bahman; Royal, Judith; Rubenstone, James; Rubic, Mark; Ruiz, Robert; Ruland, William; Rule, David; Rutkowski, John; Rutledge, Steven; Rzepka, Robert; Sabisch, Andrew; Safford, Carrie; Salgado, Nancy; Salley, MarkHenry; Salter, Susan; Sanchez, Alba; Sanchez, Alfred; Sangimino, Donna-Marie; Santiago, Patricia; Santos, Cayetano; Sargent, Kimberly; Satorius, Mark; Schaaf, Robert; Schaeffer, James; Schmidt, Rebecca; Schneider, Max; Schnetzler, Bonnie; Schoenmann, Sandra; Schroeder, Daniel; Schum, Constance; Scott, Catherine; Scott, Michael; Sealing, Donna; Segala, John; Serepca, Beth; Seymour, Deborah; Shaeffer, Scott; Shaffer, Steve; Shannon, Mel; Shannon, Michael; Sharkey, Jeffry; Shay, Jason; Shear, Gary; Shehee, James;

Sheron, Brian; Shields, James; Shoop, Undine; Shuaibi, Mohammed; Silva, Patricia; Simms, Sophonia; Skeen, David; Skokowski, Richard; Smith, Arthur; Smith, Brian; Smith, Galen; Smith, Rich; Smith, Tuwanda; Solorio, Dave; Sosa, Belkys; Sotiropoulos, Dina; Spencer, Mary; Spindler, David; Spitzberg, Blair; StAmour, Norman; Stablein, King; Stapleton, Bernard; Stetson, Kathleen; Stewart, Scott; Stewart, Sharon; Stoedter, Karla; Stone, AnnMarie; Suber, Gregory; Subosits, Stephen; Sullivan, Allen; Swain, Karol; Sydnor, Russell; Sykes, Marvin; Szyperski, Bill; Tailleart, Don; Talley, Sandra; Tappert, John; Tate, Travis; Taylor, Robert; Tenaglia, Mickey; Terao, David; Terry, Leslie; Thaggard, Mark; Thomas, Brian; Thomas, Christopher; Thorp, John; Tonacci, Mark; Tracy, Glenn; Tran, Tu; Trapp, James; Travick, Vanette; Trent, Glenn; Tschiltz, Michael; Turner, Joseph; Turtil, Richard; Uhle, Jennifer; Ulses, Anthony; Usilton, William; Valentin, Andrea; Vegel, Anton; Vias, Steven; Vietti-Cook, Annette; Virgilio, Martin; VonTill, Bill; Voytko, Victoria; Walker, Tracy; Walker, Wayne; Wall, Scott; Warnick, Greg; Wastler, Sandra; Waters, Michael; Watson, Bruce; Weaver, Doug; Webber, Robert; Weber, Michael; Weerakkody, Sunil; Welling, Blake; Werkheiser, David; Werner, Greg; Wert, Leonard; West, Garmon; West, Steven; Westreich, Barry; Whetstine, Jack; White, Duncan; White, Darrell; Whited, Ryan; Whitten, Jack; Widdup, Joseph; Widmann, Malcolm; Wiggins, Jim; Williams, Barbara; Williams, Evelyn; Williams, Kevin; Williams, Michael; Williams, Mona; Williams-Johnson, Patrice; Williamson, Edward; Wilson, Ernest; Wilson, George; Wilson, Peter; Wood, Gene; Wood, Kent; Wright, Lisa (Gibney); Wrona, David; Wunder, George; Yerokun, Jimi; Young, Cale; Young, Mitzi; Zane, Steven; Zeiler, John; Zimmerman, Jacob; Zimmerman, Roy; Zobler, Marian
Cc: Scott, Tracy; Tallarico, Alison; Thoman, Raymond; Jones, Jackie; Blair, Tina; Chin, Allison; Dean, Vivian; Evans(HR), Marilyn; Himmelberg, Jude; Jackson, Briana; Jaigobind, Savi; Silberfeld, Dafna; Watson, Madonna; Williams, Michelle; Atkinson, Jeanne; Broadwater, Lynne; Brown, Keisa; Hicks, Beverly; Hicks, Valencia; Jonsson, Dawn; Lindsay, Sandy; Marziale, Riqueza; ORourke, Christine; Reeves, Gloria; Scott, Mary; Thomas-Richards, Karen; Todd, Colleen
Subject:

Managers, supervisors, team leaders, and T&L Coordinators,

Attached for your information is a document that addresses, in detail, work schedules and premium pay for individuals who serve in and support the NRC Operations Center or work in Japan, in response to the current, serious nuclear power plant issues in that country. NSIR and the NRC Japanese support team leader will provide the document to all participants.

T&L Coordinators, please note that participants in your organization may contact you to request a change in their HRMS workgroups for pay periods in which they perform emergency response work.

Participants should contact me if they have any questions on work schedules or premium pay.

Larry Davidson
Office of Human Resources
Nuclear Regulatory Commission
301-492-2286; lawrence.davidson@nrc.gov

Owen, Lucy

From: Riddick, Nicole
Sent: Thursday, March 17, 2011 3:27 PM
To: Kellar, Ray; Vasquez, Michael; Caniano, Roy; Maier, Christi; Fuller, Karla; Collins, Elmo; Sreenivas, Leelavathi; Hilton, Nick; Zimmerman, Roy; Coleman, Nicole; Burgess, Michele; White, Duane; Poston-Brown, Martha
Subject: Strategy Form for EA-2011-023
Attachments: ADAMS Document.ADC

Please see the attached.

EA Number: EA-2011-023

Case Information:

EA Number: EA-2011-023 **Status:** Open

Initiator: REGION IV **HQ Enf. Specialist:** Leela Sreenivas **HQ Backup Specialist:** Kerstun Day **Program Office:** FSME

Regional Enf. Specialist: Ray Kellar **Regional Backup Specialist:** Christi Maier **Regional Division:** DNMS **Regional Contact:** Vivian Campbell

Date of Violation: 07/29/2011 **Continuing Violation?:** No **Enforcement Type:** Traditional **Discrimination?:** N/A

Referred to DOL?: N/A **Pending Escalated Action:** Yes **Timeliness Start Date:** 02/14/2011 **Timeliness Based On:** Inspection

Count in Timeliness Report: Yes **License Type:** Radiographer **Small Business?:** No **Report/Document ID:** 2010-002

Inspection Date: 07/29/2010 **Publicly Available?:** No (OUO/SRI) **License Number:** LA-10258-L01 (CAN USA) **Short Description:**

IC-4(a) Violation - failure to use 2 independent controls to secure radiography camera on an offshore platform. Camera was in a locked wooden vault within an unlocked darkroom which was in an open sealand container. The radiography crew arrived within a minute because the inspector "set off" a motion detector in the darkroom.

Docket No. 15000017 **License Name:** **Plant Name:** AGREEMENT STATE-LOUISIANA

Outside Organization - Name: CAN USA, Inc. **City:** Marrero **State:** Louisiana

Facts:

CAN USA - Agreement State (LA) License working offshore in Federal Waters - IC violations

Web Summary:

Actions - 1

Panel

Action Information:

Panel Number: 1

Region Participants: Ray Kellar, Michael Vasquez, Roy Caniano, Marti Poston-Brown, Christi Maier, Karla Fuller, Elmo Collins

OE Participants: Leela Sreenivas, Nick Hilton, Roy Zimmerman, Nicole Coleman

Program Office Participants: FSME: Michele Burgess, Duane White

Other Participants: NSIR:Fritz Sturz

Last Updated By: Kellar, Ray on 03/4/2011

Activities:

OE Approval :

OE Approval: 03/7/2011

Approved by: Leela Sreenivas

Last Updated By: Sreenivas, Leela on 03/7/2011

Panel Held :

Date: 03/3/2011

Actvity Status: Completed

Last Updated By: Sreenivas, Leela on 03/4/2011

Strategy Form :

Strategy Form Number: 1

Considering Sanctions (CP or Enforcement Order)?: No (OUO/SRI)

Violation Number: A

Violation: IC-4(A) Increased Controls

Date of Violation: 07/27/2011

Specific Issue (Violation) Description:

IC-4(a):Failue to provide two independent physical controls that form a tangible barrier to secure the radioactive material from unauthorized removal and it was not under direct control and constant surveillance by the licensee

NOV: Yes

Wrongdoing: No (OUO/SRI)

Consequence: Potential

ID Credit?: No (OUO/SRI)

CA Credit?: Yes

SL/Significance: SL IV

CP?: No CP

Keywords: Secure Source/Device,Increased Controls

Prior Escalated Action?: Yes

Prior EA No.: EA-08-184

Date: 04/16/2010

Next Action: Issue SL IV NOV

Next Action Review: Full OE HQ Review

Other Action(s): OE will review the NOV for consistency and FSME will conduct a courtesy review

Remarks:

The panel agreed to disposition this violation as a SLIV violation using discretion from Severity Level III. However, the cover letter will document the basis for the discretion, indicating the factors that warranted the reduction in severity level such as location, duration, and the radiography crew responded immediately when the motion detector in the dark room alerted them. Nonetheless, the letter will emphasize the licensee's responsibility to maintain control of the radioactive material. Specifically, the panel determined that the offshore platform was in a remote location with no or only minimal non-licensee personnel in the area. Therefore, the panel concluded that the remoteness of the site would limit the ability of other non-licensee personnel to approach the radiographic device. It was noted that the violation was isolated that was caused by an oversight and the licensee's program to monitor and immediately detect, assess, and respond worked such that the radiographers responded immediately, again limiting the likelihood that non-licensee personnel could approach the device without being detected. The panel also considered that the device was secured with at least one barrier and was not under constant surveillance for only a minute or less.

Last Updated By: Sreenivas, Leela on 03/4/2011

Owen, Lucy

From: Owen, Lucy
Sent: Thursday, March 17, 2011 3:27 PM
To: Collins, Elmo; Pellet, John; Gardin, Kathy
Subject: FW: OCFO/OEDO Periodic Budget Meeting
Attachments: Canceled: OCFO/OEDO Periodic Budget Meeting

Importance: High

Tomorrow's 8 a.m. CFO/OEDO Budget Briefing has been cancelled....

Lucy

Owen, Lucy

Subject:	Canceled: OCFO/OEDO Periodic Budget Meeting
Location:	TWFN 2B1
Start:	Fri 3/18/2011 8:00 AM
End:	Fri 3/18/2011 9:00 AM
Show Time As:	Free
Recurrence:	(none)
Recurrence Pattern:	the third Friday of every 1 month from 9:00 AM to 10:00 AM
Meeting Status:	Not yet responded
Organizer:	Dyer, Jim
Required Attendees:	Brown, Milton; Mitchell, Reggie; Taylor, Renee; Borchardt, Bill; Virgilio, Martin; Weber, Michael; Ash, Darren; Mamish, Nader; Williams-Johnson, Patrice; ODaniell, Cynthia; Sentz, Brian; Kasputys, Clare; Jacobs-Baynard, Elizabeth; Grobe, Jack; Leeds, Eric; Dapas, Marc; Reyes, Luis; Pederson, Cynthia; Collins, Elmo; Owen, Lucy; Buckley, Patricia; Miles, Patricia; Cohen, Miriam; Matakas, Gina; Greene, Kathryn; Miller, Charles; Howard, Patrick; Haney, Catherine; Johnson, Michael; Wiggins, Jim; Zimmerman, Roy; McCrary, Cheryl; Boyce, Thomas (OIS); Sheron, Brian; Garland, Stephanie; Cianci, Sandra; Davis, Chon; Beckford, Kaydian; Trowell, Tina; Mahdi, Deborah; Allwein, Russell; Mattingley, Joel; Hudson, Sharon; Krupnick, David; Flory, Shirley; Muessle, Mary; Golder, Jennifer; Carpenter, Cynthia; Rheaume, Cynthia; Schumann, Stacy; Ronewicz, Lynn
Optional Attendees:	Stewart, Sharon; Gusack, Barbara; Madden, Patrick; Givvines, Mary; DNRLCAL Resource; Mayfield, Michael
Importance:	High

Subject meeting is cancelled.

From:	RobinsonII, Richard
To:	OIP Travel Distribution; NRO ForeignTravel Resource
Cc:	Kromer, Harry; Coffin, Stephanie
Subject:	*Pre-Trip for Stephanie Coffin*
Date:	Thursday, March 17, 2011 3:32:54 PM
Attachments:	Pre Trip new form (IFNEC) - April 17-21 2011.docx

Good evening,

Attached, please find the Pre-trip for Stephanie Coffin's travel to Paris, France from April 17-21, 2011.

Please let me know if you have any questions.

Respectfully,

Rob Robinson
Administrative Assistant
NRO/ARP
[Phone] *415-0561*
[Mail Stop] *T-6E04*
[E-mail] *Richard.RobinsonII@nrc.gov*

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

Foreign Travel Pre-Trip Notification

This is due 30 days before trip start date. Please complete the light shaded area.

TRAVEL INFORMATION

• **Traveler Name(s):** (include Office/Division)	Stephanie M. Coffin NRO/ARP	• **Phone #(s):**	301-415-6877
• **E-mail Address(es):**	stephanie.coffin@nrc.gov	• **Location(s):**	T6A01
• **Multiple Travelers:**	☒ **Less than 3** ☐ **3 travelers** (Office Directors to be notified) ☐ **4 +** (see below)		
If 4+, Coordinating Office:	n/a		

If 4+, Office Director Approvals:	(1)	**CHOOSE ONE OF THE FOLLOWING**	Date:	
(Office Director approves travelers	(2)	**CHOOSE ONE OF THE FOLLOWING**	Date:	
from his/her office only)	(3)	**CHOOSE ONE OF THE FOLLOWING**	Date:	
	(4)	**CHOOSE ONE OF THE FOLLOWING**	Date:	

ADAMS Accession Number: [If 4+, Submit NRC Daily Note with ML# of pre-trip notification 30 days before trip start date]	n/a
• **Travel Dates** [mm/dd/yyyy]:	04/17/2011 - 4/21/2011
• **Destination(s)** [City, Country]:	Paris, France

• **Framework:**
- ☐ **Export and Import Licensing**
- ☒ **Multilateral Cooperation and Assistance**
- ☐ **Treaties, Agreements, and Conventions**
- ☐ **International Cooperative Research**
- ☐ **Bilateral Cooperation and Assistance**
- ☐ **Other (specify)**

• **International Organization:**
- ☐ NEA/CSNI
- ☐ NEA/CNRA
- ☐ NEA/RWMC
- ☐ NEA/MDEP
- ☐ NEA/CRPPH
- ☐ IAEA/NS(TRANSSC)
- ☐ IAEA/NS(WASSC)
- ☐ IAEA/(NUSSC)
- ☐ IAEA/NS(RASSC)
- ☐ IAEA/Safeguards
- ☐ IAEA/NS
- ☐ IAEA/NE
- ☐ IAEA/Technical Cooperation
- ☒ Other: IFNEC

• **Purpose of Travel:**	Participate in the meeting of the Infrastructure Development Working Group
• **Desired Outcome:**	Provide support of the INFEC goal of supporting countries starting or expanding nuclear power programs. Our specific contribution at this meeting will be through the discussion of the licensing process, including key policy and technical issues related to small modular reactors.
• **Traveler Role(s):**	Stephanie M. Coffin

• **Is this an NRC Core or Non-Core Trip?** [Core means NRC-Funded. Non-Core is externally funded or travel to Canada]	☒ Core ☐ Non-Core
• **Is there a speech or presentation to be given?** [If yes, send ADAMS ML# of presentations in an FDO One Week Look Ahead]	☒ Yes ☐ No

• **Are policy issues or other items of Commission interest to be raised?**	☐ Yes ☒ No
If yes, how will the Commission be informed?	

From: Tschiltz, Michael
To: Haney, Catherine
Cc: Kinneman, John
Subject: FW: Ticket re: NRC/OSHA MOU
Date: Thursday, March 17, 2011 3:34:54 PM

Cathy... .in response to your inquiry regarding where we stood with the ticket.. I think we are in good shape per explanation below.. Mike

From: Bartlett, Matthew
Sent: Thursday, March 17, 2011 3:33 PM
To: Tschiltz, Michael
Cc: Hiltz, Thomas
Subject: Ticket re: NRC/OSHA MOU

Mike,

The SRM to SECY-10-0128 required three actions related to the Part 40 rulemaking to incorporate ISA requirements for certain source material facilities. The items NMSS are responsible for are listed below.

1. **Publish, concurrently with the proposed rule, draft guidance/standard review plan related to the proposed rule**
   The staff has developed a NUREG (ML102520018) to provide the guidance as directed in the SRM. Since the Part 40 ISA requirements parallel the Part 70 ISA requirements, the NUREG references the existing guidance (for Part 70) in NUREG-1513 and NUREG-1520. The draft guidance has passed through NMSS concurrence and is currently being reviewed (2nd time) by OGC. The internal goal is to have the draft guidance document ready by the end of March.

2. **Evaluate if there is a need to modify the existing MOU between NRC/OSHA**
   NMSS contacted NRC Offices which use the MOU and OSHA regarding the need to update the MOU. Although we received some comment on a need to modernize the MOU, there was agreement that the MOU did not need to be revised to support the Part 40 rulemaking. AFCB is developing a memorandum to Cathy which summarizes the feedback on the MOU and the staffs planned path forward.

3. **If the MOU does not need revised, ensure the proposed Part 40 rule to incorporate ISA and associated guidance provides clear explanation as to how to evaluate NRC/OSHA MOU criterion #3.**
   In order to provide guidance on implementing the MOU criterion #3 in the ISA, a section has been added to the guidance in the NUREG on Part 40. The sections describes how the MOU has been incorporated into the performance requirements for the ISA. It also provides examples of accident sequences which would meet criterion #2 and #3 of the MOU.

FCSS is on schedule to meet the NMSS ticket (FCSS please provide draft guidance (NUREG) for Federal Register Notice to NMSS 04/22/2011; due to OEDO by 04/29/2011) by the first week in April.

Sincerely,

Matt Bartlett
Project Manager
U.S. Nuclear Regulatory Commission
NMSS/FCSS/AFCB
(301)-492-3119

Satorius, Mark

From: Holt, BJ
Sent: Thursday, March 17, 2011 3:38 PM
To: Pederson, Cynthia; Satorius, Mark; Sotiropoulos, Dina; Boland, Anne; Louden, Patrick; Reynolds, Steven; OBrien, Kenneth; West, Steven; Shear, Gary; Bayliff, Shirley
Subject: FW: Stopgap Spending Bill Cleared by Senate

From: Golder, Jennifer
Sent: Thursday, March 17, 2011 3:34 PM
To: Holt, BJ
Subject: FW: Stopgap Spending Bill Cleared by Senate

BJ,

I know you were concerned about the CR- see below – we expect the President to sign by tomorrow so we should be fine through April 8

Jennifer Golder

Budget Director
Office of the Chief Financial Officer
United States Nuclear Regulatory Commission

From: Mahdi, Deborah
Sent: Thursday, March 17, 2011 4:13 PM
To: Williams-Johnson, Patrice; Trowell, Tina; Dorfman, Joel; Agneu, Terry; Kerlin, Marty; Zabrucky, Caroline; Suri, Renu; Champion, Tanya
Subject: Stopgap Spending Bill Cleared by Senate

Stopgap Spending Bill Cleared by Senate

The Senate cleared, 87-13, a sixth continuing resolution (H J Res 48) for fiscal 2011, which would keep the government running through April 8 and would reduce spending by $6 billion. The president is expected to sign the measure into law.

From: Susco, Jeremy
To: Golla, Joe
Subject: RE: BWROG Executive Committee Meeting In May
Date: Thursday, March 17, 2011 3:41:42 PM

On second thought, DLR has nothing to add to the list.

Jeremy

From: Golla, Joe
Sent: Wednesday, March 09, 2011 8:07 AM
To: Titus, Brett; Roquecruz, Carla; Heida, Bruce; Cartwright, William; Meighan, Sean; Cusumano, Victor; Susco, Jeremy
Cc: Nguyen, Quynh; Jolicoeur, John
Subject: BWROG Executive Committee Meeting In May

...forgot to fill in subject line first time

From: Golla, Joe
Sent: Wednesday, March 09, 2011 8:03 AM
To: Titus, Brett; Roquecruz, Carla; Heida, Bruce; Cartwright, William; Meighan, Sean; Cusumano, Victor; Susco, Jeremy
Cc: Nguyen, Quynh; Jolicoeur, John
Subject:

TAs: There's will be a meeting of the BWROG Executive Committee May 25 & 26 in sunny Florida (Palm Beach Gardens). On the morning of the 26th there will be a BWROG/NRC question and answer forum. This portion of the meeting will probably be public. Jack Grobe will be representing the NRC along with others who may be needed to assist him. In preparation for this, would you please ask the appropriate person(s) in your division if there is anything they would like to have raised with the BWROG at the meeting? Ongoing issues and activities we have that involve the BWROG are:

- Crediting containment accident pressure to demonstrate adequate ECCS pump NPSH (Bob Dennig, Rich Lobel)
- ECCS suction strainer evaluation (Stew Bailey, Tony Mendiola for review of in-vessel downstream effects Topical Report)
- Preparation of Draft Guide (DG) 1199: This is proposed Rev. 1 to RG 1.183, "Alternative Radiological Source Terms for Evaluating Design Basis Accidents at Nuclear Power Reactors." (Travis Tate, Mark Blumberg)
- TSTF-514: Rev. 3, Revise BWR Operability Requirements and Actions for RCS Leakage (approved December 2010) (Greg Casto, Anthony Ulses)
- TSTF-515: Revise Post-Accident Monitoring Instrumentation Based on RG 1.97 Rev. 4 and NEDO-33349 Final SE (On hold until NEDO-33349 Final SE is issued) (George Wilson)
- TSTF-522: Rev. 0, Ventilation System Surveillance Requirements to Operate for 10 hours/month (approved February, 2011) (Bob Dennig)

Brett- it's very possible that Jack may want Bill Ruland to come to the meeting so you may want to see that enough time is available on Bill's calendar now to support this meeting, including travel time.

We may need others to support the meeting also. I'll keep you all informed. Please get back to me by COB Friday March 18 regarding issues to be discussed at the meeting. Thank you.

Joe Golla, BWROG PM
US Nuclear Regulatory Commission
NRR/DPR/PLPB
301-415-1002

From: RidsNmssOd Resource
To: Culp, Lisa; Chidichimo, Gabriele; Cooper, LaToya; Damiano, Debra; FCSS Document Processing Resource; Ford, William; Gallardy, Vivian; Parker, Nicole; Rodgers, Mary; Smith, James; White, Bernard
Cc: Easson, Pamela; Pulliam, Timothy; Dorman, Dan; Haney, Catherine; Kinneman, John; Kokajko, Lawrence; Ordaz, Vonna; Bailey, Marissa; Davis, Jack; Mohseni, Aby; Tschiltz, Michael; Weaver, Doug
Subject: 9/11 Commemoration Office Exhibits (NMSS201100103/NMSS-2011-0045)
Date: Wednesday, March 16, 2011 3:42:09 PM
Attachments: NMSS-2011-0045.pdf
NMSS201100103.pdf

LADIES/GENTLEMEN:

PLEASE PRINT THE ATTACHED NMSS TICKETS AND ACTION.

DUE TO NMSS: 03/29/2011

DUE TO NSIR: 03/31/2011

Mary L. Rodgers
FOIA/Records Manager Analyst
(301) 492-3246

From: Salus, Amy
Sent: Wednesday, March 16, 2011 11:54 AM
To: RidsCsoMailCenter Resource; RidsOeMailCenter Resource; RidsFsmeOd Resource; RidsOiMailCenter Resource; RidsOIS Resource; RidsNroMailCenter Resource; RidsNroOd Resource; RidsNmssOd Resource; RidsNrrOd Resource; RidsAdmMailCenter Resource; RidsResOd Resource; RidsSbcrMailCenter Resource; RidsRgn1MailCenter Resource; RidsRgn2MailCenter Resource; RidsRgn3MailCenter Resource; RidsRgn4MailCenter Resource
Cc: Abraham, Susan; Janney, Margie; Huyck, Doug; Evans, Michele; Wiggins, Jim
Subject: 9/11 Commemoration Office Exhibits

To: Office Directors
Regional Administrators

Subject: 9/11 Commemoration Office Exhibits

On September 1, 2011, the NRC will host a commemoration of the 10th anniversary of the events of September 11, 2001. The theme of the event is *"A Day That Changed What We Do and Who We Are"*.

In remembrance of the events of 9/11, we are asking individual offices and regions if they would please submit an exhibit that shows how the events of that day changed the way the office/region

does business. Exhibits could take the form of a poster, handouts, etc.

If your office will be submitting an exhibit for display at this special commemoration event, or for more information, please contact Margie Janney via email or at 301-415-7245 by March 31, 2011.

Michele Evans
Acting Deputy Director
Office of Nuclear Security and Incident Response

Electronic Document and Action Tracking System

EDATS Number: NMSS-2011-0045 **Source:** NMSS

General Information

Assigned To: NMSS
Office Due Date: 3/31/2011 11:00 PM
Other Assignees:
OEDO Due Date: NONE
SECY Due Date: NONE

Subject: 9/11 Commemoration Office Exhibits
Description: Note to ODs/RAs dtd 3/16/11

CC Routing: NONE
ADAMS Accession Numbers - Incoming: NONE
Response/Package: NONE

Other Information

Cross Reference Number: NMSS201100103
Staff Initiated: NO
Related Task:
Recurring Item: NO
File Routing: EDATS
Agency Lesson Learned: NO
OEDO Monthly Report Item: NO

Process Information

Action Type: Note To
Priority: Medium
Sensitivity: None
Signature Level: No Signature Required
Urgency: NO
Approval Level: No Approval Required
OEDO Concurrence: NO
OCM Concurrence: NO
OCA Concurrence: NO
Office Instructions: NMSS/HITAB (Culp) has lead. FCSS/SFST/HLWRS: Please provide POC for ideas, if any, or negative response NMSS/HITAB (Culp) by 3/29/2011; Due to NSIR by 3/31/11

Document Information

Originator Name: Michele Evans, ADD/NSIR
Date of Incoming: 3/16/2011
Originating Organization: NSIR
Document Received by NMSS Date: 3/16/2011
Addressee: Office Directors/Regional Administrators
Date Response Requested by Originator: 3/31/2011
Incoming Task Received: Note To:

Display Ticket

Ticket Type	NMSS - Blue	**Ticketing Organization**	NMSS
Ticket Number	NMSS201100103	**Ticket Contact**	Culp, Lisa-anne
TAR	N	**Ticket Created On**	03/16/2011
ADAMS Number		**Ticket Due Date**	03/31/2011
FOIA Number		**Ticket Extensions**	0
WITS Ticket Number		**Ticket Status**	
Description	9/11 COMMEMORATION OFFICE EXHIBITS (EDATS: NMSS-2011-0045)		
Task Basis	Email frm NSIR to OD/RA dtd 3/16/11		

Correspondence Originator	Correspondence To	Routing	Response Signatures	Response To
NSIR (MEvans)	Office Directors Regional Administrators	Haney Dorman Dooliittle Rodgers		NSIR (MJanney)

Special Instructions (Task 1):	NMSS/HITAB (Culp) has lead. FCSS/SFST/HLWRS: Please provide POC for ideas, if any, or negative response NMSS/HITAB (Culp) by 3/29/2011; Due to NSIR by 3/31/11						
Assign To	**Contact**	**Report To**	**Status**	**Date Assigned**	**Date Due**	**Date Closed**	**No. Ext**
NMSS / HITAB	Culp, Lisa-anne	NSIR		03/16/2011	03/31/2011	open	0
NMSS / DHLWRS	Ford, William H	NMSS / HITAB		03/16/2011	03/29/2011	open	0
NMSS / DSFST	White, Bernard H	NMSS / HITAB		03/16/2011	03/29/2011	open	0
NMSS / FCSS	Smith, James A	NMSS / HITAB		03/16/2011	03/29/2011	open	0

Ticket NMSS201100103 is open

[Printout]

Main Menu

Satorius, Mark

From: Certain Software [info@certain.com]
Sent: Thursday, March 17, 2011 3:42 PM
To: Satorius, Mark
Subject: A Suite Deal from Certain

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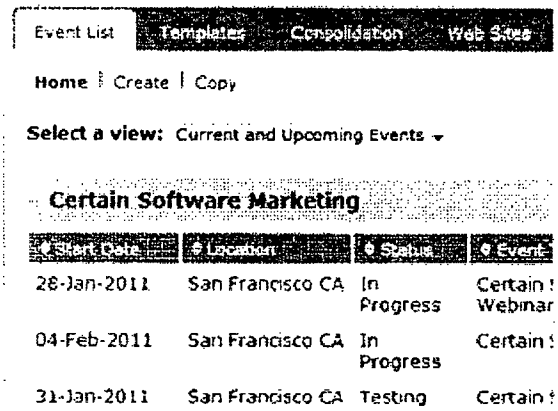

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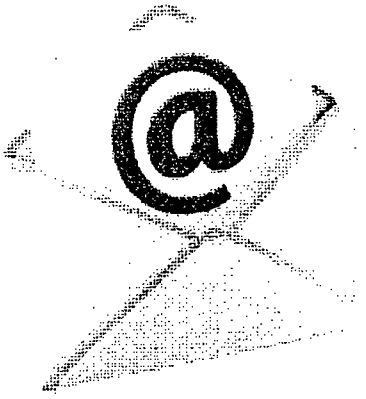

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From:	Matula, Thomas
To:	Haney, Catherine
Cc:	Kokajko, Lawrence; Mohseni, Aby; Benney, Brian; Jacobs, Frank
Subject:	Updated Inspection Program Review Email and Charter
Date:	Thursday, March 17, 2011 3:59:39 PM
Attachments:	WG charter email.docx WG charter.doc

(b)(5)

DATE: March 17, 2011

FROM: Catherine Haney

TO:	RI/DNMS Director	Ray Lorson
	RI/DNMS Deputy Director	Daniel Collins
	RII/DRS Director	Joel Munday
	RII/DRS Deputy Director	Harold Christensen
	RIII/DRS Director	Anne Boland
	RIII/DRS Deputy Director	Patrick Louden
	RIV/DNMS Director	Roy Caniano
	RIV/DNMS Deputy Director	Charles Cain
	NRR Director	Frederick Brown
	NRR Deputy Director	Michael Cheok
	NRO Acting Director	John Tappert
	NRO Acting Deputy Director	Mohamed Shuaibi
	FSME Director	Charles Miller
	FSME Deputy Director	James Luehman
	FCSS Director	John Dinneman
	FCSS Deputy Director	Marissa Bailey
	OGC Assistant General Counsel	Mitzi Young
	OGC Deputy	Norman St. Amour
	OE Deputy Director	Andy Campbell
	OE Enforcement Branch Chief	Nick Hilton
CC:	RI Regional Administrator	William Dean
	RI Deputy Regional Administrator	David Lew
	RII Regional Administrator	Victor McCree
	RII Deputy Regional Administrator	Len Wert
	RIII Regional Administrator	Mark Satorius
	RIII Deputy Regional Administrator	Cynthia Pederson
	RIV Regional Administrator	Elmo Collins
	RIV Deputy Regional Administrator	Art Howell
	NRR Office Director	Eric Leeds
	NRR Deputy Office Director	Bruce Boger
	NRO Office Director	Michael Johnson
	NRO Deputy Office Director	Gary Holahan
	FSME Office Director	Charlie Miller
	FSME Deputy Office Director	Scott Moore
	OGC General Counsel	Stephen Burns
	OGC Assistant General Counsel	Trip Rothschild
	OE Director	Roy Zimmerman
	NMSS Deputy Office Director	Daniel Dorman
	SFST/Director	Vonna Ordaz
	SFST/Deputy Director	Doug Weaver

HLWRS/Director	Lawrence Kokajko
HLWRS/Deputy Director	Aby Mohseni
HLWRS/Deputy Director	Jack Davis

ATTACHMENTS: SRM-COMSECY-10-0007, COMSECY-10-0007, Charter

SUBJECT: LICENSING, INSPECTION, AND ENFORCEMENT PROGRAMS REVIEW FOR STORAGE AND TRANSPORTATION

The purpose of this email is to inform you that the Office of Nuclear Material Safety and Safeguards is performing a self assessment to identify and implement regulatory and process improvements to the Agency's spent fuel storage and transportation inspection program and to seek your support for the project. This self assessment is led by the Division of High Level Waste Repository Safety and will consider the agency's two decades of licensing and oversight experience with dry cask storage and transportation systems, vendors, certificate holders and licensees. A description of this effort can be found in the attached Staff Requirements - COMSECY-10-0007, COMSECY-10-0007, and project Charter.

A staff Working Group (WG) is being formed that will perform a comprehensive review of the existing licensing, inspection, and enforcement programs. A staff Consulting Group (CG) is also being formed to complement the WG but it will not require as much time and will be task specific. The WG and CG will systematically review relevant rules, standards, guidance, procedures, and internal processes used to conduct licensing, inspection, and enforcement of spent nuclear fuel storage and transportation and radioactive materials transportation to identify efficiency and effectiveness improvements. Concurrent with the inspection process review, the WG will develop guidance on inspecting aging management programs at independent spent fuel storage installations with renewed license terms.

I believe that to be as effective as possible, the WG and CG should include members that are experienced in other Agency oversight programs, such as NRR's Reactor Oversight Process and vendor inspection programs conducted by NRO, FCSS, and FSME. To that end, I am seeking both program office and regional perspectives to aid in achieving the best possible outcome. The review will be completed by September 30, 2011, and the level of effort for CG members is no more than 20 hours. Additional time will be required of WG members to perform the detailed review. After the WG and CG members are designated the Project Manager, Thomas Matula, will provide task assignments and charge numbers to team members.

Please contact Thomas Matula (Thomas.Matula@nrc.gov) and provide him with the names of your representatives for the WG/CG as listed in the Charter. We will then arrange for a kickoff meeting in the near future to provide you with additional background information on this project. Thank you for your cooperation and assistance.

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

From:	Riner, Joyce
To:	Archer, Randy; Atkinson, Jeanne; Barclift, Tiffany; Barnes, Terri; Bartlinski, Anita; Blackmon, Leticia; Borchardt, Bill; Broadwater, Lynne; Brown, Keisa; Buchholz, Jeri; Cain, Brendan; Campbell, Steve; Chin, Allison; Cohen, Miriam; Cole, Cassandra; Cusseaux, Susan; Daniels, Christian; Davidson, Lawrence; Dean, Vivian; Dosch, William; English, Kimberly; Etheridge, Peggy; Fleming, Kreslyon; Gallagher, Johanna; Gartman, Michael; Hicks, Beverly; Hicks, Valencia; Himmelberg, Jude; Horn, James; Jackson, Briana; Jaigobind, Savi; Johns, Nancy; Johnson, Sandra; Jones, Angela; Jonsson, Dawn; Judge, Clifford; Lamborn, Linda; Lindsay, Sandy; Lopez, Joseph; Mackey, Carie; Mahayag, Edwardo; Mahoney, Darlene; Evans(HR), Marilyn; Martin, Gillian; Marziale, Rigueza; McCormick, Chad; Milton, Dariele; Morrison, Jennie; ORourke, Christine; Picon-Colon, Reinaldo; Powell, Dawn; Quayle, Lisa; Reeves, Gloria; Riner, Joyce; Royal, Judith; Rubic, Mark; Salter, Susan; Sanford, Nancy; Scott, Mary; Scott, Tracy; Simms, Dannette; Smith, Bertinia; Stanfield, Richard; Tallarico, Alison; Thomas, Loretta; Todd, Colleen; Watson, Madonna; Williams, Linda; Williams, Lisa; Williams, Michelle; Willis, Shelia
Subject:	Retirement Loss List Dated March 19th
Date:	Thursday, March 17, 2011 4:03:18 PM
Attachments:	Retirement Loss List.doc

Have a great weekend.

Joyce

Joyce M. Riner
Human Resources Specialist
Office of Human Resources
301-415-1230
FAX 301-415-3818

RETIREMENT LOSS LIST

* = Indicates an addition or change since the last list

March 19, 2011

DATE	NAME	ORG	POSITION	PAY PLAN-GRADE/ RETIREMENT CODE	SCH	YRS	REEMPLOYMENT PENDING/APP'D
RETIREMENTS FOR WEEK ENDING 03/19/2011:							
NONE							
RETIREMENTS FOR WEEK ENDING 03/26/2011:							
NONE							
HQ PENDING RETIREMENTS							
(b)(6)							
REGION I PENDING RETIREMENTS							
(b)(6)							
REGION II PENDING RETIREMENTS							
(b)(6)							
REGION III PENDING RETIREMENTS							
(b)(6)							
REGION IV PENDING RETIREMENTS							
NONE							

RETIREMENT LOSS LIST

* = Indicates an addition or change since the last list

March 19, 2011

DATE	NAME	ORG	POSITION	PAY PLAN-GRADE/ RETIREMENT CODE	SCH	YRS	REEMPLOYMENT PENDING/APP'D

From: (b)(6)
To: Lubinski, John
Subject: (b)(6)
Date: Thursday, March 17, 2011 4:04:38 PM

(b)(6)

(b)(6)

From: Haney, Catherine
To: Negrin, Darlene
Subject: RE: Personnel
Date: Thursday, March 17, 2011 4:07:00 PM

Lets go with Kristina

From: Negrin, Darlene
Sent: Thursday, March 17, 2011 3:19 PM
To: Haney, Catherine
Subject: RE: Personnel

(b)(5)

Darlene T. Negrin
NMSS/PBPA
301-492-3558

"THE MIND IS LIKE A PARACHUTE, IT WORKS BEST WHEN IT'S OPEN."

From: Haney, Catherine
Sent: Thursday, March 17, 2011 2:52 PM
To: Negrin, Darlene
Subject: RE: Personnel

(b)(5)

From: Negrin, Darlene
Sent: Thursday, March 17, 2011 2:37 PM
To: Haney, Catherine
Cc: Dorman, Dan
Subject: RE: Personnel

Since you're online, please break the tie for me:

February Employee of the Month:

Kristina Banovac
The Spent Fuel Storage and Transportation Division (SFST) nominates Kristina Banovac as the Office of Nuclear Material Safety and Safeguards (NMSS) Employee of the Month, for February 2011, for her successful efforts and significant contributions in responding to questions from Ms. Debbie Grinnell, C-10 Foundation. Ms. Grinnell requested information related to the NextEra Energy Seabrook, LLC (NextEra), Seabrook Station Independent Spent Fuel Storage Installation (ISFSI) and the dry cask storage system (DCSS) used to store spent fuel at the ISFSI. On December 2, 2010, the NRC granted an exemption to allow NextEra to use a daily temperature measurement program as an alternate method of monitoring the thermal performance of the ISFSI horizontal storage modules (HSMs), instead of the daily visual inspection of the HSM air vents to ensure they are not

blocked. Ms. Grinnell submitted her questions by e-mail on December 8, 2010, to better understand the exemption that had been issued. Ms. Banovac worked very hard to produce a letter that is responsive to the questions, provides the right level of detail for such questions, and is clear with respect to organizational roles and responsibilities for NRC staff at Region I and headquarters, and for NextEra. She spent quite a bit of time coordinating with appropriate staff both within, and outside of the NRC, and was diligent in crafting careful, responsive and accurate answers to the questions. In addition, she kept C-10 up-to-date on the status of the response. Ms. Banovac's efforts were complimented by the Seabrook Station Sr. Resident Inspector, in his review of the draft response letter. The letter responding to Ms. Grinnell was issued on February 28, 2011. By ensuring a high quality and timely response, Ms. Banovac demonstrated the NMSS values of Excellence, Service, Cooperation, Commitment and Mission.

(b)(5),(b)(6)

Darlene T. Negrin
NMSS/PBPA
301-492-3558

"THE MIND IS LIKE A PARACHUTE,
IT WORKS BEST WHEN IT'S OPEN."

From: Haney, Catherine
Sent: Thursday, March 17, 2011 2:30 PM

From: Gibson, Kathy
To: Inverso, Tara; Ruland, William; Ader, Charles; McGinty, Tim
Cc: Helton, Shana; Quay, Theodore; Flanagan, Michelle; Landry, Ralph; Clifford, Paul; Mizuno, Geary; Lee, Richard
Subject: RE: Response Requested: 50.46(b) Deliverables/Milestones
Date: Thursday, March 17, 2011 4:09:24 PM
Attachments: Kathy Halvey Gibson.vcf

Tara,
I just met with Michelle and John. RES/DSA is aligned with your proposal.

It is a very tight schedule, but we believe we can support it.

Thanks,
Kathy

Kathy Halvey Gibson
Director
Division of Systems Analysis

Kathy.Gibson@nrc.gov
(301) 251-7499 Work
(b)(6) Cell

From: Inverso, Tara
Sent: Wednesday, March 16, 2011 10:14 AM
To: Ruland, William; Gibson, Kathy; Ader, Charles; McGinty, Tim
Cc: Helton, Shana; Quay, Theodore; Flanagan, Michelle; Landry, Ralph; Clifford, Paul; Mizuno, Geary; Lee, Richard
Subject: Response Requested: 50.46(b) Deliverables/Milestones

Good morning,

The working group developed a revised schedule based on the extended due date, and upcoming ACRS meetings. The working group is in agreement that RES will provide, by May 20th, a revised RIL. This RIL would reference a larger technical document; the larger technical document (perhaps a NUREG) would contain the evaluation and conclusions of the research into the mechanical properties of the balloon, and the fuel fragmentation/dispersal phenomenon. These conclusions, and the impact these conclusions have on RIL-0801's findings, would be described in the revised RIL. (This is similar to the relationship between RIL-0801 and NUREG-6967.)

Please respond to this e-mail by COB Thursday, 3/17, regarding your alignment on the following:

- **May 20, 2011- Revised RIL and supporting technical documents**

(b)(5)

(b)(5)

Please let me know if you have any questions.

Thank you,

Tara

Tara Inverso, Project Manager
Rulemaking Branch
O12-D21 / (301)-415-1024 / Tara.Inverso@nrc.gov

From: Jones(NRR), Latoya
To: NRR_DPR Distribution
Subject: Administrative Assistance for 3/18/2011
Date: Thursday, March 17, 2011 4:10:05 PM

I will be out of the office tomorrow, March 18, 2011. Please see Meghan Creedon for Administrative assistance.

Thank you,
LaToya

From: Pulliam, Timothy
To: Haney, Catherine; Dorman, Dan
Cc: Fitch, Karen; Tschiltz, Michael; Kinneman, John; Kokajko, Lawrence; Mohseni, Aby; Davis, Jack; Bailey, Marissa; Weaver, Doug; Ordaz, Vonna
Subject: FW: Announcements - Commission SRM - FY 2013 Perform...
Date: Thursday, March 17, 2011 4:11:50 PM

FYI.

From: Budget Formulation [mailto:sharepoint-help@nrc.gov]
Sent: Thursday, March 17, 2011 2:55 PM
To: Pulliam, Timothy
Subject: Announcements - Commission SRM - FY 2013 Perform...

Budget Formulation

Commission SRM - FY 2013 Perform... has been added

Modify my alert settings | View Commission SRM - FY 2013 Perform... | View Announcements | Mobile View

Title: Commission SRM - FY 2013 Performance Budget High-Level Planning Guidance

Modified: 3/17/2011 2:52 PM

Created: 3/17/2011 2:52 PM

Body: On March 17, 2011, the Commission issued its Staff Requirements Memorandum (SRM) - COMCBJ-11-0001 - FY 2013 Performance Budget High-Level Planning Guidance. The SRM may be found at this link: SRM Commission High-Level Planning Guidance.

In developing business/product line budget requests, lead offices should assume the following overarching planning objectives:

(b)(5)

In developing the business line/product line budget requests, lead offices should assume the above overarching planning objectives, as well as the detailed budget guidance in the Commission SRM. Lead offices are requested to finalize their Business

Line Summaries (BLS) for their business/product lines by April 1, 2011. The April 1st due date is not expected to be extended because the DEDOs schedules to discuss the budgets with their direct reports cannot be postponed.

Expires: 5/31/2011

Last Modified 7/17/2011 2:54:17 PM by Small, George

From:	Hudson, Daniel
To:	Cheok, Michael
Subject:	Out of Office: RASP User Need (UNR 2010-017)/ Additional FY2013 Scenario A Cuts for Operating Reactors
Date:	Thursday, March 17, 2011 4:34:27 PM

I am out of the office on Thursday, 3/17. If you need assistance with any urgent matter in my absence, please call the DRA Administrative Assistants at 301-251-7430.

From: Coe, Doug
To: Cheok, Michael
Subject: Out of Office: RASP User Need (UNR 2010-017)/ Additional FY2013 Scenario A Cuts for Operating Reactors
Date: Thursday, March 17, 2011 4:34:27 PM

I am currently out of the office and will return on Monday March 21.

In my absence, the acting RES/DRA Director is Kevin Coyne who can be reached at 301-251-7586.

If you need immediate assistance, please call 301-251-7430.

Thank you,
Doug Coe
Deputy Director
Division of Risk Analysis
Office of Nuclear Regulatory Research

From:	Demoss, Gary
To:	Cheok, Michael
Subject:	Out of Office: RASP User Need (UNR 2010-017)/ Additional FY2013 Scenario A Cuts for Operating Reactors
Date:	Thursday, March 17, 2011 4:34:27 PM

Don Marksberry is acting Branch Chief while I am out of the office. He can be reached at 301-251-7593.

If you need immediate attention, please call the DRA secretary at 251-7430.

I will return to the office on Friday, March 18, 2011.

Gary DeMoss
RES/DRA/PRB
(301)251-7584

From: Peters, Sean
To: Cheok, Michael
Subject: Out of Office: RASP User Need (UNR 2010-017)/ Additional FY2013 Scenario A Cuts for Operating Reactors
Date: Thursday, March 17, 2011 4:34:28 PM

I will be out of the office from Mach 17 through Mar 23.

If you have any urgent issues, please contact Jing Xing at 301-251-7580.

From: Jones, Kimberly
To: Grobe, Jack; Mohseni, Aby
Subject: FW: Diversity Plan Celebration
Date: Thursday, March 17, 2011 4:35:27 PM

Sorry gentlemen, I forgot to put you on the e-mail. Please see attached e-mail below.

Kim

From: Jones, Kimberly
Sent: Thursday, March 17, 2011 4:31 PM
To: Haney, Catherine; Dorman, Dan; Kokajko, Lawrence; Ordaz, Vonna; Bailey, Marissa; Weaver, Doug; Fitch, Karen; Easson, Pamela
Cc: Jones, Sam; Negrin, Darlene
Subject: Diversity Plan Celebration

Cathy, Dan, Tim, Lawrence, Vonna, John, Marissa, Doug, Karen and Pam:

NMSS will be celebrating the roll out of our Diversity Plan on April 12, 2011, at 2:00.

In addition to speakers, we plan to have international foods from local ethnics restaurants to snack, as we mingle, have fun and learn how much we are alike!!!!

To ensure everyone is a part of the festivities, it will be required that each division:

- encourage those that are teleworking to switch their days to be present
- provide some type of entertainment (karaoke, poem reading, dance or presentation) not to exceed 10 minutes. Please provide me with the logistics of your divisions entertainment by March 31, 2011.
- participate in the "Its Diversity" game. We need three individuals from each division to participate. Please provide those names to Darlene Negrin by April 8, 2011.
- provide me with two facts about yourself (ex. I like to ride a Harley motorcycle in my spare time who am I or my last name originated from England who am I?) by March 31, 2011.
- Sam Jones will be will discuss he financial needs for catering this event at the next LT and DLT meetings.

Again, thank you so much for your continued support.

Kim

Dean, Bill

From: Dean, Bill
Sent: Thursday, March 17, 2011 4:39 PM
To: Baker, Pamela; Walker, Tracy; Dean, Michael
Subject: Fw: IT/IM Strategic Plan Update

In case you are not on distribution.
Bill Dean
Regional Administrator
Region I, USNRC
Sent from NRC BlackBerry

From: Goldberg, Francine
To: Hackett, Edwin; Hawkens, Roy; Bell, Hubert; Lee, David; Burns, Stephen; Vietti-Cook, Annette; Brenner, Eliot; Hayden, Elizabeth; Schmidt, Rebecca; Powell, Amy; Poole, Brooke; Doane, Margaret; Mamish, Nader; Dyer, Jim; Brown, Milton; Borchardt, Bill; Virgilio, Martin; Greene, Kathryn; Stewart, Sharon; Howard, Patrick; Miller, Charles; Moore, Scott; Cohen, Miriam; Tracy, Glenn; Haney, Catherine; Dorman, Dan; Johnson, Michael; Holahan, Gary; Leeds, Eric; Boger, Bruce; Grobe, Jack; Wiggins, Jim; Dapas, Marc; Zimmerman, Roy; Campbell, Andy; McCrary, Cheryl; Krupnick, David; Boyce, Thomas (OIS); Schaeffer, James; Sheron, Brian; Uhle, Jennifer; Kelley, Corenthis; Williams, Barbara; Dean, Bill; Lew, David; McCree, Victor; Wert, Leonard; Casto, Chuck; Satorius, Mark; Pederson, Cynthia; Collins, Elmo; Howell, Art; Gallo, Jenny; Whetstine, Jack; Huber, Deborah; Tenaglia, Mickey; Powell, Amy; Poole, Brooke; McDevitt, Joan; Rough, Richard; Dambly, Jan; Webber, Robert; Shay, Jason; Pulliam, Timothy; Gusack, Barbara; Givvines, Mary; Rheaume, Cynthia; Ficks, Ben; Valentin, Andrea; Baker, Pamela; Coleman, Judy; Holt, BJ; Hays, Myra; Ash, Darren; Holonich, Joseph; Corbett, James; Rich, Thomas; Shields, James; Voytko, Victoria; Coplin, Seth; Daniel, Susan; Kemerer, Myron; Ousley, Elizabeth; Bell, Marvin; Szyperski, Bill; Turner, Joseph; Rasouli, Houman; Sealing, Donna; Nichols, Russell; Ricketts, Paul; Lyons-Burke, Kathy; Graham, Thorne; Trocki, Tamara
Sent: Thu Mar 17 10:09:33 2011
Subject: IT/IM Strategic Plan Update

All –

I just wanted to update all of you who participated in the SWOT analyses for the IT/IM Strategic Plan last fall. Your input, especially your suggestions for improvements, has been essential in helping us develop the strategies, measures, and key activities for each of the IT/IM goals.

Although the plan is not yet final, you can get a preview of what it will contain at the following SharePoint site: http://portal.nrc.gov/edo/ois/itimstratplan/default.aspx

In particular, I'd like to draw your attention to the following SharePoint views in the middle of the page:

IT/IM Strategic Plan Reports

Plan Components
Goals and Strategies
Strategies and Associated Measures by Goal
Strategies and Associated Activities by Goal

Once again I'd like to express my appreciation for your participation in this effort. We plan to use the plan as the framework and key driver for future revisions to the IT Roadmap, the OIS and CSO operating plans beginning in FY 2012, and the IT/IM budget.

If I have omitted any of the attendees from your organization who attended the SWOT meetings, please pass this along.

Francine F. Goldberg
Senior Advisor for IT/IM Strategic Planning and Communication
Francine.Goldberg@nrc.gov
(301) 415-6921 (O)
NRC Operator - Best way to reach me on Mondays and Wednesdays

From:	Riddick, Nicole
To:	Sparks, Scott; Croteau, Rick; Munday, Joel; Guthrie, Eugene; Musser, Randy; Bernhard, Rudolph; Hanna, John; Ross, Thierry; Campbell, Andy; Hilton, Nick; Hott, Christopher; Summers, Robert; Lee, Samson; Cheok, Michael; Cunningham, Mark; Franovich, Rani; Ashley, MaryAnn; Klett, Audrey; Circle, Jeff; Rodriguez, Veronica; Vaughn, Stephen; Gratton, Christopher
Subject:	Strategy Form for EA-2011-018
Date:	Thursday, March 17, 2011 4:41:16 PM
Attachments:	ML110740494.ADC

Please see the attached. Thank you.

Attachment ML110740494.ADC (107 Bytes) cannot be converted to PDF format.

From: Harrison, Donnie
To: Lee, Samson; Cheok, Michael; Tate, Travis; Klein, Alex
Subject: Interest in supporting reviews
Date: Thursday, March 17, 2011 5:23:04 PM

While I was at PSA 2011 I was approached by Ross Anderson (professor at VCU and own company) interested in how he and his partner could support our various reviews, primarily NFPA 805 and SAMA PRa support. I indicated there were different mechanisms (via subbing to lab or separate commercial RFP). They do not have a conflict as they do not do commercial nuclear support. Ross used to work for Dominion as a PRA lead, which is where I know him from.

I told him I would get back to him on how he should proceed (or if we would provide his information to the labs for their consideration).

Any thoughts?

Donnie

From:
To:
Subject:
Date: Thursday, March 17, 2011 5:23:58 PM
Attachments: ATT00001.txt

(b)(6)

(b)(6)

(b)(6)

From: Bowen, Jeremy
To: Cheok, Michael
Subject: Out of Office: NFPA 805 inspections
Date: Thursday, March 17, 2011 5:37:54 PM

I will be out of the office until Monday, March 21. If you need immediate assistance please contact Aron Lewin.

Thank you,
Jeremy Bowen

From: Jones, Sam
To: McCubbin, Sharlene
Cc: Pulliam, Timothy; Fitch, Karen; Dorman, Dan; Haney, Catherine
Subject: RE: J5648 FEI Routeslip.docx
Date: Thursday, March 17, 2011 6:21:29 PM

OUTSTANDING WORK AND A VERY FAST TURN AROUND

THANK YOU VERY MUCH !!!

From: McCubbin, Sharlene
Sent: Thursday, March 17, 2011 6:11 PM
To: Fitch, Karen
Cc: Jones, Sam
Subject: J5648 FEI Routeslip.docx

Everything is ready and we are waiting for FEI to call back and give us a proposal hopefully on Friday. I will call them in the morning.
Sam says as long as this can be in place by Tuesday or Wednesday next week he will be o.k.

I have tried to make the job easy for whom ever needs to complete.

I am in training next week down in DC but if Tracy or Brenda are not here on Monday or Tuesday, I told Sam to have you call me on my cell phone and I will come in from DC on Tuesday evening after class if you have trouble.

I think I can walk you through things verily quickly.

Please look over the letter, SOW and justification for spell check. I was rushing to get this done for Sam. I forgot to do spell check.

I am leaving a copy of this email and package on your chair.
Sharlene McCubbin
(b)(6) (cell)

Satorius, Mark

From: Ariano, Carole
Sent: Thursday, March 17, 2011 6:22 PM
To: Satorius, Mark; Pederson, Cynthia
Subject: BI-WEEKLY T&L REPORT
Attachments: image001.png; U9300 REG .pdf; U9300 NON.pdf

Importance: High

Attached are reports (in pdf format) of summarized Time & Labor hours entered and certified for your employees in the previous pay period (2/27/11 - 3/12/11). There are usually two reports - Regular hours and Non-Regular hours (if applicable).

Please contact me with any questions, comments or suggestions you may have.

Thank you,

Carole Ariano

Carole A. Ariano
License Fee / Time & Labor Coordinator
eTravel System Administrator
Region III
630-829-9554 ***carole.ariano@nrc.gov***

(b)(2),(b)(6)

(b)(2),(b)(6)

(b)(2),(b)(6)

(b)(2),(b)(6)

(b)(2),(b)(6)

(b)(2),(b)(6)

(b)(2),(b)(6)

(b)(2),(b)(6)

From:	McGinty, Tim
To:	Jones(NRR), Latoya; FAST Resource; Blount, Tom; Quay, Theodore; Valentine, Nicholee; Helton, Shana; Quichocho, Jessie; Eads, Johnny; Regan, Christopher; Rosenberg, Stacey; Jolicoeur, John
Cc:	Boger, Bruce
Subject:	RE: 3.17.11. Ticket Status
Date:	Thursday, March 17, 2011 6:24:47 PM
Attachments:	3.17.11.docx

Thanks, all of you and your staff, for somehow managing to keep the trains running. Really appreciate it. Tim

From: Jones(NRR), Latoya
Sent: Thursday, March 17, 2011 3:49 PM
To: FAST Resource; Blount, Tom; McGinty, Tim; Quay, Theodore; Valentine, Nicholee; Helton, Shana; Quichocho, Jessie; Eads, Johnny; Regan, Christopher; Rosenberg, Stacey; Jolicoeur, John
Subject: 3.17.11. Ticket Status

3/17/2011 TICKET STATUS

Eads (NRR due 3/25/2011 – Latest due 3/30/2011)
Y020100240 – Unannounced Inspections at Research and Test Reactors
Status: Delivered to NRR Mailroom on 3/17/11.

Astwood (NRR due 3/21/2011 – Latest due 3/24/2011)
Y20110011 – Briefing for Marty Virgilio on IAEA Activities for March 29th Meeting.
Status: Completed on 3/16/11. Waiting on official closeout.

Cruz (NRR due 3/25/2011 – Latest due 3/30/2011)
Y20110048 – Management Directive and Handbook 3.7, "NUREG-Series Publications"
Status: Soliciting feedback from Division TA's due 3/23/11. On schedule to meet 3/25/11 due date.

Bowman (NRR due 3/23/2011 – Latest due 3/28/2011)
Y20110049 – Proposed revisions to Management Directive and Handbook 3.12, "Handling and Dispositions of Foreign Documents and Translations"
Status: Comments provided to ADM on 3/16/11. Waiting on official closeout.

Mensah (NRR due 3/28/2011 – Latest due 3/31/2011)
WITS200700062 – Provide Monthly Report on Part 2.206 Petitions
Status: Delivered to NRR Mailroom on 3/17/11.

Quinones (NRR due 3/22/2011 – Latest due 3/25/2011)
WITS200700139 – Final Rule – Enhancements to Emergency Preparedness Regulations and Guidance (10 CFR Part 50)
Status: Package with OGC for NLO. On schedule to make 3/22/11 due date.

Astwood (NRR due 3/23/2011 – Latest due 3/28/2011)
G20110151 – Update to the Enclosure of the 2010 Annual Report on IAEA/NEA Activity Descriptions and Associated Draft Commission Paper.
Status: The report is being updated to include all of NRR's IAEA and NEA activities in 2010.

From: (b)(6)
To: Lubinski, John
Subject: (b)(6)
Date: Thursday, March 17, 2011 6:37:34 PM

(b)(6)

(b)(6)

From: (b)(6)
To: Haney, Catherine
Subject: (b)(6)
Date: Thursday, March 17, 2011 6:38:23 PM

(b)(6)

From:	Borchardt, Bill
To:	Rheaume, Cynthia
Subject:	Re: Answer to your CR Question
Date:	Thursday, March 17, 2011 6:55:27 PM

Thanks
Bill Borchardt
Via blackberry

From: Rheaume, Cynthia
To: Borchardt, Bill
Sent: Thu Mar 17 18:49:27 2011
Subject: Answer to your CR Question

The Senate cleared, 87-13, a sixth continuing resolution (H J Res 48) for fiscal 2011, which would keep the government running through April 8 and would reduce spending by $6 billion. The president is expected to sign the measure into law.

Cynthia Rheaume
Director, Program Management, Policy
Development and Analysis
Nuclear Security and Incident Response
(301)415-6538
Cynthia.Rheaume@nrc.gov

From: Sheron, Brian
To: Case, Michael; Cue, Doug; Carney, Bernard; Gibson, Kathy; Lui, Christiana; Richards, Stuart; Seligmann, Donna Marie; Scott, Michael; Uhle, Jennifer; Valenton, Andrea
Subject: FW: FYI - GOOD NEWS! Senate Passes the 3-Week CR Extension
Date: Thursday, March 17, 2011 6:56:30 PM

From: Weber, Michael
Sent: Thursday, March 17, 2011 6:52 PM
To: Bowman, Gregory; Brock, Kathryn; Campbell, Andy; Carpenter, Cynthia; Dorman, Dan; Frazier, Alan; Haney, Catherine; Krupnick, David; McCrary, Cheryl; Miller, Charles; Moore, Scott; Sheron, Brian; Uhle, Jennifer; Zimmerman, Roy
Cc: PMT01 Hoc; RST01 Hoc; OST02 HOC; LIA05 Hoc; HOO Hoc
Subject: FYI - GOOD NEWS! Senate Passes the 3-Week CR Extension

We just wanted to let you know that the Senate just passed the 3-week extension to the CR (through Friday, April 8). Attached below is a statement by the White House Press Secretary.

THE WHITE HOUSE
Office of the Press Secretary

FOR IMMEDIATE RELEASE
March 17, 2011

Statement by Press Secretary Jay Carney on Senate Passage of the Three-Week Continuing Resolution

Today, the Senate passed a short-term funding bill that avoids a government shutdown and gives Congress the time to find common ground on a measure to take us through the end of the fiscal year. Continuing to fund our government in two or three week increments adds uncertainty to our economy and distracts us from other urgent priorities facing our nation. Now is the time for Democrats and Republicans to come together and find a long-term solution that cuts spending without impeding our ability to win the future. We all agree we want to cut spending, which is why we have already met Republicans halfway. But we will continue to oppose harmful cuts to critical investments in education, innovation, and research and development that we need to grow our economy and create jobs – as well as oppose additions to the bill that have nothing to do with fiscal policy. The President is optimistic that Congress can get this done.

###

From: Trapp, James
To: HRMSBulletin.Resource@nrc.gov
Subject: RE: Payroll Reminder
Date: Thursday, March 17, 2011 7:10:29 PM

From: HRMSBulletin.Resource@nrc.gov [HRMSBulletin.Resource@nrc.gov]
Sent: Thursday, March 17, 2011 7:34 AM
To: Trapp, James
Subject: Payroll Reminder

Your earnings and leave statement (ELS) is available on Employee Express (EEX) as of close of business Thursday March 17, 2011. NRC's Official pay date is Tuesday March 22, 2011 and your direct deposit will be available by this date. To access EEX, click here:

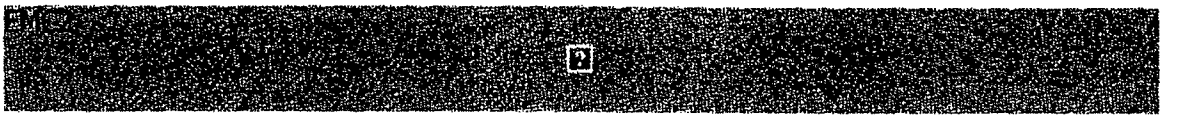
https://www.employeeexpress.gov/

Questions can be directed to the Department of Interior Payroll Operations Help Desk at 1-888-367-1622.

Reminder: All employees are responsible for reviewing their ELS for accuracy of data.

From: EMC Corporation
To: Haney, Catherine
Subject: EMC Backup and Recovery at EMC World 2011
Date: Thursday, March 17, 2011 7:32:25 PM

View web version | View mobile version



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- EMC Data Protection Advisor
- EMC Disk Library for Mainframe

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Blockbuster Backup Solutions Keynote:
BJ Jenkins, President, EMC Backup and Recovery Systems Division

Learn more >>

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EMC Corporation, Hopkinton, MA 01748-9103

This email advertisement was sent to: catherine.haney@nrc.gov

Read our privacy policy.

From: Powell, Dawn
To: Dorman, Dan; Burns, Stephen; Tracy, Glenn; Lew, David; Stewart, Sharon; Grobe, Jack
Cc: Thomas, Loretta
Subject: RE: AGENDA FOR HCC HIRING ADVISORY MEETING - FRIDAY, MARCH 18
Date: Thursday, March 17, 2011 8:01:35 PM

We are going to cancel the meeting. Thank you, Dawn

From: Dorman, Dan
Sent: Thursday, March 17, 2011 7:56 PM
To: Burns, Stephen; Powell, Dawn; Tracy, Glenn; Lew, David; Stewart, Sharon; Grobe, Jack
Subject: RE: AGENDA FOR HCC HIRING ADVISORY MEETING - FRIDAY, MARCH 18

I will also not be able to attend due to the Japan events

From: Burns, Stephen
Sent: Thursday, March 17, 2011 5:25 PM
To: Powell, Dawn; Tracy, Glenn; Lew, David; Stewart, Sharon; Grobe, Jack; Dorman, Dan
Subject: Re: AGENDA FOR HCC HIRING ADVISORY MEETING - FRIDAY, MARCH 18

I will not be able to attend due to other commitments.

From: Powell, Dawn
To: Tracy, Glenn; Lew, David; Stewart, Sharon; Grobe, Jack; Burns, Stephen; Dorman, Dan
Sent: Thu Mar 17 15:55:26 2011
Subject: AGENDA FOR HCC HIRING ADVISORY MEETING - FRIDAY, MARCH 18

Good afternoon,

Below is the agenda for the meeting tomorrow, Friday, March 18, 3:00 pm in O3B6. A scheduler was sent out last week. The bridge line is 888-455-1793, PC (b)(6).

(b)(5)

Thank you, Dawn

Dawn D. Powell
Deputy Associate Director
for HR Operations and Policy
Office of Human Resources
Office phone: 301-492-2341
Blackberry: (b)(6)

From:
To:
Subject:
Date: Thursday, March 17, 2011 8:16:31 PM
Attachments: ATT00001..txt

(b)(6)

(b)(6)

(b)(6)

(b)(6)

Dean, Bill

From: Dean, Bill
Sent: Thursday, March 17, 2011 8:18 PM
Cc: Lew, David; Wilson, Peter; Roberts, Darrell; Tifft, Doug; Barkley, Richard
Subject: Re: Request from Governor Cuomo's Office Re: Mtg w/Chairman

(b)(5)

Bill Dean
Regional Administrator
Region I, USNRC
Sent from NRC BlackBerry

From: McNamara, Nancy
To: LIA04 Hoc; OST05 Hoc; LIA06 Hoc
Cc: Lew, David; Dean, Bill; Wilson, Peter; Roberts, Darrell; Tifft, Doug; Barkley, Richard; Piccone, Josephine
Sent: Thu Mar 17 18:57:42 2011
Subject: RE: Request from Governor Cuomo's Office Re: Mtg w/Chairman

NY's Governor's office apparently took 2 avenues for processing their request. Region I and through their Washington office to HQs.

So I guess the answer is yes, it is one of two official requests.

FYI. Under normal circumstances, we would have processed this through the EDO's office. Wasn't sure what rules I was playing under here.

From: LIA04 Hoc
Sent: Thursday, March 17, 2011 6:52 PM
To: McNamara, Nancy; OST05 Hoc; LIA06 Hoc
Cc: Lew, David; Dean, Bill; Wilson, Peter; Roberts, Darrell; Tifft, Doug; Barkley, Richard; Piccone, Josephine
Subject: RE: Request from Governor Cuomo's Office Re: Mtg w/Chairman

Nancy: is your e-mail the official request, or has NY and/or RI pursued contact with the Chairman's office?

Richard Turtil
State Liaison – Liaison Team
Incident Response Center

From: McNamara, Nancy
Sent: Thursday, March 17, 2011 5:57 PM
To: LIA04 Hoc; OST05 Hoc
Cc: Lew, David; Dean, Bill; Wilson, Peter; Roberts, Darrell; Tifft, Doug; Barkley, Richard
Subject: Request from Governor Cuomo's Office Re: Mtg w/Chairman
Importance: High

Liaison Team: Received a call from Tom Condon, NY State Deputy Secretary of Energy & Environment in the Governor's Office. The NY Lieutenant Governor, Robert Duffey is requesting a meeting with the Chairman to discuss the GI-199 report and how it relates to Indian Point. The other attendees from the Governor's office

would be Mr. Howard Glaser, Director of State Operations and Mr. Condon. They also made the request via their Washington D.C. office.

Mr. Condon would like me to find out if the request has been received and what dates are being offered. They are flexible.

I informed Mr. Condon of our outreach today to several of his State agency representatives and the 4-County Executives and offered was there anything the Region I staff could assist the Governor's office in while their request was being processed. He stated that the Governor's office is very pleased with the communications from the Region to his State SLO and other agency reps; however, the Governor would prefer the meeting at the Chairman's level.

-Nancy

From: (b)(6)
To:
Cc: Grobe, Jack
Subject: Re: (b)(6)
Date: Thursday, March 17, 2011 8:21:14 PM

(b)(6)

From: CSC@nrc.gov
To: Haney, Catherine
Subject: CSC Customer Survey (Reference Ticket # 506987)
Date: Thursday, March 17, 2011 9:00:22 PM

Office of Information Services - Customer Satisfaction Survey

Dear CATHERINE HANEY:

Thank you for contacting the Customer Support Center (CSC). Our records indicate that your ticket regarding 'LT AIR CARD CONNECTION TROUBLE' has been resolved.

In an effort to continually improve customer service, we're asking you to please assist us by filling out the Customer Satisfaction Survey. Click on the link below to confirm whether or not your issue has been resolved to your satisfaction and answer a brief survey on our performance in handling/processing your request.

Please carefully review each question before answering. We appreciate your feedback.

http://servicedesk/survey/survey.asp?ticket=506987

Thank you,

NRC Customer Support Center (CSC)
Two White Flint, 5th floor C-14
Hours: 6:00 AM-9:00 PM (M-F)
Hours: 9:00 AM-9:00 PM (Sat-Sun)
(301) 415-1234

****
Auto-generated by SDEBR: NOTIFY_SEND_CSC_Survey

McKelvey, Harold

From: Collins, Elmo
Sent: Thursday, March 17, 2011 9:26 PM
To: Powell, Amy
Subject: Re: Hotels for Monday and Tuesday nights 3/21 and 3/22

Thanks Amy

Got a rental car that will be waiting for us at SONGS - I'll drive folks where ever they need to go - although A and Co. May have there own wheels

It would be my privilege to take you to the airport - I'm your wheels - I'm staying over the night of 3/22 for a site visit on 3/23

Any suggestions for attire?

Elmo

From: Powell, Amy
To: Owen, Lucy
Cc: Collins, Elmo
Sent: Thu Mar 17 21:02:04 2011
Subject: Re: Hotels for Monday and Tuesday nights 3/21 and 3/22

Thanks Lucy - I plan to make my reservations tomorrow.

Elmo - you and I are the team for Diablo Canyon; Cmr A will join us at SONGS. I should have a more complete itinerary for you tomorrow now that the players are set.

Looking forward to working with you!

Amy

Amy Powell
Associate Director
Office of Congressional Affairs
U. S. Nuclear Regulatory Commission
Phone: 301-415-1673

Sent from my Blackberry

From: Owen, Lucy
To: Powell, Amy
Cc: Collins, Elmo
Sent: Thu Mar 17 19:44:03 2011
Subject: Hotels for Monday and Tuesday nights 3/21 and 3/22

Hi Amy – Hotel reservations have been made for Elmo as follows for the California trip. He asked that I let you know of the locations for you to make your reservations.

As follows:

Monday 3/21
Marriott at San Francisco Airport Waterfront
1800 Old Bayshore Hwy.
Burlingame, CA. 94010
Phone: 650/692-9100
Govt. rate: $108.00 plus tax

Tuesday 3/22
123.00 govt. rate

DoubleTree Suites by Hilton Hotel Dana Point - Doheny Beach

34402 Pacific Coast Highway, Dana Point, California, United States 92629
Tel: 1-949-661-1100 Fax: 1-949-489-0628

Govt. Rate: $123.00 plus tax

Should you need additional information, please let me know.

Thanks.
Lucy

Lucy A. Owen
Administrative Assistant to RIV Regional Administrator
Office of the Regional Administrator, Region IV Office
U.S. Nuclear Regulatory Commission
612 E. Lamar Blvd. Suite 400
Arlington, Texas 76011-4125
Direct: (817)860-8227
Toll Free: 1-800-952-9677
Fax: (817)860-8122
E-mail: Lucy.Owen@nrc.gov

From: Nguyen, Caroline
To: Spencer, Ruth
Cc: Newell, Karenina; Stout, Kathleen; Le, Hong; Grancorvitz, Teresa; Ruland, William
Subject: RE: FY 2013 Operating Reactors Business Line "Base" Budget
Date: Thursday, March 17, 2011 9:45:58 PM

Hi Ruth –

(b)(5)

Please let me know if you have any questions.

Thanks!
Caroline

From: Spencer, Ruth
Sent: Thursday, March 17, 2011 4:54 PM
To: Le, Hong
Cc: Newell, Karenina; Nguyen, Caroline; Stout, Kathleen
Subject: RE: FY 2013 Operating Reactors Business Line "Base" Budget

Hong –

(b)(5)

Ruth

****

Ruth Spencer, NRC/RES, 301 251 7921

From: Le, Hong
Sent: Thursday, March 17, 2011 4:47 PM
To: Bahadur, Sher; Blount, Tom; Brown, Frederick; Cheok, Michael; 'Cunningham, Mark'; Evans, Michele; Ferrell, Kimberly; Galloway, Melanie; Giitter, Joseph; Givvines, Mary; Hiland, Patrick; Holian, Brian; Howe, Allen; Jolicoeur, John; Lee, Samson; Lubinski, John; McGinty, Tim; Nelson, Robert; Dean, Bill; Dapas, Marc; Reyes, Luis; McCree, Victor; Satorius, Mark; West, Steven; Collins, Elmo; Casto, Chuck; Sheron, Brian; Moore, Scott; Doane, Margaret; Abdel-Khalik, Said; Armijo, Joseph; Greene, Kathryn; Stewart, Sharon; Moore, Thomas; Baratta, Anthony; Hawkens, Roy; Miller, Charles; Carpenter, Cynthia; Cohen, Miriam; Wiggins, Jim; Howell, Art; Zimmerman, Roy; Campbell, Andy; Burns, Stephen; McCrary, Cheryl; Krupnick, David; Perry, Jamila; Bellinger, Alesha; Dambly, Jan; Bettis, Ashley; Whetstine, Jack; Marks, Sharon; Green, Jamie; Hoadley, Danielle; Shay, Jason; Janis, James; Mitchell, Reggie; Harvey, Sue; Ma, May; Arrighi, Russell; Shnayder, Yana; Tenaglia, Mickey; 'Hackworth, Sandra'; McDevitt, Joan; Grancorvitz, Teresa; Thompson, Gina; Spencer, Ruth; Stout, Kathleen; Brand, MaryLynn; Zilka, Kathleen; Hunter, James; Bayliff, Shirley; Sotiropoulos, Dina; Nute-Blackshear, Lora; Rule, David; Gardin, Kathy; Mamish, Nader
Cc: Newell, Karenina; Nguyen, Caroline; Titus, Brett; Meighan, Sean; Susco, Jeremy; Roquecruz, Carla; Valentine, Nicholee; Cusumano, Victor; Azeem, Almas; Cartwright, William; Heida, Bruce; Scales, Kerby
Subject: FY 2013 Operating Reactors Business Line "Base" Budget

To: Operating Reactors Stakeholder Offices,

NRR, as the lead office, would like to thank everyone for all the effort that was put into formulating the FY 2013 Operating Reactors "Base" Budget request

(b)(5)

- 1st File: FY2013 Operating Reactors Business Line (by product line)
- 2nd File: FY2013 Operating Reactors Business Line (by office)

Please let me know if you have any questions.

Hong T. Le
Branch Chief
NRR/PMDA/Budget Formulation and Execution Branch (BFEB)
phone: 301-415-2294

Dean, Bill

From: Dean, Bill
Sent: Thursday, March 17, 2011 10:33 PM
To: Baker, Pamela; Walker, Tracy
Subject: Fw: FY 2013 Operating Reactors Business Line "Base" Budget
Attachments: FY2013 Operating Rx Base Budget (office, 16Mar2011).pdf; FY2013 Operating Rx Base Budget (by product line, 16Mar2011).pdf

Assume your team got this but just in case
Bill Dean
Regional Administrator
Region I, USNRC
Sent from NRC BlackBerry

From: Le, Hong
To: Bahadur, Sher; Blount, Tom; Brown, Frederick; Cheok, Michael; 'Cunningham, Mark'; Evans, Michele; Ferrell, Kimberly; Galloway, Melanie; Giitter, Joseph; Givvines, Mary; Hiland, Patrick; Holian, Brian; Howe, Allen; Jolicoeur, John; Lee, Samson; Lubinski, John; McGinty, Tim; Nelson, Robert; Dean, Bill; Dapas, Marc; Reyes, Luis; McCree, Victor; Satorius, Mark; West, Steven; Collins, Elmo; Casto, Chuck; Sheron, Brian; Moore, Scott; Doane, Margaret; Abdel-Khalik, Said; Armijo, Joseph; Greene, Kathryn; Stewart, Sharon; Moore, Thomas; Baratta, Anthony; Hawkens, Roy; Miller, Charles; Carpenter, Cynthia; Cohen, Miriam; Wiggins, Jim; Howell, Art; Zimmerman, Roy; Campbell, Andy; Burns, Stephen; McCrary, Cheryl; Krupnick, David; Perry, Jamila; Bellinger, Alesha; Dambly, Jan; Bettis, Ashley; Whetstine, Jack; Marks, Sharon; Green, Jamie; Hoadley, Danielle; Shay, Jason; Janis, James; Mitchell, Reggie; Harvey, Sue; Ma, May; Arrighi, Russell; Shnayder, Yana; Tenaglia, Mickey; 'Hackworth, Sandra'; McDevitt, Joan; Grancorvitz, Teresa; Thompson, Gina; Spencer, Ruth; Stout, Kathleen; Brand, MaryLynn; Zilka, Kathleen; Hunter, James; Bayliff, Shirley; Sotiropoulos, Dina; Nute-Blackshear, Lora; Rule, David; Gardin, Kathy; Mamish, Nader
Cc: Newell, Karenina; Nguyen, Caroline; Titus, Brett; Meighan, Sean; Susco, Jeremy; Roquecruz, Carla; Valentine, Nicholee; Cusumano, Victor; Azeem, Almas; Cartwright, William; Heida, Bruce; Scales, Kerby
Sent: Thu Mar 17 16:47:05 2011
Subject: FY 2013 Operating Reactors Business Line "Base" Budget

To: Operating Reactors Stakeholder Offices,

NRR, as the lead office, would like to thank everyone for all the effort that was put into formulating the FY 2013 Operating Reactors "Base" Budget request.

(b)(5)

Attachments:

- 1st File: FY2013 Operating Reactors Business Line (by product line)
- 2nd File: FY2013 Operating Reactors Business Line (by office)

Please let me know if you have any questions.

Hong T. Le
Branch Chief
NRR/PMDA/Budget Formulation and Execution Branch (BFEB)
phone: 301-415-2294

From: (b)(6)
To:
Subject: (b)(6)
Date: Thursday, March 17, 2011 10:57:07 PM
Attachments: (b)(6) doc
FlyerMar19.doc
FlyerMar26.doc

(b)(6)

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From: Ordaz, Vonna
To: Haney, Catherine; Dorman, Dan; Pulliam, Timothy
Subject: FYI - RIOB February Progress Report
Date: Thursday, March 17, 2011 1:13:52 PM
Attachments: RIOB Timelines Action Correspondence.xls

From: Ordaz, Vonna
Sent: Thursday, March 17, 2011 1:12 PM
To: NMSS_DSFST Distribution
Subject: RIOB February Progress Report

Good Afternoon SFST,

The attachment includes the Rules, Inspections, and Operations Bra (RIOB) Monthly Status and Progress Report for February 2011. The most current version of the report is also available in the shared document section of the RIOB SharePoint Site. Some of our key accomplishments for February were:

Inspections – We issued the following inspection reports:

Holtec International Headquarters (ML110450157) – We issued notices of two violations associated with: 1) inadequate basis for 72.48 evaluations; and 2) improperly controlled calculations supporting thermal values for vacuum drying (Holtec has sought additional clarification on this violation). We are assessing what generic actions we need to take in response to these issues and John Goshen, Joe Borowsky and Frank Gee are the team developing the short-term generic actions, including issuing information notices and evaluating enforcement options for general licensees. We also intend to use the Working Group Committee being led by John vera to assess longer-term generic actions. **You may be asked to support this activity, as we are trying to ensure broad alignment within the division and with our stakeholders when potential generic issues arise so I thank you in advance for your support!**

AREVA Fuel Services (AFS) (ML110540571) - This was the first inspection of AFS under their own NRC approved Quality Assurance Plan (QAP). They had previously utilized the Transnuclear QAP until the companies split. The inspection resulted in one severity level IV violation under 10 CFR 71.111, "Instructions, Procedures, and Drawings," with three examples for this violation. (Usually, if several findings can be cited under a section of the 10 CFR, these findings can be grouped as examples for a violation to comply with that section of the regulations.)

General Electric Vallecitos (ML110460460) - This was a routine five-year planned inspection of the implementation of their full-scope 10 CFR Part 71 NRC-approved QA program for the packaging that they currently maintain. The following areas had findings identified in an NOV: 10 CFR 71.119, "Control of special processes," and 10 CFR 71.133, "Corrective action," both were Severity Level IV Violations.

Knowledge Management (KM):

Dave Pstrak is now our KM champion within the division and we

look forward to hearing from Dave on our future progress in this area!

This past month we undertook the following activities:

The SFST management team met with the KM Team to discuss KM initiatives and the contents of the New Employee Handbook which is now available on the Spent Fuel SharePoint Site! Our Branch Chiefs are currently commenting on the handbook, and it will be revised in April.

We revised the transportation section of the Reactor Concepts training in response to a request from the Course Manager.

We initiated development of a seminar to be conducted in April focused on questions related to the SFST qualification journal. Representatives from each SFST branch will be preparing questions that will be later used in the seminar titled, "Qualification Journal Jeopardy."

Quality Assurance Reviews – We approved the renewal of Babcock and Wilcox QAP within 30 days.

Many thanks to your efforts on these important activities!

Vonna

acility	PM/Inspector (Reviewer)	Due Date (Target Date)	Actual Completion Date	Upcoming Milestone or Requested Action	Comments
ENFORCEMENT ACTIONS (OTHER THAN SECURITY ORDER RELATED ACTIONS)					
TENTATIVE INSPECTIONS					
lqrtrs	JPearson	4/2/11	2/24/11	Part 72 QA Inspection	Inspection status: Closed - The inspection report and Notice of Violation were issu electronically to Holtec on 2/24/11.
	ELove	4/18-22/2011		Part 71 QAP Inspection	Perform final inspection. The company has moved and a new inspection date has April 18th - 22nd.
	Temps/Pearson Woodfield	01/31/2011-2/4/11	2/4/11	Part 71 QAP Inspection	First full inspection since AFS split from TN and using their own NRC QAP.
	Temps	3/11/11		Part 71 Reactive Special Inspection	Region 1 has lead. Provide support only.
	Temps/Pearson/Morell	4/8/11		Part 71 QA Inspection	
	Pearson/Temps/Love	4/29/11		Part 72 QA Inspection	Follow-up on Corrective Action
	Love/Pearson/Sampson	5/20/11		Part 71 QA Inspection	First Ever Inspection (UX-30 & Overpack CoC)
INSPECTION REPORTS					
	ELove	6/3/11		Part 71 QAP Inspection	Perform final inspection. Usually, the inspection report is issued 45 days after the exit meeting. The inspection is scheduled to start on April 18 th.
ters	JPearson	4/2/11	2/24/11	Part 72 QA Inspection	Inspection status: Closed, Report & NOV issued on 2/24/11.
	Pearson/Temps/Love	2/18/11	2/15/11	Part 71 Inspection - Triennial Inspection	ML110460460
	Temps/Pearson		2/2/11	Part 71 Inspection	ML110330147
	Temps			Part 71 Reactive Special Inspection	Region 1 has lead. Provide support only. Usually, the inspection report is issued 4 inspection's exit meeting.
	Temps/Pearson/ Woodfield	2/18/11	2/18/11	Part 71 QAP Inspection	First full inspection since AFS split from TN and using their own NRC QAP. ADAM Number: ML110540571
	Temps/Pearson/Morell	4/8/11		Part 71 QA Inspection	
	Pearson/Temps/Love	4/29/11		Part 72 QA Inspection	Follow-up on Corrective Action
	Love/Pearson/Sampson	5/20/11		Part 71 QA Inspection	First Ever Inspection (UX-30 & Overpack CoC)

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	(Reviewer)	(Target Date)	Completion Date	Requested Action	
			RULEMAKING		
IAEA	JGlenny/JCook	5/6/11		Office Concurrence Proposed Rule	
		8/2/11		EDO Approval	
		8/9/11		Package to Commission	
		12/5/11		Publish Proposed Rule in FR	
king	RWharton	9/9/11		Complete ISFSI Security Technical Basis	
		10/3/13		Publish Final Rule	Changes to 10 CFR 72 and 73
			TICKETS		
	JGlenny	5/31/11		IN 2004-13, Supplement Published on NRC public website	
				OGC Concurrence	
				LID Deputy Director Concurrence	
				SFST Director Concurrence	
ather) he Regions) T-19.	NGarcia	2/4/11	2/4/11	BCs should provide feedback requested in the e-mail below and preliminary comments on areas of improvement of SFST Office Instruction 19, Revision 0.	
	RWharton	3/7/11		REVIEW OF INSPECTION PROCEDURE 81001, PHYSICAL SECURITY REQUIREMENTS FOR INDEPENDENT SPENT FUEL STORAGE INSTALLATION (NMSS-2011-0015)	
			ISFSI POST 9-11-01 ACTIONS/ORDERS		
	RWharton				
				Issue ISFSI Security Order Response to the Licensee	
	RWharton	3/16/11		ASM Requirement Relaxation Request	Request received 10/20/10, met with NSIR & OGC. Draft response sent to OGC f Comments reviewed by OGC.

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	(Reviewer)	(Target Date)	Completion Date	Requested Action	
				ISFSI POST 9-11-01 ACTIONS/ORDERS	
	RWharton	3/30/11		Security Order	
	RWharton	4/30/11		Security Order	
	RWharton	6/30/11		Information Letter	
	RWharton	6/30/11		Information Letter	Licensee Changed load data to March 2013
SSURANCE REVIEWS: NEW APPROVAL (NA), AMENDMENT (A), RENEWAL (R), REQUEST FOR ADDITIONAL INFORMATION (RAI), and TERMINATION (T)					
	FGee	3/8/11	2/10/11	Renewal	ML110420576
				CONTRACTS	
(Assess.)	JCook	6/30/11		Sandia resolves staff and peer review comments	
		7/15/11		Sandia delivers Draft SFTRA NUREG Rev. 2	
		9/30/11		Internal NRC approvals	
		12/31/11		Publish Draft NUREG for public comment	
		3/30/12		Sandia resolves public comments	
		4/30/12		ACRS Subcommittee	
		6/30/12		Sandia delivers Final Draft SFTRA NUREG	
		9/30/12		Publish Final NUREG	
tract)	JCook	6/30/11		SFTRA external Peer Review	
				Ongoing Support for ANSI N14	
		3/30/11		Support transport safety: IAEA/NRC/DOT regulatory provisions comparison database	
		9/30/11		Support transport safety: Domestic version of IAEA transport schedules	

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	(Reviewer)	(Target Date)	Completion Date	Requested Action	
				KNOWLEDGE MANAGEMENT	
	FGee	4/1/11	unknown	Post ISG-23 on external website	Requested by Matthew Gordon
	CMorell	TBD		Create inspection checklists on NDE and Welding Topics/Information.	NDE - Non-destructive examination and Welding Inspection tips. Alexis Sotomayc to continue developing a topic in the NKC related to NDE and Welding.
	LVechioli/NGarcia	3/30/11		Update and add Nancy Osgood's Part 71 Training material to the Qualification CoP	Part 71 Study material development for ISFSI Qualification review preparation.
s In	NGarcia	2/18/11	2/4/11	Verify Contents of DVDs/Files received from AVPhoto	Team members: Neil Day and Luis Cruz. Completed draft table on 10/12/10. Tar finalize the project is April 2011. ADM. Assistant added some files to ADAMS on 2 were received on 1/11.
		3/18/11		Verify that the files run properly in ADAMS	ADM. Assistant added some files to ADAMS on 2/4/2011. Files were received on
	NGarcia/LVechioli CMorell	TBD		Discussions on details of the project.	Meeting Sheduled in January 2011. Meeting was delayed to late January or early
				INTERNATIONAL ACTIVITIES	
	JCook	Spring 2011		Four Committees Review	Approve Final Revise TS-R-1
		Fall 2011		Approval by IAEA Commission on Safety Stds.	
		Early 2012		Approval by Board of Governors	
		Mid to late 2/12		Publish Revised TS-R-1	
				EVELOPMENT AND REVISION OF GUIDANCE (e.g., INSPECTION MANUAL CHAPTER, PROCEDURES, MANAGEMENT DIRECTIVES, OFFICE INSTRUCTIONS, ETC.)	
	TBD			Support FCSS on Revision IMC-0620	
	NGarcia			Support FCSS on Revision IMC-1246	
	FGee\DDamiano			Revise SFST-12	Revising Section 2.5 Bullets and other changes
ining	LVechioli/JCook	2/21/11	2/21/11	Revise Transportation Section of *Reactors Concepts* Training	
nce for NJ	LVechioli/JCook	TBD		Provide support to FSME for NJ request on NRC regulations clarification	
ication	NGarcia	2/24/11	2/24/11	Pre-Meeting with Staff to gather input on SFST Seminar Scheduled for April 14.	
ge	NGarcia	3/2/11	3/2/11	Meeting with SFST Management	Discuss contents of the handbook w/ SFST management .

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	(Reviewer)	(Target Date)	Completion Date	Requested Action	
			MEETINGS		
r	NGarcia/LVechioli	2/15/11	2/15/11	Discussion of Actions items from previous Meeting and KM Initiatives in SFST.	
	NGarcia/JWoodfield	2/24/11	2/24/11	Kick Off Meeting	Working Group: MSamspn, JWoodfield, SDePaula, HLindsay, and ZLi.
		3/10/11		Start Project Charter	
s In	NGarcia	3/15/11		Revise Schedule and Discuss Action Items	Team members: Neil Day and Luis Cruz
	NGarcia/LVechioli	3/17/11		Dicussion of Status of projects, KM Initiatives, etc.	KM Team Meeting
			SFST SUPPORT AND OTHER		
Database	FGee	N/A	3/8/11	Palo Verde: Loaded 1 Cask	Total Counts: 988, Loaded 2/11/2011
Database	FGee	N/A	3/2/11	Brunswick: Loaded 2 Casks	Total Counts: 987, Loaded 1/27 and 2/3/2011
Database	FGee	N/A	2/24/11	Palo Verde: Loaded 1 Cask	Total Counts: 985, Loaded 2/4/2011
Database	FGee	N/A	2/17/11	Sequoyah: Loaded 3 Casks	Total Counts: 984, Loaded 1/17, 28, and 2/4/2011
Database	FGee	N/A	2/16/11	Brunswick: Loaded 1 Cask	Total Counts: 981, Loaded 1/21/2011
Database	FGee	N/A	2/10/11	Palo Verde: Loaded 1 Cask	Total Counts: 980, Loaded 1/28/2011
	FGee				
	LVechioli			Populate and maintain RIOB site	Work in Progress
n Activities	LVechioli			Coordination of SFST outreach activities for Extended Storage and Transportation with overall Integrated Spent Fuel Registration Program activities	Sharepoint site for Extended Storage, populating the site with information of intern activities as requested and availability.

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	(Reviewer)	(Target Date)	Completion Date	Requested Action	
			NRO ACTIVITIES		
	JGlenny/JCook				
	NGarcia/JCook				
	NGarcia/JCook	TBD		Review Table of Needs	NRO's Deadline - Review presite audit PEIS 10/31/10.
		3/31/11		Review Preliminary DEIS	NRO provided a range of dates - 3/7-31/11
		4/22/11		Writing Session	NRO estimated dates - 4/18-22/11
		6/8/11		Verify Camera Ready DEIS	NRO provided a range of dates - 5/23/11 to 6/8/11
		7/22/11		Publication of DEIS for Public Comment	NRO's target date
	LVechioli/NGarcia				
	NGarcia/JCook				
	NGarcia/LVechioli				
	NGarcia/LVechioli	2/11/11	2/11/11	Review Camera Ready FEIS, Section 6.2	TAC No. RN0300 (NRO TAC). Input provided to NRO via E-mail. PM: Mallecia S
	JGlenny/KWitt			Review DEIS	
	KWitt/NGarcia				Suspended
	NGarcia/LV/JG	3/11/11		Review Information Needs	Lucieann Vechioli will be responsible for victoria in the next 6 weeks.
	JGlenny/KWitt				
	KWitt/JGlenny				
	LVechioli/KWitt				Delayed
	JGlenny/JCook				
	LVechioli/NGarcia				Suspended
	JCook/JGenny/KWitt	2/11/11	1/31/11	Staff Comments on Response to DEIS Comments	
	LVechioli/NGarcia				

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From: Haney, Catherine
To: Negrin, Darlene
Subject: RE: Personnel
Date: Thursday, March 17, 2011 4:07:00 PM

(b)(5)

From: Negrin, Darlene
Sent: Thursday, March 17, 2011 3:19 PM
To: Haney, Catherine
Subject: RE: Personnel

(b)(5)

Darlene T. Negrin
NMSS/PBPA
301-492-3558

"THE MIND IS LIKE A PARACHUTE, IT WORKS BEST WHEN IT'S OPEN."

From: Haney, Catherine
Sent: Thursday, March 17, 2011 2:30 PM
To: Negrin, Darlene
Cc: Dorman, Dan
Subject: RE: Personnel

(b)(5)

From: Negrin, Darlene
Sent: Thursday, March 17, 2011 2:26 PM
To: Haney, Catherine
Cc: Dorman, Dan
Subject: Personnel

(b)(5)

Darlene T. Negrin
NMSS/PBPA
301-492-3558

"THE MIND IS LIKE A PARACHUTE, IT WORKS BEST WHEN IT'S OPEN."