

From: [Hardy, Sally](#)
To: [Hayden, Elizabeth](#)
Cc: [Courret, Ivonne](#); [Harrington, Holly](#); [Janbergs, Holly](#)
Subject: RE: Photo
Date: Saturday, March 12, 2011 5:52:42 PM

Just posted, give about 5 minutes should be live.

Sally

From: Hayden, Elizabeth
Sent: Saturday, March 12, 2011 5:16 PM
To: Hardy, Sally
Cc: Courret, Ivonne; Harrington, Holly; Janbergs, Holly
Subject: FW: Photo
Importance: High

Please post immediately with the following caption:

Here at the NRC's headquarters Operations Center, operating on a 24-hour basis, staff are examining available information to analyze the earthquake and tsunami event and understand their implications both for Japan and the United States. [more](#)

Link [more](http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-045.pdf) to <http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-045.pdf>

I-1

From: [Hayden, Elizabeth](#)
To: [Sheehan, Neil](#); [Burnell, Scott](#); [McIntyre, David](#); [Couret, Ivonne](#); [Screnci, Diane](#); [Hannah, Roger](#); [Ledford, Joey](#); [Mitlyng, Viktoria](#); [Chandrathil, Prema](#); [Dricks, Victor](#); [Uselding, Lara](#); [Janbergs, Holly](#)
Subject: NEI has just posted the following fact sheet
Date: Saturday, March 12, 2011 7:23:14 PM

FYI--Summary info on Japan from NEI

Events at the Fukushima Daiichi Nuclear Power Plant in Japan

March 12, 2011 (posted at 4:40 p.m. EST, Saturday, March 12)

Key Facts

The Incident

Unit 1 of the Fukushima Daiichi nuclear power plant was damaged in a magnitude 8.9 earthquake and subsequent tsunami on March 11. The plant is centered along the shore of the Sendai region, which contains the capital Tokyo.

The plant is a General Electric boiling water reactor 3 Mark 1 design, operated by Tokyo Electric Power Company (TEPCO).

Eleven of Japan's 55 nuclear reactors automatically shut down, as they are designed to do, when the earthquake hit.

After the earthquake and tsunami, there were difficulties powering the cooling system for unit 1 of the Fukushima Daiichi plant. After a buildup of hydrogen gas in the secondary containment structure at the plant, there was an explosion at that reactor on March 12.

The explosion caused a breach in the secondary containment. However, the primary containment that houses and protects the reactor vessel and fuel remains intact and is safe. This structure is made of steel and is extremely robust. The primary and secondary containment are designed to prevent radiation from being released into the environment in the case of an accident. However, TEPCO intentionally vented steam from the secondary containment building in an effort to reduce pressure in that building. For a diagram of the reactor type used at Fukushima Daiichi, click [here](#).

I-2

It appears that as the level of coolant in the reactor vessel lowered, a portion of the top of the uranium fuel rods was exposed. This may have caused zirconium cladding of the fuel rods to react with water to create hydrogen. This hydrogen was vented, then somehow ignited, causing the explosion.

As the explosion did not occur inside the reactor core—and the primary containment was not breached—there has not been a significant public health impact from the release of radiation from the containment structure.

Reactors 2 and 3 at Fukushima Daiichi were shut down in response to the earthquake. Units 4, 5 and 6 had been shut down prior to the earthquake for inspections and scheduled outages.

The Response

TEPCO has been pumping seawater, laced with boron, into the reactor core of Unit 1 of the Fukushima-Daiichi plant to cool the fuel.

Backup diesel generators and batteries have arrived at the Fukushima Daiichi plant. They will be used as an emergency source of electric power to pump water into the reactor core or containment of units 2 and 3 to continue cooling the reactor cores.

The Japanese government has expanded the evacuation zone around the facility to 20 kilometers, or about 12 miles.

TEPCO also is preparing to vent the containment structures at Fukushima Daiichi Units 2 and 3 to reduce the pressure inside primary containment in these reactors and maintain the structural integrity of the containment. Venting reduces pressure in the containment, but can be done in a safe manner.

Similar Reactors in the United States

The General Electric BWR 3 Mark 1 reactor design is used in six of 104 reactors in the United States. Every nuclear power plant is designed, built and managed to prevent radioactive releases, even in the event of natural disasters, operational accidents or security threats.

A variety of measures work together to protect public safety: the design and safety features built into nuclear power plants; the multiple layers of physical barriers that protect the reactor; and highly trained, federally certified professionals who operate the plant safely and know how to respond in the event of emergencies.

More information

To learn about boiling water reactors in general, click [here](#).

For more on nuclear reactors and seismic events, click [here](#).

To stay up to date:

See these resources:

- [NEI](#)
- [TEPCO](#)
- [World Nuclear News](#)
- [International Atomic Energy Agency](#)



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Sent through mail.messaging.microsoft.com

From: [McIntyre, David](#)
To: [Courret, Ivonne](#); [Brenner, Eliot](#)
Cc: [Janbergs, Holly](#); [Powell, Amy](#)
Subject: RE: Market Watch NY
Date: Sunday, March 13, 2011 12:47:06 PM

OK good – we definitely don't want to get into this debate today. Apparently Markey issued a Howler suggesting the same thing.

From: Courret, Ivonne
Sent: Sunday, March 13, 2011 12:45 PM
To: Brenner, Eliot; McIntyre, David
Cc: Janbergs, Holly
Subject: Market Watch NY

Comments Reaction on Senator Joe Lieberman's comments on Face the Nation on Halting Nuclear Plant Construction in the United States until we understand what went wrong in Japan.

Steve Gelsi
Market Watch- NY
973-744-6517
sgelsi@marketwatch.com

I provided him some #'s of reactors and website links including the Information Digest and Appendix A. Ivonne

Ivonne L. Couret
Public Affairs Officer
Office of Public Affairs



 (301) 415-8205
 ivonne.couret@nrc.gov

Visit our online photo gallery. Incorporate graphics and photographs to tell your story!
<http://www.nrc.gov/reading-rm/photo-gallery/>

2010-2011 Information Digest - Where you can find NRC Facts at a Glance
<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1350/>

NRC Employees can read interesting insight on the OPA Blog
<http://portal.nrc.gov/OCM/opa/blog/default.aspx>

 Please consider the environmental impact before printing this email.

I-3

From: Operations Center Bulletin
To: OST02 HOC
Subject: FW: NRC IS RESPONDING TO AN EMERGENCY OUTSIDE of the United States
Date: Sunday, March 13, 2011 11:15:47 AM

THIS IS NOT A DRILL

The NRC is coordinating its actions with other Federal agencies as part of the U.S. government response to the events in Japan. The NRC is examining all available information as part of the effort to analyze the event and understand its implications both for Japan and the United States. The NRC's Headquarters Operations Center in Rockville, MD has been stood up since the beginning of the emergency in Japan and is operating on a 24-hour basis.

NRC Incident Responders at Headquarters have spoken with the agency's counterpart in Japan and offered the assistance of U.S. technical experts. Two officials from the NRC with expertise on boiling water nuclear reactors have deployed to Japan as part of a U.S. International Agency for International Development (USAID) team. USAID is the Federal government agency primarily responsible for providing assistance to countries recovering from disasters.

U.S. nuclear power plants are built to withstand environmental hazards, including earthquakes and tsunamis. Even those plants that are located outside of areas with extensive seismic activity are designed for safety in the event of such a natural disaster. The NRC requires that safety significant structures, systems, and components be designed to take in account the most severe natural phenomena historically estimated for the site and surrounding area.

The NRC will **not** provide information on the status of Japan's nuclear power plants. For the latest information on NRC actions see the NRC's web site at www.nrc.gov or blog at <http://public-blog.nrc-gateway.gov>.

Two important reminders:

It is possible that some of us will be requested by colleagues in another country to provide technical advice and assistance during this emergency. It is essential that all such communications be handled through the NRC Operations Center. Any assistance to a foreign government or entity must be coordinated through the NRC Operations Center and the U.S. Department of State (DOS). If you receive such a request, contact the NRC Operations Officer (301-816-5100 or via the NRC Operator) immediately.

If you receive information regarding this or any emergency (foreign or domestic) and you are not certain that the NRC's Incident Response Operations Officer is already aware of that information, you should contact the NRC Operations Officer (301-816-5100 or via the NRC Operator) and provide that information.

Other Sources of Information:

USAID – www.usaid.gov

I-4

U.S. Department of State – www.state.gov

FEMA – www.fema.gov

White House – www.whitehouse.gov

Nuclear Energy Institute – www.nei.org

International Atomic Energy Agency – www.iaea.org/press

No response to this message is required.

THIS IS NOT A DRILL

Shannon, Valerie

From: Shannon, Valerie
Sent: Sunday, March 13, 2011 12:34 PM
To: McIntyre, David; Brenner, Eliot
Subject: Interview

Please call Caroline from Fox on 310-571-2000)re: Interviews.
Val

Shannon, Valerie

From: Shannon, Valerie
Sent: Sunday, March 13, 2011 12:50 PM
To: McIntyre, David; Brenner, Eliot
Subject: Interview

Please call Diedra Hughes from Lou Dobbs – Fox Business on 212-301-5496) re: Interview.
Val

Shannon, Valerie

From: Shannon, Valerie
Sent: Sunday, March 13, 2011 10:30 AM
To: Brenner, Eliot
Subject: Reuters

Eliot,
Please call Scott DiSavino from Reuters in New York on
646-223-6072. He has general questions.
Val

Shannon, Valerie

From: Shannon, Valerie
Sent: Sunday, March 13, 2011 11:26 AM
To: McIntyre, David
Subject: Call

Dave,
Megan from Fox News would like to talk to you again. Please call her 202-824-6369.
Thanks, Val

Shannon, Valerie

From: Shannon, Valerie
Sent: Sunday, March 13, 2011 8:50 AM
To: Brenner, Eliot
Subject: Radio Interview

Please call Willie Springer (KMOX – St. Louis) on 314-436-7975 regarding a radio interview.
Val

Shannon, Valerie

From: Shannon, Valerie
Sent: Sunday, March 13, 2011 9:11 AM
To: Brenner, Eliot
Subject: Call

Please call Michael Harrington from Salem Radio Network in DC. His phone number is 703-528-6213, He want's information regarding Japan risks.

Val

Shannon, Valerie

From: Shannon, Valerie
Sent: Sunday, March 13, 2011 8:24 AM
To: Brenner, Eliot
Subject: Fox News

Eliot,
Please call Megan from Fox News on 202-824-6369. She want's to send a camera crew to the Ops Center today to take pictures. She also want's to send a reporter tomorrow.
Thanks,
Val

I-11

Shannon, Valerie

From: Shannon, Valerie
Sent: Sunday, March 13, 2011 12:10 PM
To: McIntyre, David
Subject: Call

Dave,
Please call John Sullivan from "Propublica" re: Seismic Safety in the last few years. His number is 609-497-4585.
Val

From: Hayden, Elizabeth
To: Brenner, Eliot; Harrington, Holly; McIntyre, David; Couret, Ivonne; Burnell, Scott; Janbergs, Holly
Subject: 3/13 11:30 pm TA Call
Date: Monday, March 14, 2011 12:06:47 AM

Hydrogen explosion at Unit #3 at approximately 11 pm; primary containment intact. Confirmed by Tony and John (our 2 guys in Japan). We know there is fuel damage.

#2 unit is stable.

Still no offsite power. Batteries being used (and recharged) and DGs brought in to pump water.

Both #1 and #3 had uncovered fuel for several hours.

Following explosion, telling those who hadn't evacuated to shelter

Neil is here through the night.

I-13

Shannon, Valerie

From: OPA Resource
Sent: Sunday, March 13, 2011 11:29 AM
To: McIntyre, David
Subject: FW: Media Request

-----Original Message-----

From: Emma Dallimore [<mailto:edallimore@networkten.com.au>]
Sent: Sunday, March 13, 2011 12:02 AM
To: OPA Resource
Subject: Media Request

Below is the result of your feedback form. It was submitted by

Emma Dallimore (edallimore@networkten.com.au) on Sunday, March 13, 2011 at 00:01:39

comments: I am a foreign correspondent for Network Ten Australia, based in Los Angeles.

We are seeking an informed nuclear expert to speak to on our evening current affairs program, regarding the current situation unfolding in Japan.

I am hopeful that perhaps, in a time where there is much concern and perhaps confusion about the consequences of a nuclear leak.. that a member of your organisation may help lend an expert voice to the conversation, and assist in explaining what this complex situation might mean.

I thank you for your time in considering this request.

Regards,
Emma.

organization: Network Ten Australia

address1: 3440 Motor Avenue

address2:

city: Los Angeles

state: CA

zip: 90034

country: United States

phone: 2132801447

I-14

Shannon, Valerie

From: Shannon, Valerie
Sent: Sunday, March 13, 2011 6:16 PM
To: Brenner, Eliot
Subject: Interview

Please call Linley Smith from C-Span regarding a 5 minute phone interview tomorrow morning. The number is 202-870-8866.

Val

I-15

From: [Harrington, Holly](#)
To: [Shannon, Valerie](#); [Janbergs, Holly](#); [Steger \(Tucci\), Christine](#); [Akstulewicz, Brenda](#); [Courret, Ivonne](#)
Subject: Calls From States, Fire Departments, etc.
Date: Monday, March 14, 2011 10:22:43 PM

If you get calls from state officials, fire officials, police departments, etc., take the message and forward to:

Liao4.hoc@nrc.gov

They will handle them.

This is not an e-mail for members of the public with questions, though. Continue to try and get them to their own state or local environmental/radiological/health offices.

Holly

I-116

From: Akstulewicz, Brenda
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; Uselding, Lara
Subject: FW: NRC press release
Date: Monday, March 14, 2011 11:30:58 AM
Attachments: 11-047.docx

Please see attached.

From: Brenner, Eliot
Sent: Monday, March 14, 2011 11:23 AM
To: Akstulewicz, Brenda
Subject: NRC press release

Brenda .. please send the attached around to all NRC staff then put the release out. Send it internally with a 15 minute delay before release.

I-17



NRC NEWS

U.S. NUCLEAR REGULATORY COMMISSION

Office of Public Affairs Telephone: 301/415-8200

Washington, D.C. 20555-0001

E-mail: opa.resource@nrc.gov Site: www.nrc.gov

Blog: <http://public-blog.nrc-gateway.gov>

No. 11-047

March 14, 2011

JAPANESE GOVERNMENT ASKS FOR ASSISTANCE WITH REACTOR EVENTS; U.S. GOVERNMENT AND NRC PREPARING RESPONSE

The Japanese government has formally asked for assistance from the United States as it continues to respond to nuclear power plant cooling issues triggered by an earthquake and tsunami on March 11. As part of a larger U.S. government response, the NRC is considering possible replies to the request, which includes providing technical advice.

Included in a U.S. Agency for International Development (USAID) team dispatched earlier to Japan to assist with the disaster are two boiling-water reactor (BWR) experts from the NRC. They are currently in Tokyo offering technical assistance. USAID is the federal government agency primarily responsible for providing help to countries recovering from a disaster.

The NRC has been monitoring the Japanese reactor events via its Headquarters Operations Center in Rockville, Md., on a 24-hour-a-day basis.

The NRC will not comment on hour-to-hour developments at the Japanese reactors. This is an ongoing crisis for the Japanese who have primary responsibility.

###

News releases are available through a free *listserv* subscription at the following Web address: <http://www.nrc.gov/public-involve/listserver.html>. The NRC homepage at www.nrc.gov also offers a SUBSCRIBE link. E-mail notifications are sent to subscribers when news releases are posted to NRC's website.

Shannon, Valerie

From: Shannon, Valerie
Sent: Monday, March 14, 2011 12:20 PM
To: 'Ivonne Couret'
Subject: call

Please call Rusty Dennon from the Freelance Star on
540-374-5431. Re: General Japan information.
His e-mail is Rdennen@freelancestar.com

I-18

From: Akstulewicz, Brenda
To: Burnell, Scott
Subject: call
Date: Monday, March 14, 2011 12:32:41 PM

Joe Rhee
ABC News
212-456-5942
*Info on plant safety in US

Brenda Akstulewicz
Administrative Assistant
Office of Public Affairs
301-415-8209
brenda.akstulewicz@nrc.gov



I-19

From: Couret, Ivonne
To: Burnell, Scott; Screnci, Diane; Sheehan, Neil; Mitlyng, Viktoria; Chandrathil, Prema; Uselding, Lara; Dricks, Victor; Hannah, Roger; Ledford, Joey; Harrington, Holly; McIntyre, David
Cc: Shannon, Valerie; Akstulewicz, Brenda; Brenner, Eliot; Hayden, Elizabeth; Janbergs, Holly
Subject: FYI - House Energy and Commerce Committee - LINKS to information
Date: Monday, March 14, 2011 12:41:56 PM

Here is a link to the Committee's hearing notice:

<http://energycommerce.house.gov/hearings/hearingdetail.aspx?NewsID=8329> . The hearing will be before two House Energy and Commerce Committee Subcommittees: Subcommittee on Energy and Power, and Subcommittee on Environment and the Economy. It was originally planned as an FY12 budget hearing with Sec Chu (panel 1) and Chairman Jaczko (panel 2) but given the events in Japan, the focus will be largely Japan. Here is a link to Mr. Upton's (Committee chair's statement) about Japan: <http://energycommerce.house.gov/news/PRArticle.aspx?NewsID=8337>

I-20

From: Janbergs, Holly
To: Burnell, Scott
Subject: CBS Evening News - Background Req
Date: Monday, March 14, 2011 12:48:00 PM

Elizabeth Sprague from CBS Evening News called. She would like to speak to someone regarding the design difference between the Japanese Daiichi reactor and the Chernobyl reactor. She's mostly just looking for background – a few bullet points. I don't know if you'd want to respond.

spraguee@cbsnews.com
212-975-5001

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-21

From: Janbergs, Holly
To: Burnell, Scott; Couret, Ivonne; McIntyre, David
Subject: Daily Beast - Background Req
Date: Monday, March 14, 2011 12:49:00 PM

Lauren Streib from the Daily Beast/Newsweek called. She'd like someone to walk through the assessment letters with her and discuss other possible ways of assessing safety at nuclear reactors. This would be providing background information only.

Lauren Streib
212-524-8847

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-22

From: [Janbergs, Holly](#)
To: [Hayden, Elizabeth](#)
Subject: RE: Jeanne Meserve from CNN
Date: Monday, March 14, 2011 1:24:00 PM

I know. Only reason I mentioned that is because I thought she might've had plans with Eliot specifically, and I know he's busy!

From: Hayden, Elizabeth
Sent: Monday, March 14, 2011 1:19 PM
To: Janbergs, Holly
Subject: RE: Jeanne Meserve from CNN

Thanks. They all want everything immediately.

Beth Hayden
Senior Advisor
Office of Public Affairs
U.S. Nuclear Regulatory Commission
--- Protecting People and the Environment
301-415-8202
elizabeth.hayden@nrc.gov

From: Janbergs, Holly
Sent: Monday, March 14, 2011 12:58 PM
To: Hayden, Elizabeth
Subject: Jeanne Meserve from CNN

Jeanne Meserve from CNN called for Eliot and wanted to ask a question about the Reuters flash regarding our latest PR. She'd like someone to get back to her quickly.

202-898-7553

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-23

From: [Droggitis, Spiros](#)
To: [Janbergs, Holly](#)
Subject: NRC team
Date: Monday, March 14, 2011 1:37:37 PM

I'm on an EDO call and they say that a team of 9 additional people is going to Japan. You may want to see what additional info you can get on that.

I-24

From: [Drogaitis, Spiros](#)
To: [Janbergs, Holly](#)
Subject: Message
Date: Monday, March 14, 2011 1:40:55 PM

Japan has a strong nuclear regulator. NRC team is to provide technical assistance to the US embassy in Japan and to provide any assistance requested by the Japanese.

I-25

From: [Janbergs, Holly](#)
To: [Droggitis, Spiros](#)
Subject: RE: More information
Date: Monday, March 14, 2011 1:46:00 PM

K, I'll keep my eyes open

From: Droggitis, Spiros
Sent: Monday, March 14, 2011 1:43 PM
To: Janbergs, Holly
Subject: More information

Also just learned that the Chairman will be sending out a message today and that the EDO is putting out an update. May pick up some information in these two.

I-26

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 2:16 PM
To: Couret, Ivonne; McIntyre, David
Subject: Calls

Call from: Sergio Hernandez
Organization: ProPublica
Number: 317-512-0257

Call from: Bob Moffitt
Organization: Fox40 TV Sacramento, California
Number: 916-454-4548

I-27

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 2:22 PM
To: McIntyre, David; Couret, Ivonne
Subject: Greenwire

Call from: Hannah Northey
Organization: Greenwire
Phone: 202-446-0468

I-28

From: [Crystal Phend](#)
To: [Janbergs, Holly](#)
Subject: Re: NRC Backgrounders
Date: Monday, March 14, 2011 1:27:07 PM

Thanks, I looked over these links and still have a few questions. Is there a national minimum requirement for emergency plans for nuclear power plants? And do current plans vary by location (between, say, California and Tennessee or between individual plants in the same area)?

Crystal Phend
Senior Staff Writer
MedPage Today, LLC
150 Clove Rd.
Little Falls, NJ 07424
Voice: 559-960-5027
Fax: 973-890-1327
c.phend@medpagetoday.com
<http://www.medpagetoday.com>

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On Mon, Mar 14, 2011 at 9:16 AM, Janbergs, Holly <Holly.Janbergs@nrc.gov> wrote:

Crystal,

Here are a few backgrounders to get you started. If you have any additional questions or require other information, please let me know, and I'll try and find the appropriate person to answer your questions.

<http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/risks-assoc-medical-events.html>

<http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/fs-emerg-plan-prep-nuc-power.html>

<http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/fs-seismic-issues.html>

<http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/emerg-plan-prep-nuc-fac-fs.html>

I-29

<http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/force-on-force-fs.html>

<http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/security-enhancements.html>

<http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/fs-analys-cancer-risk-study.html>

<http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/bio-effects-radiation.html>

<http://www.nrc.gov/reading-rm/doc-collections/nuregs/brochures/br0322/>

-Beth

Beth Janbergs

Public Affairs Assistant

[301-415-8211](tel:301-415-8211)

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 2:33 PM
To: McIntyre, David
Subject: Hawaii News Now

Call from: Terri Inefuku
Organization: Hawaii News Now
Number: (808-372-6159)
T.Inefuku@hawaiinewsnow.com

I-30

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 2:37 PM
To: McIntyre, David
Subject: Fox 29 - Philly (working on a deadline)

Call from: Claudia Gomez
Organization: Fox 29 Philly
Number: 215-510-1847

I-31

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 2:44 PM
To: McIntyre, David
Subject: MarketWatch

Call from: Russ Britt
Organization: MarketWatch, Los Angeles
Number (323-658-3881)

I-32

From: Janbergs, Holly
To: Brenner, Eliot
Subject: Media Update
Date: Monday, March 14, 2011 2:54:00 PM

Via Kyodo

BREAKING NEWS: Work resumes to inject seawater into troubled reactor unit: TEPCO

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-33

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 3:01 PM
To: Harrington, Holly
Subject: Lisa Nelson, MSNBC

Importance: High

Call from: Lisa Nelson
Organization: MSNBC
Number(212-664-1744)

Changing focus of interview – request Chairman for a few minute interview tomorrow at 2:00pm
Focus: Nuclear Plant Preparedness.

I-34

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 3:15 PM
To: McIntyre, David
Subject: Request for Approval - Response Statement - CA

Importance: High

Call from: Sarah Kissell
Organization: LA County Public Health
Number (213-989-7183)

Question – they are sending out a statement in response to several media/public calls re: NRC press release “small releases out at sea” – they would like to reword the phrase and want to make sure information is still accurate.

Will be sending out statement today.

I-35

From: [Janbergs, Holly](#)
To: [Droggitis, Spiros](#)
Subject: RE: Remarks Rough Draft
Date: Monday, March 14, 2011 3:22:00 PM

We're getting the Chairman's main pts soon, then the remarks. No info on other team, next media advisory going out soon.

From: Droggitis, Spiros
Sent: Monday, March 14, 2011 2:34 PM
To: Janbergs, Holly
Subject: RE: Remarks Rough Draft

Please come down and I will give you a little something to include. Thanks

From: Janbergs, Holly
Sent: Monday, March 14, 2011 2:32 PM
To: Droggitis, Spiros
Subject: Remarks Rough Draft

Still waiting to get a copy of Chairman's interview. I'm seeing if I can get more info about second team as well. Here's a base for the opening remarks – thoughts?

-B.

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-36

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 3:28 PM
To: McIntyre, David
Subject: USA Today, News in Advance (Lynchburg, VA), and Mainichi Newspapers

Call from: Donna Leinwand
Organization: USA Today
Number: (202-906-8153)
*Information on Nuclear Reactors in US - Seismic

Call from: Brian Gentry
Organization: News in Advance, Lynchburg, VA
Number: (434-385-5537)

Call from: Aaron Wertz for Takeshi Yamashina
Organization: Mainichi Newspapers
Number: (212-765-1240)

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 3:30 PM
To: Nguyen, Quynh; Meighan, Sean
Cc: Couret, Ivonne
Subject: Query - Call from Westinghouse Request to share New Reg. CR with Japan

Importance: High

Question:

Quynh – I am working up in OPA for the next few days. Received a call from Jim Andrachek at Westinghouse. He wanted to know if he could share the following New Reg. CR's with counterparts in Japan:

- 4906 P
- 4294
- 4821
- 5167

Can you direct me to someone who may be able to assist??

Jim Andrachek
Westinghouse
412-4963-9362

Thanks,
Christine

I-38

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 3:34 PM
To: Couret, Ivonne
Subject: Request Interview with Chairman - Fox Business Network

Importance: High

Katie Young
Fox Business Network
212-601-2543.

Request call back today, please

I-39

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 3:40 PM
To: McIntyre, David
Subject: Takoma News Tribune

Call from: Mike Archbold
Organization: Takoma News Tribune
Number: (253-597-8692)

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 3:51 PM
To: McIntyre, David
Subject: NRC Quoted in Article - FOX News Broadcast at 5pm

Call from: Virginia Hayes
Organization: Fox News
Number (212-301-5786)

Interested in NRC comments re: article from Dr. Joseph Oman – NRC was quoted. Virginia is sending the article to OPA e-mail.

From: [Janbergs, Holly](#)
To: [WebContractor Resource](#)
Subject: RE: Photo Gallery Information
Date: Monday, March 14, 2011 5:49:00 PM

Thank you!

From: WebContractor Resource
Sent: Monday, March 14, 2011 5:42 PM
To: Janbergs, Holly
Cc: WebWork Resource; Couret, Ivonne
Subject: RE: Photo Gallery Information

Good Afternoon Beth,

All images have been updated and posted live.

Thank you,
Michael

From: Janbergs, Holly
Sent: Monday, March 14, 2011 4:58 PM
To: WebContractor Resource; WebWork Resource
Cc: Couret, Ivonne; Janbergs, Holly
Subject: Photo Gallery Information

Hello,

The following is additional information required to add the photo sent on 3/12 by Beth Hayden to the public photo gallery. WebContractor Resource will provide further information as well.

Information	Description
Admin	BH
Cat	Nuclear Security
Scat	Emergency Preparedness
<i>Location</i>	
<i>Source</i>	
<i>Date</i>	
People	N/A
Event	2011 Japanese Earthquake & Tsunami response
Keyword(s)	Japan, Operations Center, emergency preparedness
Description	The NRC's Operations Center operates on a 24-hr basis in response to the 2011 Japanese earthquake and tsunami response.

I-42

Longdesc

Here at the NRC's headquarters Operations Center, operating on a 24-hour basis, staff are examining available information to analyze the earthquake and tsunami event and understand their implications both for Japan and the United States.

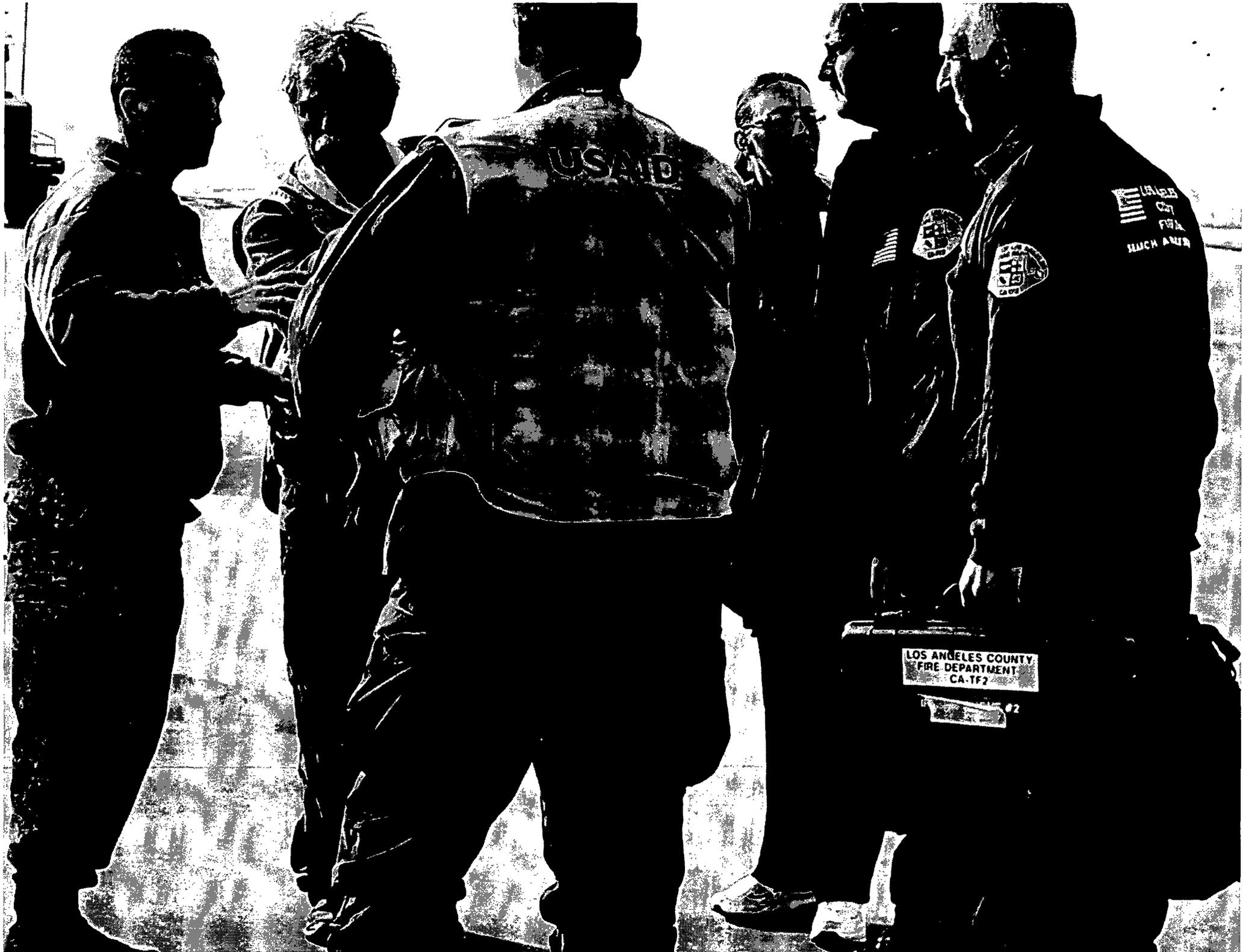
If you have any questions, please contact Ivonne Couret or Bethany Janbergs.

Thank you.

Beth Janbergs
Public Affairs Assistant
301-415-8211









250

CO
PAID

STAIR
WAY
31

STAIR
WAY
31



Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 3:55 PM
To: McIntyre, David
Subject: NBC Affiliate Illinois - reporter deadline in 30 minutes

Call from Sheena Elzie
Organization: NBC Affiliate Illinois
Number (217-425-6397 Ext. 1123

Question/Clarification on inspection results in recent report quoting: "severity level 4" – would like to know what this means.

Deadline: 30 minutes

I-43

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 4:11 PM
To: McIntyre, David
Subject: New York Daily News

Call from: Michael Daily
Organization: New York Daily News
Number (917-968-8827)

Question: 2008 Report from Columbia University states that the area where IP is located has highest risk for seismic event.... Wants to know if NRC has taken this into consideration when looking at LR for IP – do we have any new earthquake information.

I-44

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 4:21 PM
To: McIntyre, David
Subject: Discovery Channel

Call from: Irene Klotz
Organization: Discovery Channel
Number (321-432-0220)

Question: Seawater use in Japan reactors

Someone from OPA called her back earlier but didn't leave a message.

I-45

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 4:23 PM
To: Couret, Ivonne
Subject: KFI Radio, Los Angeles - Phone Interview Request today at 7pm EST

Call from: Ray Lopez
Organization: KFI Radio
Number: 818-653-6730

Request phone interview (doesn't matter who) – one on one interview, will not talk “politics”, just want understanding of what is taking place in Japan, more of overview interview.

Interview request today at 7:00pm EST.

I-410

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 4:27 PM
To: McIntyre, David
Subject: San Jose Mercury News

Call from: Dana Hull
Organization: San Jose Mercury News
Number: 408-920-2706

Questions regarding the safety of the U.S. Nuclear Power Plants.

I-47

From: Droggitis, Spiros
To: Janbergs, Holly
Subject: RE: Remarks Rough Draft
Date: Monday, March 14, 2011 4:31:04 PM

Thanks, Beth. Let me share with Becky and Amy and get back to you with any comments. Appreciate your help, Spiros

From: Janbergs, Holly
Sent: Monday, March 14, 2011 4:08 PM
To: Droggitis, Spiros
Subject: RE: Remarks Rough Draft

Second draft attached – included a little of the Chairman’s talking points and a sentence about the new team being assembled.

From: Droggitis, Spiros
Sent: Monday, March 14, 2011 2:34 PM
To: Janbergs, Holly
Subject: RE: Remarks Rough Draft

Please come down and I will give you a little something to include. Thanks

From: Janbergs, Holly
Sent: Monday, March 14, 2011 2:32 PM
To: Droggitis, Spiros
Subject: Remarks Rough Draft

Still waiting to get a copy of Chairman’s interview. I’m seeing if I can get more info about second team as well. Here’s a base for the opening remarks – thoughts?

-B.

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-48

From: Janbergs, Holly
To: Couret, Ivonne
Subject: GWU Prof Seeks Panel
Date: Monday, March 14, 2011 4:35:00 PM

Philip Bardet, GWU prof and nuclear physicist, is trying to organize a panel on the GW campus to describe the technological aspects of what's going on in Japan. They're not focusing on what the Japanese response is, just trying to fill in the public on the information. It would be open to the public and the media and probably videotaped. He's interested in having someone from the agency come talk, probably a health physicist.

bardet@gwu.edu
202-994-2650

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-49

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 4:40 PM
To: McIntyre, David
Subject: Nature - from London

Call from: Jeff Brumfield, Scientific Reporter
Organization: Nature
Number: (44) 2078434645

Calling from London

Question: Whether the NRC is planning or considering making changes to the regulatory framework as a result of the events in Japan

I-50

From: Janbergs, Holly
To: McIntyre, David
Subject: LA County Dept. of Pub Health
Date: Monday, March 14, 2011 4:44:00 PM

Sarah Kissell from the LA County Department of Public Health says they are trying to organize a piece to push back against all the media attention they have been getting. She apparently needs clarification about some of the language in one of our recent press releases.

213-989-7183
skissell@ph.lacounty.gov

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-51

From: [Brenner, Eliot](#)
To: [Janbergs, Holly](#)
Subject: RE: Twitter
Date: Monday, March 14, 2011 4:40:07 PM

I did set one up, but I cannot remember what the heck it is.

From: Janbergs, Holly
Sent: Monday, March 14, 2011 4:33 PM
To: Brenner, Eliot
Subject: RE: Twitter

Got it.

Do you have an account?

From: Brenner, Eliot
Sent: Monday, March 14, 2011 4:29 PM
To: Janbergs, Holly
Subject: RE: Twitter

I think you can relax on the update part for a while. I cannot tell you how much I appreciate the help.

How would I twitter?

From: Janbergs, Holly
Sent: Monday, March 14, 2011 4:27 PM
To: Brenner, Eliot
Subject: RE: Twitter

I won't stop you =P

Are you still looking for media updates? I'm trying to help with phones and on a project for OCA but I can still keep my eyes peeled

From: Brenner, Eliot
Sent: Monday, March 14, 2011 4:25 PM
To: Janbergs, Holly
Subject: RE: Twitter

Cool. Can I start tweeting too?

From: Janbergs, Holly
Sent: Monday, March 14, 2011 4:01 PM
To: Brenner, Eliot
Subject: Twitter

Seeing a lot of Tweets repeating Jaczko's comments that there's little chance radiation could make it here, and a few repeating him saying plants here operate safely & securely and are designed to withstand earthquakes.

I-52

Beth Janbergs
Public Affairs Assistant
301-415-8211

From: Droggitis, Spiros
To: Janbergs, Holly
Subject: RE: Remarks Rough Draft
Date: Monday, March 14, 2011 4:47:10 PM

Becky thought it was in good enough shape to give to Josh and Angela. We'll see what the reaction is. Thanks again for your help.

From: Janbergs, Holly
Sent: Monday, March 14, 2011 4:36 PM
To: Droggitis, Spiros
Subject: RE: Remarks Rough Draft

No problem. Keep me posted

From: Droggitis, Spiros
Sent: Monday, March 14, 2011 4:31 PM
To: Janbergs, Holly
Subject: RE: Remarks Rough Draft

Thanks, Beth. Let me share with Becky and Amy and get back to you with any comments. Appreciate your help, Spiros

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Sent: Monday, March 14, 2011 4:08 PM
To: Droggitis, Spiros
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Subject: RE: Remarks Rough Draft

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To: Droggitis, Spiros
Subject: Remarks Rough Draft

Still waiting to get a copy of Chairman's interview. I'm seeing if I can get more info about second team as well. Here's a base for the opening remarks – thoughts?

-B.

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-53

STATEMENT
BY GREGORY B. JACZKO, CHAIRMAN
UNITED STATES NUCLEAR REGULATORY COMMISSION
TO THE
HOUSE COMMITTEE ON ENERGY AND COMMERCE
SUBCOMMITTEES ON ENERGY AND POWER, ENVIRONMENT AND THE ECONOMY
MARCH 16, 2011

Mr. Chairmen, Ranking Members Rush and Green, and Members of the Subcommittees, I am honored to appear before you today on behalf of the U.S. Nuclear Regulatory Commission. Given the events that are unfolding overseas, my remarks will focus on the crisis in Japan, not on the Fiscal Year 2012 budget as was originally planned.

I would first like to offer my condolences to all those affected by the earthquake and tsunami in Japan over the last few days. My heart goes out to those who have been dealing with the aftermath of these natural disasters.

Since Friday, the NRC's headquarters Operations Center has been operating on a 24-hour basis to follow events unfolding at nuclear power plants in Japan. Since the earthquake hit northeastern Japan last Friday, some reactors at the Fukushima No. 1 plant have lost their cooling functions, leading to brief rises in radiation levels. Two NRC experts on boiling-water reactors have already been deployed to Japan as part of a U.S. International Agency for International Development team, and they are currently in Tokyo. Since then, the Japanese government has formally asked for assistance from the United States as it continues to respond to cooling issues at the country's nuclear power plants. Another NRC team is being assembled in response to this request.

Within the U.S., the NRC has been coordinating its efforts with other Federal agencies as part of the government response to the situation. This includes monitoring radioactive releases and predicting their path. All the available information indicates that weather conditions have taken the small releases from the Fukushima reactors out to sea away from the population. Given the thousands of miles between Japan and the United States, Hawaii, Alaska, the U.S. Territories and the West Coast are not expected to experience any harmful levels of radioactivity.

Examining all available information is part of the effort to analyze the event and understand its implications both for Japan and the United States. The NRC has been working with several agencies to assess recent seismic research for the central and eastern part of the country. That work continues to indicate that U.S. plants will remain safe.

U.S. nuclear power plants are built to withstand environmental hazards, including earthquakes and tsunamis. Even those plants located outside of areas with extensive seismic activity are designed for safety in the event of such a natural disaster. The NRC requires that safety-significant structures, systems, and components be designed to take into account the

most severe natural phenomena historically reported for the site and surrounding area. The NRC then adds a margin for error to account for the historical data's limited accuracy. This means that U.S. nuclear power plants are designed to be safe based on historical data from the area's maximum credible earthquake.

The NRC is always attentive to any information that can be applied to U.S. reactors. Our focus is always on keeping plants in this country safe and secure. As this immediate crisis in Japan comes to an end, we will look at whatever information we can gain from the event and see if there are changes we need to make to our own system. However, the bottom line is that we believe our plants are safe.

The NRC will continue to monitor the situation and provide updates via press release and public blog. Our counterpart in Japan is working to control events abroad, and we continue to have faith in its ability to do so. In the meantime, the NRC stands ready to offer further technical assistance as needed. We hope that this situation will be resolved soon so that Japan can begin to recover from this terrible tragedy.

I am here today on behalf of the U.S. Nuclear Regulatory Commission. Given the events that are unfolding overseas, my remarks will focus on the crisis in Japan, not on the FY12 budget as was originally planned.

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The NRC will continue to monitor the situation and provide updates via press release and public blog. In the meantime, the agency stands ready to offer further technical assistance as needed. We hope that this situation will be resolved soon so that Japan can begin to recover from this terrible tragedy.

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 4:48 PM
To: Couret, Ivonne
Subject: Interview Request - Berlin, Germany

Call from: Cormack Walsh, News Producer
Berlin, Germany
Number (49) 3046466933

Request Interview: Expert to talk about nuclear safety

They broadcast every 2 hours – would like someone today if possible. They are working through the night.

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 4:55 PM
To: Couret, Ivonne
Cc: Brenner, Eliot
Subject: Fox News Sunday with Chris Wallace

Call from: Andrea D'Vito
Organization: Fox News Sunday with Chris Wallace
Number (202-320-2141)

Request interview with Chairman this Sunday – spoke with Eliot last week.

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 4:58 PM
To: Couret, Ivonne
Subject: CBS News Hour with Miles O'Brien

Call from: Catherine Buell
Organization: CBS News Hour with Miles O'Brien
Number: (562-716-9567
E-mail: cbuell@milesobrien.com

Request Interview with Chairman asap – broadcast with air on Thursday or Friday – interview in next day or so.
Topic: Nuclear Renaissance

From: Janbergs, Holly
To: McIntyre, David
Subject: More media fun
Date: Monday, March 14, 2011 5:05:00 PM

Don't know if you want to take this or send it off to the regions but –

Steve Elliott from the Moline Dispatch Newspaper is doing a story on Illinois reactors and has some general questions about the GE design. He apparently has already spoken with officials at Exelon and also someone at the Nuclear Information and Resource Center. He wants to confirm safety & security of the design.

309-757-4995
selliot@qconline.com

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-57

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 5:07 PM
To: McIntyre, David
Subject: Youth Radio, Oakland California

Call from: Denise Tejada
Organization: Youth Radio, Oakland California
Number: 510-251-1101

Question: Nuclear shipments globally – how to handle shipments in nuclear free zone

Deadline – COB Today NLT 2 hours

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 5:14 PM
To: Couret, Ivonne
Subject: Greenwire

Call from: Paul Voosen, Scientific Reporter
Organization: Greenwire
Number: (202-446-0401)

Request Interview with Historian, Tom Wellock – this week
Focus: TMI

I-59

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 5:20 PM
To: McIntyre, David
Subject: Santa Barbara News - Deadline 6pm today

Call from: Michal Elseth
Organization: Santa Barbara News
Number: (805-564-5282)

Question: press release yesterday re: radiation levels – want to know if there is any update to this information

Deadline – 6:00pm

I-60

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 5:22 PM
To: McIntyre, David
Subject: Al Jazeera English

Call from: Kristen Salomey
Organization: Al Jazeera English
Number(646-251-5032)

Question: IP – fault lines, lawsuits filed

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 5:38 PM
To: Harrington, Holly
Subject: FW: Query - Seismic Study

Question - found an answer to a question a reporter had today – how to respond/handle going forward?

Andy Brownfield
State Journal Register
Number: (217-782-3095
E-mail: Andy.Brownfield@sj-r.com

Question: Broken link to Seismic Study issued in September 2010
Answer: 2008 USGS study in September 2010 (ML102160735)

Christine

From: Cartwright, William
Sent: Monday, March 14, 2011 4:46 PM
To: Steger (Tucci), Christine
Subject: RE: Query - Seismic Study

We issued an information notice on a 2008 USGS study in September 2010 (ML102160735)

Best I can do

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 4:38 PM
To: Cartwright, William
Subject: RE: Query - Seismic Study

Unfortunately, that is all of the information I have....

From: Cartwright, William
Sent: Monday, March 14, 2011 4:31 PM
To: Steger (Tucci), Christine
Subject: RE: Query - Seismic Study

Carla is out of the office for the next month

If you have some more details on the study, I can attempt some ADAMS search magic and attempt to find the study

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 4:24 PM
To: Roquecruz, Carla; Cartwright, William
Subject: Query - Seismic Study

(I am working up in OPA for a few days) Received a call from a reporter from State Journal Register, Andy Brownfield. He was in ProPublica website and directed to a broken NRC web link when trying to access a Seismic Study issued in September 2010.

I-62

Any idea where this is located, what study?

Thanks,
Christine

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 5:53 PM
To: Couret, Ivonne
Subject: Request Interview

Call from Janet Moore
Organization: WGLT, Illinois
Number (309-830-3786)

Request interview with Jason Draper (her brother that works at NRC)
Topic: Effects of iodine
Deadline: ASAP

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 6:17 PM
To: McIntyre, David
Subject: Rakio from NHK Japanese Broadcasting Corp.

Call from: Rakio
Organization: NHK Japanese Broadcasting Corp.
Number (202-821-2588)

She said you gave her your e-mail yesterday, and will be sending you a few questions.
Quick turnaround – deadline 10 minutes.....

From: [Rhee, Joseph](#)
To: [Janbergs, Holly](#)
Subject: RE: NRC Videos
Date: Monday, March 14, 2011 6:22:39 PM

Thanks for checking. Please fed ex the ops center footage to:

Joe Rhee
ABC News
Rm. 332
147 Columbus Ave.
New York, NY 10023
Tel: (212) 456-5942

Fed ex #: 1609-8097-4

From: Janbergs, Holly [mailto:Holly.Janbergs@nrc.gov]
Sent: Monday, March 14, 2011 6:06 PM
To: Rhee, Joseph
Subject: NRC Videos

Mr. Rhee,

Unfortunately, we do not have video available from exercises for security reasons. There are videos available of other NRC activities on our public website at <http://video.nrc.gov/> if you have anything further you would like.

We are able to FedEx the B-roll footage of our Operations Center to you tomorrow if you are still interested. Please let me know if you have any further questions.

Thank you,
Bethany

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-65

From: Janbergs, Holly
To: Burnell, Scott
Subject: PBS News
Date: Monday, March 14, 2011 5:58:00 PM

Catherine Buell is trying to reach you. She's a producer for PBS and said you two had discussed a news interview with the Chairman. Their potential date for production is Thursday, so they'd be looking to have the interview in the next two days. This is for their nuclear renaissance piece.

562-716-9567

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-66

Deavers, Ron

From: Harrington, Holly
Sent: Monday, March 14, 2011 11:57 PM
To: Jasinski, Robert; Landau, Mindy; Tobin, Jennifer; Zuberi, Sardar; Ridge, Christianne; Deavers, Ron
Subject: Internal Call Center

Follow Up Flag: Follow up
Flag Status: Completed

There is a chance we will start up a small Internal Call Center to answer calls from the public concerned about radiation, etc.

It is not certain, but possible. I'll be looking for help staffing the center. You will have a script to use and will be located in TWFN Fourth Floor conference room.

Please let me know if you'll have availability/interest in doing this.

Mindy – can you spread the word through the Communication Council, too. The more volunteers the better . . .

Thank you,

Holly

From: [Janbergs, Holly](#)
To: [Courret, Ivonne](#)
Subject: Skype interview req
Date: Tuesday, March 15, 2011 1:16:00 PM

Michelle Kennedy from WXI 12 News in MA is a meteorologist looking to find someone to talk to about any monitoring of radiation or tracking of radiation. She would want to do a recorded interview, probably via Skype, for tomorrow afternoon around 2-4.

336-407-0189

mkkennedy@hearst.com

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-68

From: Janbergs, Holly
To: Couret, Ivonne
Subject: CBS wants to speak to experts
Date: Tuesday, March 15, 2011 3:18:00 PM

Laura Strickler from CBS is looking to have footage/dialogue with our experts on the ground in Japan. I told her it was not likely but said I'd pass along her info anyway.

202-457-1597
stricklerl@cbsnews.com

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-69

From: [Janbergs, Holly](#)
To: [Couret, Ivonne](#)
Subject: Add to interview queue...
Date: Tuesday, March 15, 2011 2:59:00 PM

Sunny Dang from Clear Channel Radio in Philadelphia would like to do a live phone interview with Eliot on Weds or Thurs for a show to air on Monday. The show would be on the effects of a natural disaster on nuclear power plants. I told her she would be added to the queue and that we were not able to accommodate all media interviews at this time.

Sunny Dang
610-235-6487

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-70

From: [Janbergs, Holly](#)
To: [Couret, Ivonne](#)
Subject: EIS Request
Date: Tuesday, March 15, 2011 2:51:00 PM

Richard Thompson from the Times-Picayune is looking for Environmental Impact Statements for River Bend and Waterford. They're not linked from their pages on the public website; is there somewhere else I can send him?

504-826-3496
Rthompson@timespicayune.com

If you want me to follow-up, no problem

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-71

From: Janbergs, Holly
To: Couret, Ivonne
Subject: Follow Up Call Req
Date: Tuesday, March 15, 2011 2:25:00 PM

Andy Dallos from the Rachel Maddow show was trying to follow-up with you, could you give him a call back?

212-664-1291

Thank you!

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-12

From: Janbergs, Holly
To: Couret, Ivonne
Subject: National Journal Call
Date: Tuesday, March 15, 2011 2:22:00 PM

Yochi Dreazen is calling from the National Journal. He is doing a story about private security forces at nuclear power plants. Apparently he was told yesterday that he'd get a call back and never did – can we make sure he does today?

202-266-7755
ydreazen@nationaljournal.com

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-73

From: Janbergs, Holly
To: Brenner, Eliot
Subject: Media Update 3/15
Date: Tuesday, March 15, 2011 2:21:00 PM

Financial Times

- Japan is handling earthquake/tsunami recovery well, but TEPCO is not handling plants well
- TEPCO's attempts to pass along info leave folks confused
- PR has been clumsy
- Japan's nuclear industry's record not faith-inspiring

Fox

- experts saying radiation reaching US unlikely
- federal gov't monitoring radiation levels
- even picked up by jet stream, particles would dissipate or decay by the time they arrive

- folks are scrambling to buy KI

NYT

- reactor design in Japan has been questioned for a while
- concerns as far back as 72
- comments on GE design
- Lochbaum vs. old NRC correspondence and GE

Saw some Tweets advising folks to check out which plants are near them because "it could happen to you!"

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-74

From: [Couret, Ivonne](#)
To: [Janbergs, Holly](#)
Subject: FW: Skype interview req
Date: Tuesday, March 15, 2011 4:45:15 PM

Can you call...

From: Harrington, Holly
Sent: Tuesday, March 15, 2011 2:41 PM
To: Couret, Ivonne
Subject: RE: Skype interview req

Call back and say no for now

From: Couret, Ivonne
Sent: Tuesday, March 15, 2011 2:33 PM
To: Harrington, Holly
Subject: FW: Skype interview req

I don't know if we can accommodate anything like this...Ivonne

From: Janbergs, Holly
Sent: Tuesday, March 15, 2011 1:17 PM
To: Couret, Ivonne
Subject: Skype interview req

Michelle Kennedy from WXII 12 News in MA is a meteorologist looking to find someone to talk to about any monitoring of radiation or tracking of radiation. She would want to do a recorded interview, probably via Skype, for tomorrow afternoon around 2-4.

336-407-0189
mkkennedy@hearst.com

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-75

From: Janbergs, Holly
To: Couret, Ivonne
Subject: Quick question
Date: Tuesday, March 15, 2011 2:11:00 PM

Jane Miller from WBAL in Baltimore – 30 seconds

410-458-4107

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-74

From: [Janbergs, Holly](#)
To: [Jim Randle](#)
Subject: RE: voa seeks help checking numbers in story on nuclear industry..
Date: Tuesday, March 15, 2011 1:50:00 PM

Jim,

As of 2010, the following figures apply:

- 438 operating reactors in 30 countries (and Taiwan). Five in long-term shutdown, and 54 plants under construction
- In the US, nuclear accounts for about 20% of domestic energy generation

I am not sure that we can procure for you data on the number of plants worldwide that are under some sort of construction; I might try IAEA, as the NRC deals primarily with domestic plants.

For other information we do have on facts and figures, you can peruse our Information Digest here:
<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1350/>

Please let me know if you have any further questions!

Thank you,
Holly

-----Original Message-----

From: Jim Randle [<mailto:jrandle@voanews.com>]
Sent: Tuesday, March 15, 2011 1:01 PM
To: Janbergs, Holly; jrandle@voanews.com
Subject: voa seeks help checking numbers in story on nuclear industry..

Hi Holly,

- Here is the story. The numbers I want to check are:
- total number of nuclear power plants world wide (442?)
 - percentage of electricity we get from nuclear plants (17%?)
 - number of nuke plants now under construction (65?)
 - number of nuke plants now in some part of planning stage (about 350?????)
 - number of nuclear power plants now in China? (13?)
 - number of new plants under construction in China? (27?????)
 - number of nuclear power plants now in India? (no idea?)
 - number of new plants under construction in India? (5?????)

Thanks very much for helping me get this story exactly correct.

Cheers and best regards,

Jim Randle
202 203 4304
703 346 7114

((Title: NUCLEAR INDUSTRY
HEAD:
DATE: 03/15/11 10:17:51.000
NUMBER:
TYPE: CN))

I-77

The crisis at Japan's nuclear power plants is hurting the nuclear industry, as the stocks of companies that build or operate nuclear power plants falls sharply, and the price of uranium fuel declines.

Investor concern follows the temporary closure of some nuclear power plants in Germany, and plans by many nations to closely review safety issues related to earthquakes and cooling systems that are at the heart of the problems in Japan.

Nuclear power provides almost one-fifth of the world's electricity from 442 nuclear power plants. Another 65 nuclear power plants are under construction, and hundreds more are in some stage of planning.

China is planning a major expansion of its nuclear power industry to provide the electricity needed to power its continued economic growth. India also plans expansion.

The United States has 104 nuclear power plants, more than any other nation. But France is more dependent on nuclear energy than most nations, getting about three-quarters of its electricity from nuclear sources.

From: Janbergs, Holly
To: Couret, Ivonne
Subject: Interview Request
Date: Tuesday, March 15, 2011 1:41:00 PM

Lee Russ from Fox would like to set up an interview with the Chairman at some point in the future. Specifics would be dependent on how likely that was. I told him I'd add him to the queue and we'd get back to him.

Call from: Lee Russ
Organization: Fox News
Number: 202-297-6509

-B.

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-78

From: Steger (Tucci), Christine
To: Janbergs, Holly
Subject: B-Roll Request
Date: Tuesday, March 15, 2011 1:01:29 PM

Call from: Lee Russ
Organization: Fox News
Number: 202-297-6509

Request for additional B-Roll

I-79

From: [Janbergs, Holly](#)
To: [Courret, Ivonne](#)
Subject: RE: Interview Request (Bethany)
Date: Tuesday, March 15, 2011 12:59:00 PM

Gave her the hearing info, she is sending me an email now. They are still interested in an interview for primetime and said they could do tomorrow or Friday if that would be better.

From: Courret, Ivonne
Sent: Tuesday, March 15, 2011 12:09 PM
To: Janbergs, Holly
Subject: FW: Interview Request (Bethany)

Give them the hearing information for tomorrow. Thanks, ivonne

From: OPA Resource
Sent: Tuesday, March 15, 2011 10:44 AM
To: Courret, Ivonne
Subject: Interview Request (Bethany)

Julie Zann from CNN's Piers Morgan tonight would like to do an interview on nuclear policy with Jaczko. Somewhere around 5 o'clock preferred. She is interested in knowing what our media setup is here, because apparently Rockville is too far away from DC.

917-710-3968

Julie.zann@turner.com

Office of Public Affairs
US Nuclear Regulatory Commission
301-415-8200
opa.resource@nrc.gov

I-80

From: Janbergs, Holly
To: Couret, Ivonne
Subject: Chairman Interview Request
Date: Tuesday, March 15, 2011 12:31:00 PM

Murray Jacobson from PBS News Hour would like an interview with Chairman Jaczko sometime in the next couple of nights.

703-998-2107

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-81

From: Janbergs, Holly
To: Couret, Ivonne
Subject: Interview Request
Date: Tuesday, March 15, 2011 12:30:00 PM

Molly Hennessy-Fiske from the LA Times would like an on-the-record interview with someone discussing the risks associated with nuclear releases. Her deadline is today.

213-237-7107

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-82

From: Janbergs, Holly
To: Couret, Ivonne
Subject: Radio Interview Req
Date: Tuesday, March 15, 2011 12:26:00 PM

Jim Sanborn from Pensacola, Florida's radio station 1370 WCOA would like to have someone on his radio show for an interview tomorrow morning at 8:30. I told him we were not commenting on the situation in Japan, and he said he was more interested in being able to discuss safeguards and plants in the U.S. I also pointed him to fact sheets and info on our public website.

850-316-6165

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-83

From: [Schmidt, Rebecca](#)
To: [Droggitis, Spiros](#); [Janbergs, Holly](#)
Cc: [Powell, Amy](#)
Subject: RE: Oral statement - JCB edits.docx
Date: Tuesday, March 15, 2011 9:43:47 AM

Beth—I think we are ok for right now. I will let you know after the Chr sees it

From: Droggitis, Spiros
Sent: Tuesday, March 15, 2011 9:40 AM
To: Janbergs, Holly
Cc: Schmidt, Rebecca; Powell, Amy
Subject: RE: Oral statement - JCB edits.docx

Beth: I suggested some words. Why don't you get the latest version from Amy and see if it needs any more. May want to use some words from the Chairman's just released note.

From: Janbergs, Holly
Sent: Tuesday, March 15, 2011 9:38 AM
To: Droggitis, Spiros
Cc: Schmidt, Rebecca; Powell, Amy
Subject: RE: Oral statement - JCB edits.docx

I'm working a staggered schedule, so I just got in. I will take a look at the proposed edits and get on that.

From: Droggitis, Spiros
Sent: Tuesday, March 15, 2011 7:23 AM
To: Janbergs, Holly
Cc: Schmidt, Rebecca; Powell, Amy
Subject: FW: Oral statement - JCB edits.docx

Beth: I'm at the Ops Center and its difficult to work on this. Could you please take a shot? Please coordinate with Becky and Amy. Thanks, Spiros

From: Powell, Amy
Sent: Monday, March 14, 2011 8:13 PM
To: Droggitis, Spiros; Schmidt, Rebecca
Subject: Oral statement - JCB edits.docx

Josh just called with changes/feedback on the oral statement. He had some specific wording changes that I inserted and/or suggested on the attached. Also, more broadly, he would like the following:

- Add a section about the NRC's role, what we do domestically as a lead in to why we are engaged on Japan
- Praise the NRC workforce, important role they play, dedication, tireless effort
- Response to Japan another example of what I've seen for 6 ½ years

I was packing to leave when he called. I am too tired to be too coherent – if you have time to give it a shot before I come in, the latest is attached. He'd like to get GBJ to sign off tomorrow am.

I-84

AP

STATEMENT
BY GREGORY B. JACZKO, CHAIRMAN
UNITED STATES NUCLEAR REGULATORY COMMISSION
TO THE
HOUSE COMMITTEE ON ENERGY AND COMMERCE
SUBCOMMITTEES ON ENERGY AND POWER, ENVIRONMENT AND THE ECONOMY
MARCH 16, 2011

Mr. Chairmen, Ranking Members Rush and Green, and Members of the Subcommittees, I am honored to appear before you today on behalf of the U.S. Nuclear Regulatory Commission. Given the events that are unfolding overseas, my opening remarks will focus on the crisis in Japan, ~~not and I have additional information on the Fiscal Year 2012 budget as was originally planned that I have submitted for the record.~~

I would first like to offer my condolences to all those affected by the earthquake and tsunami in Japan over the last few days. My heart goes out to those who have been dealing with the aftermath of these natural disasters.

Since Friday, the NRC's headquarters Operations Center has been operating on a 24-hour basis to ~~follow events~~ unfolding at nuclear power plants in Japan. Since the earthquake hit northeastern Japan last Friday, some reactors at the Fukushima No. 1 plant have lost their cooling functions, leading to brief rises in radiation levels. Two NRC experts on boiling-water reactors have already been deployed to Japan as part of a U.S. International Agency for International Development team, and they are currently in Tokyo. Since then, the Japanese government has formally asked for assistance from the United States as it continues to respond to cooling issues at the country's nuclear power plants. Another NRC team is being ~~assembled~~ scheduled to land this morning in response to this request.

Comment [AXP1]: Would prefer a stronger word than "follow" -- monitor and analyze.

Comment [AXP2]: Yes, they will arrive the morning of the hearing

Within the U.S., the NRC has been coordinating its efforts with other Federal agencies as part of the government response to the situation. This includes monitoring radioactive releases and predicting their path. All the available information indicates that weather conditions have taken the small releases from the Fukushima reactors out to sea away from the population. Given the thousands of miles between Japan and the United States, Hawaii, Alaska, the U.S. Territories and the West Coast are not expected to experience any harmful levels of radioactivity.

Examining all available information is part of the effort to analyze the event and understand its implications both for Japan and the United States. The NRC has been working with several agencies to assess recent seismic research for the central and eastern part of the country. That work continues to indicate that U.S. plants will remain safe.

U.S. nuclear power plants are built to withstand environmental hazards, including earthquakes and tsunamis. Even those plants located outside of areas with extensive seismic activity are designed for safety in the event of such a natural disaster. The NRC requires that

safety-significant structures, systems, and components be designed to take into account the most severe natural phenomena historically reported for the site and surrounding area. The NRC then adds a margin for error to account for the historical data's limited accuracy. This means that U.S. nuclear power plants are designed to be safe based on historical data from the area's maximum credible earthquake.

The NRC is always attentive to any information that can be applied to U.S. reactors. Our focus is always on keeping plants in this country safe and secure. As this immediate crisis in Japan comes to an end, we will look at whatever information we can gain from the event and see if there are changes we need to make to our own system. However, the bottom line is that we believe our plants are safe.

The NRC will continue to monitor the situation and provide updates via press release and public blog. Our counterpart in Japan is working to control events abroad, and we continue to have faith in its ability to do so. In the meantime, the NRC stands ready to offer further technical assistance as needed. We hope that this situation will be resolved soon so that Japan can begin to recover from this terrible tragedy.

From: Droggitis, Spiros
To: Brenner, Eliot; Burrell, Scott; Harrington, Holly; Janbergs, Holly; Hayden, Elizabeth
Subject: FW: Transcript of Chairman's briefing with WH press corps
Date: Tuesday, March 15, 2011 8:59:12 AM

From: Weil, Jenny
Sent: Tuesday, March 15, 2011 8:58 AM
To: Schmidt, Rebecca; Powell, Amy; Droggitis, Spiros; Dacus, Eugene; Decker, David; Shane, Raeann; Riley (OCA), Timothy
Subject: FYI: Transcript of Chairman's briefing with WH press corps

Yesterday's briefing.

THE WHITE HOUSE
Office of the Press Secretary

For Immediate Release

March 14, 2011

PRESS BRIEFING
BY PRESS SECRETARY JAY CARNEY,
NUCLEAR REGULATORY COMMISSION CHAIRMAN GREG JACZKO
AND DEPUTY SECRETARY OF ENERGY DAN PONEMAN

James S. Brady Press Briefing Room

Please see below for a correction (marked with asterisks) to the transcript.

DEPUTY SECRETARY PONEMAN: Thank you, Mr. Chairman. Thank you, Jay.

We have been working very closely with our colleagues throughout the interagency process here at the Department of Energy. We've been **led by Secretary Chu -- I just came from speaking with him on this matter and we've been speaking continuously throughout the weekend.

1:07 P.M. EDT

MR. CARNEY: Good afternoon, everyone. Over the weekend, as you know, the President was briefed multiple times on the situation in Japan in the wake of the tragic earthquake and tsunami there. USAID is leading our humanitarian assistance effort with the Department of Energy, the Department of Health and Human Services, the Nuclear Regulatory Commission and others.

Here at the White House, Homeland Security Advisor John Brennan is coordinating an interagency process with regards to Japan and engaging with relevant officials from across the government. Because we knew that you would have a lot of questions about the situation in Japan, especially with regard to nuclear issues, I brought with me today, asked to come today, Greg Jaczko, who is the chairman of the Nuclear Regulatory Commission. He can answer questions people have about the safety of American citizens in Japan, as well as he can just generally update Americans about the impact of the accident -- or rather the aftermath of the tsunami and earthquake.

And then I also have Dan Poneman, who is our Deputy Secretary

I-85

of Energy, and he can outline everything that we are doing to assist Japan as it deals with the aftermath.

With that, I'll ask these two gentlemen to speak. If you could address the questions related to their areas to them, and then we'll let them get out of here and get back to work. And I will take questions on other issues. Thanks very much.

CHAIRMAN JACZKO: If I could just start with just a few points. First and foremost, based on the type of reactor design and the nature of the accident we see a very low likelihood, really a very low probability that there's any possibility of harmful radiation levels in the United States or in Hawaii, or in any other U.S. territories.

Right now, based on the information we have, we believe that the steps that the Japanese are taking to respond to this crisis are consistent with the approach that we would use here in the United States. And most importantly, we advise Americans in Japan to listen to and to follow the instructions of the Japanese government with regard to the nuclear facilities.

The agency has been providing technical assistance to the Japanese government as they are requesting, and in particular, we have dispatched two technical experts to Japan and are continuing to assemble a team of experts that would be dispatched in the near future.

So with that, I will then turn to Dan.

DEPUTY SECRETARY PONEMAN: Thank you, Mr. Chairman. Thank you, Jay.

We have been working very closely with our colleagues throughout the interagency process here at the Department of Energy. We've been ***led by Secretary Chu -- I just came from speaking with him on this matter and we've been speaking continuously throughout the weekend. John Brennan has been coordinating matters interagency. We have had frequent meetings in person, we've had frequent meetings over the telephone, as we are trying to respond to all of the data that we are taking in.

We've also been in very, very close, continuous consultation, all hours of the day, with Ambassador John Roos -- and hats off to him for the incredible job he and the country team have been doing as they've been coordinating the American response. And as appropriate, given their independent regulatory status, we're making sure we share information as appropriate with Chairman Jaczko and our colleagues over at the NRC.

We have focused our efforts on consulting very, very closely with our Japanese colleagues. We also have dispatched subject matter experts -- both reactor experts and an expert on emergency response. We are in consultation with them and we will make sure that any requirement that they have we are prepared to meet. And we are talking with them even on a real-time basis as that proceeds. So we have technical expertise already there on the ground. We have additional capabilities if and as needed. Of course, the Japanese government has tremendous capabilities on their own, but because a matter of this nature requires all of our best efforts, we stand ready to assist as required.

MR. CARNEY: What I'll do is I'll go ahead and call on people. Ben, why don't you start?

Q Thank you. Chairman Jaczko, can you give us a sense of how President Obama is getting briefed about this nuclear crisis in

Japan and the risk to the people there? And also, in the plainest terms you can, can you describe sort of the nature of what we're seeing and just how bad it is?

CHAIRMAN JACZKO: Well, I would turn to one of the others about the President's briefings.

MR. CARNEY: Let me just say, Ben, if I could, the President was briefed multiple times over the weekend. He has been briefed this morning and is being updated throughout the day. John Brennan, the Assistant to the President for Homeland Security, is taking a lead on that and gathering information and coordinating the briefings the President gets with all the relevant officials in the government.

CHAIRMAN JACZKO: It terms of the second part of your question, it is a serious situation certainly in Japan. The efforts right now of the Japanese government, with our assistance where they've requested it, is to continue to look for ways to provide the ability to keep the reactors cool. And that is a process that has been ongoing now for some time, and we continue to provide assistance where we can. In particular, they have asked for additional types of equipment that will help provide water and other resources to ensure that the reactors continue to be cool.

Q Has there been a partial meltdown in any of these reactors there?

CHAIRMAN JACZKO: At this time, we don't really have detailed information about the nature of the core in the reactor itself. But it is a situation in which there has been a loss of the normal type of cooling mechanisms to the reactor. So as the situation continues to develop we'll get better information. But right now, the focus has been to do everything possible to ensure that the reactor continues to be cooled.

Q And this incident leading to any safety concerns at nuclear facilities here in the United States?

CHAIRMAN JACZKO: Well, as I said, from the NRC's perspective, we are always focused on the safety and security of nuclear power plants in this country. That will always be something that we do. Whenever there's any new information, we always take that information into consideration and make changes if necessary. But right now we continue to believe that nuclear power plants in this country operate safely and securely.

I'll stop at that point.

MR. CARNEY: Jill.

Q Following up on that, is there any attempt, though, at this stage to assess, carry out a study of the ability of these plants in the United States to withstand an earthquake? Because after all, you have California. And also at least one of the reactors in jeopardy apparently in Japan uses that MOX fuel. Is there more concern about that, heightened -- any situation with the venting?

CHAIRMAN JACZKO: Well, with regard to the U.S. power plants, the U.S. power plants are designed to very high standards for earthquake effects. All our plants are designed to withstand significant natural phenomena like earthquakes, tornadoes and tsunamis. So we believe we have a very solid and strong regulatory infrastructure in place right now. But of course, as we always do, as an independent regulatory agency, we will continue to take new information and see if there are changes that we need to make with our program.

With regard to the MOX fuel, again, we are providing assistance to the Japanese where they request our assistance. And at this time, they have not asked for any specific information with regard to the MOX fuel.

Q You just talked about how the high standards are here in the United States domestically. What are the differences in safety standards between what Japan has and what the United States does have?

CHAIRMAN JACZKO: Well, right now as I said, our focus is always on keeping the nuclear power plants in this country secure. We are also putting a strong focus right now on providing technical expertise to the Japanese as they request it. Questions about exactly the differences and what changes we might want to consider and look at in this country is something we'll deal with down the road. But bottom line right now, we believe that the plants in this country continue to be designed to a very high standard for seismic and tsunami-type events.

Q There's already been calls -- this might be more for Jay, but there are already calls for moratoriums in the United States. For example, Congressman Markey called for that. Does the President know about these calls for changes in U.S. handling of this issue? And you said you were reviewing, but what is the timeline for that? This is obviously something that Americans are concerned about.

CHAIRMAN JACZKO: Again, as an independent regulatory agency, we will always take whatever steps are necessary to ensure the safety and security of nuclear power plants in this country. But right now we believe we have a very strong program in place. As we get more information from Japan, as this immediate crisis ultimately comes to an end, we will look at whatever information we can gain from this event and see if there are changes we need to make to our system.

I would just add as a similar scenario, following the 2004 tsunami, we did review tsunami requirements for nuclear power plants, and, in fact, went and made sure that our plants would be able to deal with that type of event.

MR. CARNEY: Chip.

Q Would plants in the United States be able to withstand a quake of this magnitude?

CHAIRMAN JACZKO: Again, I don't want to speculate on anything like that at this point.

Q But are they planned to be able to -- I know they try to estimate what they would be able to withstand. I know in Japan, for example, this one I believe was only built to withstand a 7.9 or something like that. In the United States, are they built to withstand a quake of this magnitude, of an 8.9?

CHAIRMAN JACZKO: At this point what I can say is we have a strong safety program in place to deal with seismic events that are likely to happen at any nuclear facility in this country. As we get past this immediate crisis where we continue to provide support to the Japanese, we'll gather information about the specifics of the event. But I don't want to speculate too much about what exactly were the relevant factors in Japan at this point.

Q And one other question. You said that there's a "very low likelihood," I believe were your words, of harmful radiation making it to Hawaii or the West Coast. Is that based on the condition of those plants right now, or is that based on a partial meltdown or,

heaven forbid, a total meltdown? Could that change your assessment?

CHAIRMAN JACZKO: The information about harmful -- the lack of any harmful impacts to the U.S. is simply based on the nature of these reactors and the large distances, obviously, between those and any U.S. territory. So you just aren't going to have any radiological material that by the time it traveled those large distances could present any risk to the American public.

Q Even in a worst-case scenario, even with a meltdown, you're not going to have harmful radiation reach Hawaii or the West Coast?

CHAIRMAN JACZKO: Again, I don't want to speculate on various scenarios, but based on the design and the distances involved, it is very unlikely that there would be any harmful impacts.

MR. CARNEY: Mike.

Q Do you gentlemen worry about perhaps an overreaction in this country, seeing a nuclear problem in another country, in terms of policymakers running away from nuclear energy?

CHAIRMAN JACZKO: I would defer to Dan.

DEPUTY SECRETARY PONEMAN: I think you just heard very clearly from Chairman Jaczko that we place safety paramount when it comes to the regulation of our nuclear power plants, and we always will. That having been said, we have to have an energy policy and a direction in this country that's driven by our overall assessment of our country's best interest.

In that respect, we are going to continue to seek to diversify our energy supplies. We're going to continue to make sure that each and every one of those sources is as safe as is humanly possible. And we will continue to take all learnings into account as we proceed from episodes that happened, from hypothetical that we might be able to come up with. It's a matter -- it's nothing new about it. It's a matter of our continuous approach to our own development of our safety resources -- our energy resources to make sure that they're done continuously and safely. Each event as it occurs is taken into account, but we don't sort of change from day to day our overall approach to the desire to diversify our overall energy posture.

Q And nuclear is a key component in your interest in diversification, correct?

DEPUTY SECRETARY PONEMAN: Nuclear power has been a critical component to the U.S. energy portfolio. We have 104 operating reactors -- that's 20 percent of the electricity of this country; 70 percent of the carbon-free electricity in this country comes from nuclear power. So we do see nuclear power as continuing to play an important role in building a low-carbon future. But be assured that we will take the safety aspect of that as our paramount concern.

And under the independent regulatory authority, going back to 1974, the NRC, which is independent and is, therefore, at arms' length, will ensure that we live up to exactly those kinds of high standards that the President expects us to use in operating those plants.

Q And quickly, it is critical to reaching your mission goals, correct -- nuclear energy?

DEPUTY SECRETARY PONEMAN: We view nuclear energy as a very important component to the overall portfolio we're trying to build

for a clean energy future.

Q I want to follow up on a question and see if we can get Jay to answer on this -- the moratoria issue. I think it was Senator Lieberman said over the weekend that what's gone on in Japan should cause us to put the brakes for the moment on nuclear power plant development in America. Does the administration agree with that?

DEPUTY SECRETARY PONEMAN: I'm happy to start and others can supplement.

As I said, going back decades, every experience that we have with respect to our nuclear plants we take fully into account. Certainly back in March 1979 at the time of the Three Mile Island episode, there were a tremendous amount of learnings that we applied to the improvement of safety in our fleet. Our reactors are much safer today because of all those learnings that have been applied.

We continually hypothesize new scenarios of different types and never stop our efforts to continue to exercise our capabilities, to assess the possibilities, and to ensure that our reactors can operate as safely as possible. We'll continue to do that. We'll continue to seek to improve. We'll certainly take the learnings out of this experience and apply those as well. And we know, because of the independence of the Nuclear Regulatory Commission, that in terms of operating our reactors only if they can operated safely, that is a responsibility that is properly reposed in the Nuclear Regulatory Commission.

Q So a pause isn't necessary?

DEPUTY SECRETARY PONEMAN: From a policy perspective, we will continue to operate our reactors and seek to operate them safely. We will continue to seek to build nuclear into a part of a responsible energy future, and we will repose our confidence in the NRC to make sure that we only do so to the extent that it can be done safely.

MR. CARNEY: Athena, I would just add that we have the plants that we have already in operation that provide 20 percent of the electricity in the United States. And information is still coming in from Japan, so as we evaluate that information, these gentlemen have made clear that they will incorporate that into how we view safety and security of nuclear energy as a resource.

But it remains a part of the President's overall energy plan when he talks about reaching a clean energy standard it's a vital part of that. And as we get more information about Japan and what happened there, that can be incorporated. But right now, we remain committed to the clean energy standard and the other aspects of the President's energy plan.

Q Mr. Chairman, do you have NRC people in Japan now?

CHAIRMAN JACZKO: We currently have two NRC technical experts in Japan. They are working to provide information to the U.S. embassy, as well as to interface with their colleagues in the Japan regulatory authority.

Q And from your understanding of the situation now with the Japanese reactors, is it as bad as it's going to get, or might it get worse?

CHAIRMAN JACZKO: Again, I don't want to speculate on how this may progress. I would say it is a serious situation, and we continue to provide whatever assistance is requested from us and is necessary -- assistance requested or necessary by the Japanese

government. And I would it is a -- Japan is a technically advanced nuclear country and they possess significant technical resources and capability on their own.

Q Jay, so there's nothing -- the President hasn't seen anything in Japan that will lead him to change his position that the U.S. should continue to get power from nuclear sources and increase that amount in the future?

MR. CARNEY: Dan, from a policy point of view -- but again, this is a -- information is still coming in. I think these gentlemen have addressed the issues of safety and security of the American nuclear energy program. And as more information comes in, obviously it will be evaluated. But 20 percent of our electricity is generated by nuclear power. It is already a major component of our energy here I in the United States.

CHAIRMAN JACZKO: If I could add, just again to reiterate I think the point that's been made, that we are an independent regulatory authority and we always keep focus on a day-to-day basis on the safety and security of nuclear reactors in this country. So if we do get information that would cause us to take action, we will take that action. But at this time, we don't have any information that would cause us to do anything different with our approach with the current reactors. But we will review information as it becomes available.

MR. CARNEY: A couple of more.

Q Mr. Chairman, of those two technical advisors you have there, are they in Tokyo? Are they up near the facility? Are they getting information from the Japanese government? And how would you describe the Japanese government's description of what's going on? Are they being forthcoming with both the public and with you?

CHAIRMAN JACZKO: Well, our two experts are in Tokyo and they are providing assistance to both the U.S. embassy as well an interface with our Japanese counterparts. And we continue to work to provide resources and assistance as we can.

Q Are they getting information, technical information from the Japanese? Are they watching press reports about what they're seeing going on? To what extent are they really hearing what's going on?

CHAIRMAN JACZKO: Right now, they're providing a very valuable resource to us to give us direct information from Japan about what's going on. And that's coming from a variety of sources, including interaction with counterparts in their regulatory --

Q Has the government of Japan been very cautious about what it's putting out publicly? They didn't have much urgency at the beginning and it's gotten more and more urgent.

CHAIRMAN JACZKO: Again, from what I've seen, we continue to see a very aggressive effort to deal with what is a very difficult situation in Japan right now.

DEPUTY SECRETARY PONEMAN: Can I just supplement that by saying that we've been in consultation through Ambassador Roos. He's been in continuous consultation with Chief Cabinet Secretary Edano. And we have two subject matter experts over there as well, and they are in communication with their counterparts.

Q Have you supplied any actual equipment to the Japanese? Have they requested anything?

DEPUTY SECRETARY PONEMAN: Well, we are ready to provide equipment. We have talked to them about what they have. As of this morning, there may be some additional information that Chairman Jaczko may wish to comment on. But what we are making sure of is, A, of course they have a lot of equipment on their own, but, B, such equipment as we have -- and we have equipment that can do aerial monitoring of ground deposition -- that's available. We have emergency response equipment. That's available. We're not starting from a blank slate, though, because the Japanese already have a lot of equipment, and we're just making sure we've got what we need to supplement.

MR. CARNEY: Why don't we -- one question from the Japanese media and then we'll wrap this part up.

Q With the accident at the nuclear plant over the weekend, has there been any direct impact from that on the U.S. support teams that are already in the area? Have they had to alter their plans at all as a result?

CHAIRMAN JACZKO: I would defer that question to AID, I believe. They have better information about the teams. The two NRC officials who are in Tokyo have not experienced any issues that I'm aware of. But, obviously, their safety -- their personal safety is important to us. But in Tokyo, there is no direct impact from the nuclear incident itself.

Q Can you talk then more generally about the logistical challenges of going into an area with such unprecedented damage?

CHAIRMAN JACZKO: Again, I would defer some of those broader questions to the folks at AID that we've been working with very closely to help provide that logistical support.

DEPUTY SECRETARY PONEMAN: I would just add to that, our DOE people have not been impaired in their ability to reach out to their Japanese counterparts. And in fact, at the Ambassador's request, we're sending another technical expert to join the team so they've got more subject matter expertise there.

In the context of the coordination that Mr. Brennan has been doing from the homeland perspective, we are making sure and working very closely with our colleagues in the Pentagon to make sure that any assets from a U.S. government perspective that need to be brought in there, we make available whatever assets we have through them, working with AID, as well.

Q Can I ask about nuclear waste, please? It's very important.

MR. CARNEY: I want to let these guys go for now.

Q Can we ask you about it?

MR. CARNEY: We'll take one question on nuclear waste, Connie.

Q Thank you. Is the U.S. reviewing its policy now on nuclear waste? And what are the Japanese doing in the midst of this crisis with their nuclear waste?

DEPUTY SECRETARY PONEMAN: I would segregate what they're doing in the middle of this crisis with respect to their nuclear waste. The first focus in the crisis, obviously, is getting the coolant to the cores of the affected reactors. And of course, there is spent fuel present at the reactors and making sure that that used fuel remains cooled properly and so forth.

From a U.S. perspective, we are still very closely evaluating our options. And the principal mechanism here, as you well know, is that President Obama asked Secretary Chu to convene a high-level panel of very distinguished Americans, chaired by Mr. Lee Hamilton, former congressman, and retired general Brent Scowcroft. And that group is going to be looking at all the options having to do with the back end of the fuel cycle for the United States of America, and by July will be coming back with some interim views on the options we ought to think about going forward. I'm sure they're going to be taking all of these experiences, data coming out of this experience into account.

Q Are you confident that Japanese nuclear waste is safe now?

DEPUTY SECRETARY PONEMAN: In terms of Japanese regulation of Japanese nuclear waste, I would refer you to the Japanese regulatory authorities.

MR. CARNEY: Thank you, gentlemen, very much. I appreciate it. We'll move on to the rest of the briefing. Thank you for coming.

Thanks for holding in abeyance your questions on other issues. Ben.

Q Two quick ones, Jay. I know that the President's concern first and foremost is about health and safety as it relates to this disaster. But is he also concerned about the impact the Japan natural disaster could have on the world economy?

MR. CARNEY: Ben, we have full confidence in the capacity of Japan to address the economic challenges during these exceptionally difficult times. We're monitoring, as we do always, the global economic environment, but we stand ready to assist the Japanese who are our friends and allies in any way that we can. And it's important to remember that the Japanese have demonstrated a great resiliency and ability to pull together during times of adversity, and we are confident that they will overcome this challenge and recover from this tragedy.

Q And on one other topic, on the meeting that the President is having with General Petraeus, could you just tell us a bit about why he's here? And specifically, is this a meeting at which he -- the General plans to talk about troop withdrawal plans in Afghanistan?

MR. CARNEY: Well, the General, as you know, is here. He is testifying on the Hill this week, and he is here meeting with the President today -- well, they meet with some regularity -- but to brief him on the progress we're making in Afghanistan. And as part of that discussion, yes, I believe they will discuss the President's plan to being a transition process in July of 2011, which will begin a process that will lead to turning over the security lead to the Afghan security forces by the end of 2014.

Q Jay, I saw the statement this morning about Bahrain and Saudi Arabia and the other GCC countries, but if this is the case that you have Saudi Arabia sending its forces into Bahrain, isn't that a gross violation of the sovereignty of another country?

MR. CARNEY: Well, we're aware of those reports and that other GCC countries are considering doing that. We urge all of our GCC partners to show restraint and to respect the rights of the people of Bahrain, and to act in a way that supports dialogue instead of undermining it. The important factor here is that our overall principles apply to Bahrain and all the countries in the region, which is that we urge restraint. We urge nonviolence in response to

nonviolent protesters; the respect for the universal rights of people in the region to gather peacefully, to voice their opinions, to have their grievances heard by their governments, and to have greater participation in the political process.

We have long believed and the President has expressed for a long time now that stability in the region will be brought about by dialogue and political reform. And it is counterproductive to that goal to in any way repress the expression of those desires that the people of Bahrain, in this case, and other countries, have.

Q Jay, that's a very diplomatic way of saying that the U.S. is unhappy about what's going on. But if another country, if Iran had decided to go into another country because they felt it was the right thing to do, what would the United States be saying? And I know it's a hypothetical, but this appears to be pretty serious.

MR. CARNEY: Well, again, I think you have to understand what -- I mean, we've seen the reports that you're talking about. This is not an invasion of a country.

Q Right, but there are security forces.

MR. CARNEY: It is -- correct. And we urge the government of Bahrain, as we have repeatedly, as well as other GCC countries to exercise restraint, and not to meet the nonviolent protests of people legitimately expressing their concerns and asking to have their voices heard with any kind of physical violence. So we -- that -- we call on, again, the government of Bahrain as well as other countries in the region that -- to hear this message.

Steve.

Q Did you get any advance warning that this was going to happen, the Saudis moving in?

MR. CARNEY: I don't have anything on that for you, Steve. As far as --

Q As far as you know -- okay.

MR. CARNEY: I don't know. I don't have anything for you on that.

Q Are we calling on the Saudis to leave?

MR. CARNEY: We are calling on the Saudis, the other members of the GCC countries, as well as the Bahraini government, to show restraint; and that we believe that political dialogue is the way to address the unrest that has occurred in the region, in Bahrain and in other countries, and not to in any way suppress it.

Yes.

Q Over the weekend you sent out a statement responding to the Arab League's endorsement of a no-fly zone, but you didn't obviously indicate whether the United States supports that or not. Knowing that all options are still on the table, isn't it approaching a situation where it might be too little, too late, in Libya to enact this no-fly zone?

MR. CARNEY: As you know, we have discussions going on at the United Nations in New York regarding various options, military options, as well as non-military, and specifically a no-fly zone option. We have, as you know, tomorrow and then Wednesday at NATO, a process by which the plans that were being reviewed and refined that address a no-fly option will be presented to the NAC on

Wednesday. And so we are, as we have said, constantly reviewing our options, refining our options, and this process is moving along.

The situation in Libya -- we continue to condemn the use of violence against the Libyan people by the Qaddafi regime, and we are encouraged by the international condemnation of that and by the actions taken by the Arab League, for example, because we believe that whatever actions we do take should be international and especially should represent the will of the people in the region and the countries in the region. And that's why the Arab League's voice on this is so important.

Q Knowing that you are -- could potentially be -- could be moving forward on this this week, but doesn't that -- there's been some voiced concern from foreign counterparts that that might nullify the goal of a no-fly zone, to enact it a little too late. Is there no concern --

MR. CARNEY: Well, Sunlen, again, I would say that the -- to go back to things we've talked about last week, the speed of the international reaction here has been quite remarkable and we are not letting up on our pressure, as the President made clear on Friday. I would note that, as you probably know, Secretary Clinton is in Paris where she will meet with opposition leaders, Libyan opposition leaders, as well as G8 counterparts to discuss some of these issues.

So we are moving with a great deal of haste and in coordination with our international partners, again with the kind of deliberation and speed that the situation requires, mindful of the fact that the decisions we're talking about here are significant ones and need to be made with everyone's eyes open to what they mean and what the goals are -- and I mean that with regard to a variety of possible options.

Chip.

Q Jay, following up on the no-fly zone, my understanding is there are now about five ships off the coast of Libya, three U.S. submarines off the coast, presumably with cruise missiles, plus you've got plenty of NATO aircraft at bases in the vicinity. Is the hardware now in place where if the President and other leaders were to give the order, that they could pull the trigger on a no-fly zone right now?

MR. CARNEY: Chip, what I would say, first of all, for the technical requirements to impose a no-fly zone, I would refer you to NATO, to the Defense Department. But what I think Secretary Gates has made clear and others have made clear is that this has never been a case about what our capabilities are. Obviously the United States of America has the capacity with its international partners to engage -- activate a no-fly zone, as well as take a variety of other potential measures.

The issue is making sure that the policy decisions we make, we make collectively with our international partners, because it is very important that the response be an international one and not just an American one, and that we are cognizant of what the goals are and whether they're achievable, and what the impacts of that decision will be.

Q But there's no big lag period? If they decide Tuesday, Wednesday to --

MR. CARNEY: Again, I don't have specifics on what technical requirements have to be met in order to begin to implement an option like that. I would refer you to NATO probably for that.

Q Just one more question. Following up on Ben's when he asked you about the global economic impact here, you basically responded with your confidence in the resiliency of Japan. But even if Japan does respond as well as could possibly be expected, this could still have a significant effect on the global economy. In discussions back there that you've been a part of or are aware of, have you heard economic advisors for the administration suggest that what could happen here is the same thing that happened last year with the Greek crisis, delaying the economic recovery? Could this have that same kind of effect on the economic recovery again?

MR. CARNEY: Well, I would just say, Chip, that these are still early days, but that we remain confident that Japan and, therefore, the world can deal with this crisis and respond and rebuild in a way that is good for Japan and good for the world. So we have that confidence and we therefore believe that -- the resiliency of the Japanese people, the resiliency of the Japanese economy are very important factors in the capacity of Japan to handle this, and therefore the world working with Japan to handle it as well.

Q The recovery is safe?

MR. CARNEY: Again, I would just refer you to what I said.

Q A quick one on the gun laws. President Obama wrote an op-ed over the weekend and he said, "None of us should be willing to remain passive in the face of violence or resigned to watching helplessly as another rampage unfolds on television." So the question is what is the administration prepared to do actively, to actively support legislation-wise? For instance, Representative McCarthy's bill to ban high-round magazines -- is that something that the President or administration officials will come out in support for?

MR. CARNEY: Well, what I've said in the past still holds, which we will review proposed legislation as it comes up. I don't have any announcements for what we would support. But I would also say that the Department of Justice has reached out to stakeholders on all sides of this issue and they're going to be holding a series of discussions as a first step, and that some of those meetings are happening this week.

So we are -- the President made his views known in the op-ed that you referred to. And the Department of Justice is continuing this process by meeting with stakeholders on all sides of the issue to look at ways that we can find common ground to take some common-sense measures that respect Americans' Second Amendment rights, but also deal in a common-sense way with Americans' safety and security.

Q So the administration wouldn't put forth legislation on its own or spearhead a plan?

MR. CARNEY: Well, I don't want to speculate about what we may or may not do legislatively, except to say that we are engaged in this process.

Yes, Carol.

Q Sort of on what Chip was talking about, is there -- how much aid is the United States willing to give to Japan? And have there been discussions in the administration about financial assistance and what that amount might look like? Have the Japanese made any specific requests?

MR. CARNEY: I think we are now in the phase of dealing with the immediate crisis, and we are offering any and all assistance that we can provide that the Japanese request and need to help them deal

with it. They are a very close ally and we stand ready to assist them in any way that we can. Long term, obviously, we'll have to evaluate what the needs are and how we can help. But we're committed to helping Japan recover from this.

Q Have there been any discussions about that internally, in terms of what --

MR. CARNEY: Not that I'm aware of, because we are literally dealing with the aftermath, the considerable aftermath of a terrible situation caused by this earthquake and tsunami.

Q Just one quick thing on education -- and obviously that's an area where the White House sees room for compromise and bipartisanship -- would you consider Race to the Top an area where you have consensus? Or is that an area where the White House thinks that they might need to do some work in order to get consensus?

MR. CARNEY: Well, we are consulting with our partners on Capitol Hill of both parties on education reform regularly. And Race to the Top already has received a great deal of bipartisan support. We think it's been a very effective program and a good model for education reform. And we expect that bipartisan support to continue -- which doesn't mean we take it for granted. And in the process of improving the law, we'll be working with Republicans and Democrats going forward, but we do expect it to happen this year.

Yes, sir.

Q Jay, on a funding bill, does it look to the White House as though you will get a three-week extension before the end of the week?

MR. CARNEY: I don't want to put timing on it, Mark. But we -- the cuts that have been outlined in that temporary measure are ones that we have already identified as acceptable. So we believe that we should be able to get something done. But again, we are focused on the process of achieving a resolution for the full fiscal year. Those conversations and negotiations are ongoing and that is our primary focus.

As the President said on Friday, because of the time it took to allow the process in the Senate to take place where the Senate voted on the Republican measure that emerged from the House and the Senate Democratic measure, it became necessary to give us the breathing space to negotiate the final CR for the fiscal year. But that remains our focus. And we remain absolutely committed to the idea that we need to get this done, last year's business done as soon as possible so we can focus on some of these other big challenges that we face.

Q And Vice President Biden will be taking the lead on that now that he's back from Europe?

MR. CARNEY: Well, this is a team effort. Vice President Biden is back from his trip and I'm sure he will be very much engaged in that process going forward.

Peter.

Q Thank you, Jay. If the U.S. wants -- believes that the legitimate grievances of Bahraini people need to be met, why not call upon Saudi forces to withdraw?

MR. CARNEY: Peter, I don't have anything more for you on that. We are calling on the countries in the region to show restraint and pointing to the fact that the dialogue that can bring about political

reform is essential for the stability of the countries in the region and their continued economic prosperity. Because we believe, as the President has said going back to his speech in Cairo, that it is -- the unrest that we have seen is a result of the lack of dialogue and the lack of engagement with the peoples in the region in their governments and in the political process.

Q And also, you mentioned in Egypt that the -- Mubarak was on this wrong side of history. Is that Bahraini monarchy also on the wrong side of history?

MR. CARNEY: Well, we have called on the Bahraini government to -- as we have others in the region -- to have a dialogue with their people, to listen to their grievances, to adopt political reforms, to respect the universal rights of their people. And I think, broadly speaking, in the countries of the region, the leaders in the region will be judged by how they deal with this process. And we think it's important for the future of the region, for the peoples in these countries, that their voices be heard and their legitimate aspirations be addressed.

April.

Q Going back to the op-ed of President Obama on gun control -- the President talked about the mental competency of the gunman in Arizona, how he could not get into the U.S. military, how he could not get into a college, but yet he still purchased a gun. Is that President looking at any -- what kind of ways does the President want there to be issues of judging mental competency in purchasing a gun? Or is that something that he's looking for in anything -- any gun control measures that come along?

MR. CARNEY: That level of specificity, I don't have, April. But I think that his point that he's making is that we can honor our Second Amendment rights while still ensuring that, as you noted, that someone with a criminal record shouldn't be able to check out a gun seller; that an unbalanced man shouldn't be able to buy a gun so easily. I mean, there is room for us to have reasonable laws that uphold liberty, ensure citizen safety, respect the Second Amendment, and that we should be able to find some common ground on some of those measures. I don't want to detail what those measures are or what he has in mind, specifically. The conversations are beginning along those lines at the Department of Justice.

Q Do conversations include gun shows, purchases at gun shows?

MR. CARNEY: Again, I don't have -- I don't want to narrowly define specific measures that may or may not be proposed. We're looking at possible legislation and we're having conversations with stakeholders on all sides of the issue.

Chris.

Q Thanks, Jay. I have some questions for you on marriage. Last week, the Maryland statehouse recommitted a bill legalizing same-sex marriage to committee because proponents didn't feel like they had enough votes for passage. The measure is effectively dead for this year even though Democrats have control of the chamber. By not supporting same-sex marriage, is the President, as head of the Democratic Party, giving cover to Democrats in that chamber who don't support the bill?

MR. CARNEY: Chris, the President's position on gay marriage is well known. He addressed this in December at the press conference and I don't have anything new for you on that.

Q So is the President not concerned that this measure failed

to progress in that chamber?

MR. CARNEY: I don't have anything for you on that either.

Q One last question, one last question. The proponents of this bill said they're going to try again in 2012. You said he's grappling with the issue of same-sex marriage. The President said he's wrestling with it. Is he going to pin down support for marriage equality and make an announcement before next year in time for these efforts --

MR. CARNEY: I don't have any timing for you on that either.

Yes.

Q Moroccan King has delivered a speech in which the government will change the reform (inaudible) constitution to give more power for the prime minister and lose more freedom. So does the White House have any comments on Morocco speech?

MR. CARNEY: I'm not sure if we have anything specifically on that. We encourage political reforms that liberalize the governments there, that allow for greater participation and representative government, and that applies across the region.

Q Jay, I have two questions, one a follow-up. Is it safe to assume that the GCC countries have not coordinated or informed the United States about their move to enter Bahrain, considering that they're close allies of the United States? And second, the Turkish Prime Minister said that it's counterproductive to have military intervention in Libya by NATO or any other country. Does this complicate your effort or all-options-on-the-table kind of approach?

MR. CARNEY: Regarding the no-fly zone and other options, nothing has changed since I last addressed this question five minutes or so ago. So the -- and with regards to Bahrain, we've made clear that we call on the nations in the region to show restraint and to honor the peaceful protestors by not using force against them. We make that -- call on the Bahraini government and the GCC countries as well.

Q So they haven't informed you? You don't know anything --

MR. CARNEY: I don't have anything on that.

Yes.

Q Jay, last week, Robert Einhorn over at State had a comment on Iran's nuclear program. He said that the U.S. believes that Iran intends to get to the brink of a nuclear capability but won't go to breakout. Can you talk about the extent to which that's been the subject of the conversation here at the White House by the President?

MR. CARNEY: I don't have anything -- any new information on that since the last time we addressed -- Ron, if you can talk to State about those particular comments.

Q Is that going to change his calculus at all?

MR. CARNEY: Well, we've made very clear that we are very concerned about Iran's pursuit. We and a lot of our international partners maintain that concern, so I think that still holds.

Yes.

Q Secretary Clinton last week told Congress that she wasn't

sure that a no-fly zone would actually be effective. She cited Iraq and Kosovo. Was she stating administration policy?

MR. CARNEY: Well, as I've made clear from this podium and others have made clear, too, that it is very important -- no matter what options we choose -- that we are aware of what is entailed in applying them, enforcing them, and that we are confident that the goals we set out for them are achievable.

The fact that, as Secretary Gates and others have said, that a no-fly zone is a serious matter and with costs associated and risks associated doesn't mean that it's off the table. It's still very much on the table. I think the purpose of having Secretary Clinton or Secretary Gates or others make people aware of the seriousness of a measure like that is simply that; so that we all are aware going into this process should that decision be made -- or other decisions be made -- that we know what we're talking about and what we would be pursuing.

Q But she said it doesn't work. So why would it be on the table?

MR. CARNEY: No -- well, I don't want to parse her words. I think -- but what I have made clear and others have made clear is that we need to know -- we would in any process, any decision like this we would make, we would have a plan, which I think elements are being developed at NATO about what a no-fly zone plan would look like and its implementation would look like should that be chosen. And it would obviously include within it discussion about its presumed effectiveness, the impact it would have, the risks associated with it and the potential costs associated with it.

Q Have you run any numbers on that as to cost?

Q She said it didn't get rid of the leader --

MR. CARNEY: I don't have any -- no, I don't.

Q She said it didn't get rid of the leader. It didn't stop the violence. So what would be the point?

MR. CARNEY: Again, making -- she's making an observation about a past exercise. Before we take any action, we would evaluate what that action would mean if it were applied in the specific case at hand.

Q Can I follow up, Jay?

MR. CARNEY: Yes.

Q Thanks, Jay. I don't want to ask about what the U.S. is ready to do or not ready to do, and I have lot of sympathy towards caution, but my question is about what would the U.S. accept others to do? Would it be conceivable that somebody else who seems to be much more eager to call for a no-fly zone, like France, like Arabic states, could you accept that they are taking the lead and say, okay, if France want to do it, together with Egypt, it's fine with us? Or would the U.S. prefer to be in control of the process because the consequences would also be consequences for the position of the U.S. in the region?

MR. CARNEY: Well, I think I have made clear that we feel it's very important that this -- the actions we take in response to the situation in Libya be international actions, that we work in concert with our international partners. So, quite the contrary; this is not about the United States dictating what happens working with our international partners. So the consultations continue with the

French and the British and others about what other measures we can take together.

So I don't -- I think we welcome the fact that there is so much international approbation and international unity in condemning what the Qaddafi regime is doing, and so much discussion with our international partners about all the different measures that we could do together to continue to put pressure on Qaddafi, to get him to cease and desist what he's doing against his people, and ultimately to remove him from power.

Q Could it also happen without involvement of the United States?

MR. CARNEY: Well, right now we're discussing at the United Nations, in Brussels at NATO, with our international partners what the various options are. We're very engaged in that discussion and continue to have that specific option on that the table.

Q Just two questions, Jay.

MR. CARNEY: Okay, I'm going to wrap it up here. Thank you very much.

Q When does he fill out his bracket? When is the Andy Katz exclusive?

MR. CARNEY: Stay tuned..

END

1:58 P.M. EDT

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From: Couret, Ivonne
To: Steger (Tucci), Christine; Akstulewicz, Brenda; Shannon, Valerie; Janbergs, Holly
Cc: Harrington, Holly
Subject: Calls coming in.....
Date: Tuesday, March 15, 2011 9:06:12 AM

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Ivonne L. Couret
Public Affairs Officer
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To: Janbergs, Holly
Subject: FW: WNN Weekly 8-14 March 2010
Date: Tuesday, March 15, 2011 8:33:36 AM

From: Cullingford, Michael
Sent: Tuesday, March 15, 2011 8:28 AM
To: McGinty, Tim; Regan, Christopher; Astwood, Heather; Hopkins, Jon; Quinones, Lauren
Cc: Couret, Ivonne
Subject: FW: WNN Weekly 8-14 March 2010

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From: World Nuclear News [mailto:wnn=world-nuclear-news.org@mcsv8.net] **On Behalf Of** World Nuclear News
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8-14 March 2011

REGULATION & SAFETY:

Dramatic escalation in Japan

15 March 2011

Loud noises were heard at Fukushima Daiichi 2 at 6.10am this morning. A major component beneath the reactor is confirmed to be damaged. Evacuation to 20 kilometres is being completed, while a fire on site was put out. Tepco have said containment shows 'no change'.

Loss of coolant at Fukushima Daiichi 2

14 March 2011

Serious damage to the reactor core of Fukushima Daiichi 2 seems likely after all coolant was lost for a period.

Explosion rocks third Fukushima reactor

14 March 2011

Another hydrogen explosion has rocked the Fukushima Daiichi nuclear power plant, this time at the third reactor unit. Analysis shows the containment structure remains intact.

Cold shutdowns at Fukushima Daini

14 March 2011

Two more reactors at Fukushima Daini have now achieved cold shutdown with full operation of cooling systems. Engineers are working for the same at the last unit.

Rolling blackouts as Japanese efforts continue

14 March 2011

Japanese utilities are introducing rolling blackouts in the face of energy shortages following the natural disasters of the last few days. Meanwhile, the country is relying more than ever

I-87

on the continued operation of its other nuclear reactors.

Efforts to manage Fukushima Daiichi 3

13 March 2011

Operations to relieve pressure in the containment of Fukushima Daiichi 3 have taken place after the failure of a core coolant system. Seawater is being injected to make certain of core cooling. Malfunctions have hampered efforts but there are strong indications of stability.

Contamination check on evacuated residents

13 March 2011

Potential contamination of the public is being studied by Japanese authorities as over 170,000 residents are evacuated from within 20 kilometres of Fukushima Daini and Daiichi nuclear power plants. Nine people's results have shown some degree of contamination.

Battle to stabilise earthquake reactors

1 March 2011

Attention remains focused on the Fukushima Daiichi and Daini nuclear power plants as Japan struggles to cope in the aftermath of its worst earthquake in recorded history. A dramatic explosion did not damage containment and sea water injection continues through the night.

Massive earthquake hits Japan

1 March 2011

Nuclear reactors shut down during today's massive earthquake in Japan. Official sources have reported no detected radioactive release but are still monitoring the situation, meanwhile work to establish adequate cooling at Fukushima Daiichi continues.

US nuclear regulator OKs Vermont Yankee extension

1 March 2011

The US Nuclear Regulatory Commission has said that it will renew the operating licence for the Vermont Yankee nuclear power plant for a further 20 years, although the regulator does not have the final say in the plant's future operation.

Two US nuclear projects put back 18 months

8 March 2011

The US Nuclear Regulatory Commission has told Dominion and Luminant that their licence applications to build at North Anna and Comanche Peak will be delayed by some 18 months due after changes in the design of Mitsubishi Heavy Industries' Advanced Pressurized Water Reactor.

WASTE & RECYCLING:

Double attack on US nuclear waste fees

10 March 2011

American utilities and regulators have both filed lawsuits against the Department of Energy for continuing to charge for the halted Yucca Mountain project.

CORPORATE:

Areva, Rolls-Royce team up for UK EPRs

11 March 2011

Areva has signed an industrial cooperation agreement with the UK's Rolls-Royce for the manufacture of components for nuclear energy related projects both in the UK and overseas.

Endesa to access AP1000 technology

9 March 2011

Westinghouse has signed an agreement with Spanish utility Endesa to share information on its AP1000 reactor technology. The move makes Endesa a likely partner for nuclear new build projects in Spain and South America.

Import agreement: Baltic to Lithuania

8 March 2011

A deal has been struck that will see major power exports from the Baltic nuclear power plant to Lithuania. Russian-controlled utilities will transmit 1000 MWe across the border shortly after the start of operation.

EXPLORATION & NUCLEAR FUEL:

China Guangdong makes Kalahari offer

8 March 2011

A deal in the offing could give China Guangdong Nuclear Power Corporation's uranium subsidiary a major stake in the Husab uranium project in Namibia.

INDUSTRY TALK:

Shin Kori 1 enters commercial operation

10 March 2011

Shin Kori unit 1 entered commercial operation on 28 February, according to the Korea Institute of Nuclear Safety (KINS). The indigenously designed OPR-1000 is South Korea's seventh such unit and 21st nuclear power reactor overall.

ESBWR approaches design certification

10 March 2011

The US Nuclear Regulatory Commission has found GE-Hitachi's Economic Simplified Boiling Water Reactor (ESBWR) to be safe and technically acceptable. After five years of consideration the NRC has issued a final safety evaluation report and final design approval for the reactor. Full design certification should follow later this year.

Reactors continue through earthquake

9 March 2011

Nuclear power plants were barely affected by the Sanriku offshore earthquake that rocked Japan at 11.45am this morning. The earthquake measured 7.3 on the Richter scale and originated 160 kilometres offshore some 8 kilometres underground. Nuclear power plants on the Pacific coast that felt the quake include Onagawa, Higashidori and Fukushima Daini and Fukushima Daiichi.

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World Nuclear Association
Carlton House, 22a St James's Square
London, Westminster SW1Y4JH

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From: Janbergs, Holly
To: Couret, Ivonne
Subject: Add to interview queue
Date: Tuesday, March 15, 2011 6:04:00 PM

Kelsey Hubbard from WSJ's digital news network would like someone to discuss our efforts regarding situation in Japan. I told her she was being put into a queue.

212-416-3327
Kelsey.hubbard@dowjones.com

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-88

From: [Janbergs, Holly](#)
To: [Harrington, Holly](#)
Subject: Entergy
Date: Tuesday, March 15, 2011 5:43:00 PM

Mike Burns from Entergy would like a copy of comments Jaczko gave last Thurs during a conference call with reporters.

504-576-4352

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-89

From: Janbergs, Holly
To: Couret, Ivonne
Subject: Radiation Monitoring Qs
Date: Tuesday, March 15, 2011 5:04:00 PM

Erika Bolstad from Anchorage Daily News would like to get some information from us on who is monitoring information in Alaska, and what the process is there.

202-383-6104

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-910

From: Janbergs, Holly
To: [WebContractor Resource](#)
Subject: RE: Re: Broken FDA Link
Date: Tuesday, March 15, 2011 4:32:00 PM

Thank you

From: WebContractor Resource
Sent: Tuesday, March 15, 2011 4:32 PM
To: Janbergs, Holly
Cc: WebWork Resource; Couret, Ivonne
Subject: RE: Re: Broken FDA Link

Good Afternoon Beth,

This has been updated and posted live.

Thank you,
Michael

From: Janbergs, Holly
Sent: Tuesday, March 15, 2011 3:09 PM
To: NRCWEB Resource
Cc: Couret, Ivonne
Subject: Re: Broken FDA Link

Hello,

I am responding to an e-mail regarding a broken link on our Use of Potassium Iodide page here:
<http://www.nrc.gov/about-nrc/emerg-preparedness/about-emerg-preparedness/potassium-iodide-use.html>

For the FDA regulations link, I suggest linking to the following:
<http://www.fda.gov/downloads/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/UCM080542.pdf>

Thank you.

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-91

From: Janbergs, Holly
To: Couret, Ivonne
Subject: Detroit News Qs
Date: Tuesday, March 15, 2011 3:57:00 PM

Melissa Burden at Detroit News has a few quick questions about the teams we've sent over to Japan. She wants to know if anyone from Michigan has gone, and she would like to know who within the agency will coordinate the efforts if any further teams go (e.g. chairman's office, commission, etc)

313-222-2319
mburden@detnews.com

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-92

From: Akstulewicz, Brenda
To: Couret, Ivonne; Steger (Tucci), Christine; Janbergs, Holly; Landau, Mindy
Subject: RE: two questions we can answer include
Date: Tuesday, March 15, 2011 3:28:20 PM

Safe to fly where – Japan, west coast, Hawaii or anywhere

From: Couret, Ivonne
Sent: Tuesday, March 15, 2011 3:22 PM
To: Akstulewicz, Brenda; Steger (Tucci), Christine; Janbergs, Holly; Landau, Mindy
Subject: two questions we can answer include

Is it safe to fly?

Yes. If events were to evolve into a situation that would result in travel being unsafe, a no fly zone would be established.

My loved one is overseas, how do I find out if they are ok?

We are directing public inquiries with regard to concern for loved ones overseas to the State Department, Consular Services at 202-647-7004.

Ivonne L. Couret
Public Affairs Officer
Office of Public Affairs



 (301) 415-8205
 ivonne.couret@nrc.gov

Visit our online photo gallery. Incorporate graphics and photographs to tell your story!
<http://www.nrc.gov/reading-rm/photo-gallery/>

2010-2011 Information Digest - Where you can find NRC Facts at a Glance
<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1350/>

NRC Employees can read interesting insight on the OPA Blog
<http://portal.nrc.gov/OCM/opa/blog/default.aspx>

 Please consider the environmental impact before printing this email.

I-93

From: Couret, Ivonne
To: Akstulewicz, Brenda; Janbergs, Holly; Steger (Tucci), Christine; Landau, Mindy; Shannon, Valerie; Harrington, Holly
Subject: FYI - Resource to How do I protect myself against radiation
Date: Tuesday, March 15, 2011 3:26:00 PM

**How do I protect myself against radiation? Plain English answer with specific agencies –
Be Informed citizen guide at ready.gov**
<http://www.ready.gov/america/beinformed/index.html>
<http://www.ready.gov/america/beinformed/shelter.html>

Ivonne L. Couret
Public Affairs Officer
Office of Public Affairs



 **(301) 415-8205**
 **ivonne.couret@nrc.gov**

Visit our online photo gallery. Incorporate graphics and photographs to tell your story!
<http://www.nrc.gov/reading-rm/photo-gallery/>

2010-2011 Information Digest - Where you can find NRC Facts at a Glance
<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1350/>

NRC Employees can read interesting insight on the OPA Blog
<http://portal.nrc.gov/OCM/opa/blog/default.aspx>

 Please consider the environmental impact before printing this email.

I-94

From: [Harrington, Holly](#)
To: [Harrington, Holly](#); [Brenner, Eliot](#); [Burnell, Scott](#); [Courret, Ivonne](#); [Hayden, Elizabeth](#); [McIntyre, David](#); [Chandrathil, Prema](#); [Dricks, Victor](#); [Hannah, Roger](#); [Ledford, Joey](#); [Mitlyng, Viktoria](#); [Screnci, Diane](#); [Sheehan, Neil](#); [Uselding, Lara](#); [Tobin, Jennifer](#); [Wittick, Susan](#)
Cc: [Landau, Mindy](#); [Janbergs, Holly](#); [Akstulewicz, Brenda](#); [Shannon, Valerie](#); [Taylor, Robert](#)
Subject: RE: Senate Hearing on Thursday
Date: Tuesday, March 15, 2011 8:39:38 PM
Attachments: [Q&AforRespondingtothePublic.docx](#)

These Q&As for use in responding to the public have been approved for verbal use. We will also consider posting them. Hopefully, these will help.

From: [Harrington, Holly](#)
Sent: Tuesday, March 15, 2011 5:47 PM
To: [Brenner, Eliot](#); [Burnell, Scott](#); [Courret, Ivonne](#); [Hayden, Elizabeth](#); [McIntyre, David](#); [Chandrathil, Prema](#); [Dricks, Victor](#); [Hannah, Roger](#); [Ledford, Joey](#); [Mitlyng, Viktoria](#); [Screnci, Diane](#); [Sheehan, Neil](#); [Uselding, Lara](#)
Cc: [Landau, Mindy](#)
Subject: Senate Hearing on Thursday

New: Nuclear Crisis in Japan

Senate Environment and Public Works Committee (Chairwoman Boxer, D-Calif.) will hold a briefing on the ongoing crisis associated with nuclear power facilities in Japan, including potential ramifications for the United States. 3:30 p.m., 406 Dirksen

I-95

Questions and Answers for OPA:

1. Can this happen here?

The events that have occurred in Japan are the result of a combination of highly unlikely natural disasters. These include the fifth largest earthquake in recorded history and the resulting devastating tsunami. It is highly unlikely that a similar event could occur in the United States.

2. I live near a nuclear power plant similar to the ones having trouble in Japan. How can we now be confident that this plant won't experience a similar problem?

U.S. nuclear power plants are built to withstand environmental hazards, including earthquakes and tsunamis. Even those plants that are located outside of areas with extensive seismic activity are designed for safety in the event of such a natural disaster. The NRC requires that safety-significant structures, systems, and components be designed to take into account the most severe natural phenomena historically reported for the site and surrounding area. The NRC is confident that the robust design of these plants makes it highly unlikely that a similar event could occur in the United States.

3. Has this crisis changed your opinion about the safety of U.S. nuclear power plants?

No. The NRC remains confident that the design of U.S. nuclear power plants ensures the continued protection of public health and safety and the environment.

4. With all this happening, how can the NRC continue to approve new nuclear power plants?

It is premature to speculate what, if any, effect the events in Japan will have on the licensing of new nuclear power plants.

5. What is the NRC doing in response to the situation in Japan?

The NRC has taken a number of actions:

- a. Since the beginning of the event, the NRC has continuously manned its Operations Center in Rockville, MD in order to gather and examine all available information as part of the effort to analyze the event and understand its implications both for Japan and the United States.
- b. A team of 11 officials from the NRC with expertise in boiling water nuclear reactors have deployed to Japan as part of a U.S. International Agency for International Development (USAID) team.
- c. The NRC has spoken with its counterpart agency in Japan, offering the assistance of U.S. technical experts.

- d. The NRC is coordinating its actions with other Federal agencies as part of the U.S. government response.

6. What other U.S. agencies are involved, and what are they doing?

The entire federal family is responding to this event. The NRC is closely coordinating its efforts with the White House, DOE, DOD, USAID, and others. The U.S. government is providing whatever support requested by the Japanese government.

7. What else can go wrong?

The NRC is continuously monitoring the developments at the nuclear power plants in Japan. Circumstances are constantly evolving and it would be inappropriate to speculate on how this situation might develop over the coming days.

8. What is the worst-case scenario?

In a nuclear emergency, the most important action is to ensure the core is covered with water to provide cooling to remove any heat from the fuel rods. Without adequate cooling, the fuel rods will melt. Should the final containment structure fail, radiation from these melting fuel rods would be released to the atmosphere and additional protective measures may be necessary depending on factors such as prevailing wind patterns.

9. The United States has troops in Japan and has sent ships to help the relief effort – are they in danger from the radiation?

The NRC is not the appropriate federal agency to answer this question. DOD is better suited to provide information regarding its personnel.

10. Is there a danger of radiation making it to the United States?

In response to nuclear emergencies, the NRC works with other U.S. agencies to monitor radioactive releases and predict their path. The NRC continues to monitor information regarding wind patterns near the Japanese nuclear power plants. Nevertheless, given the thousands of miles between the two countries, Hawaii, Alaska, the U.S. Territories and the U.S. West Coast are not expected to experience any harmful levels of radioactivity.

11. Is the U.S. government tracking the radiation released from the Japanese plants?

Yes, a number of U.S. agencies are involved in monitoring and assessing radiation including EPA, DOE, and NRC. The best source of additional information is the Environmental Protection Agency.

12. Has the government set up radiation monitoring stations to track the release?

The NRC understands that EPA is utilizing its existing nationwide radiation monitoring system, RadNet, to monitor continuously the nation's air and regularly monitors drinking water, milk and precipitation for environmental radiation. EPA has publicly stated its agreement with the NRC's assessment that we do not expect to see radiation at harmful levels reaching the U.S. from damaged Japanese nuclear power plants. Nevertheless, EPA has stated that it plans to work with its federal partners to deploy additional monitoring capabilities to parts of the western U.S. and U.S. territories.

13. The radiation "plume" seems to be going out to sea – what is the danger of it reaching Alaska? Hawaii? The west coast?

See response to Question 10.

14. I live in the Western United States – should I be taking potassium iodide (KI)?

At this time, the NRC does not believe that protective measures are necessary in the United States. We do not expect any U.S. states or territories to experience harmful levels of radioactivity. In the unlikely event that circumstances change, U.S. residents should listen to the protective action decisions of their states and counties. These protective action decisions could include actions such as sheltering, evacuation, or taking potassium iodide. The NRC will provide technical assistance to the states should they request it.

15. Are there other protective measures I should be taking?

At this time, the NRC does not believe that protective measures are necessary in the United States. We do not expect any U.S. states or territories to experience harmful levels of radioactivity. In the unlikely event that circumstances change, U.S. residents should listen to the protective action decisions of their states and counties. These protective action decisions could include actions such as sheltering, evacuation, or taking potassium iodide. The NRC will provide technical assistance to the states should they request it. United States citizens in Japan are encouraged to follow the protective measures recommended by the Japanese government. These measures appear to be consistent with steps the United States would take.

16. What are the risks to my children?

See response to Question 15.

17. My family has planned a vacation to Hawaii/Alaska/Seattle next week – is it safe to go, or should we cancel our plans?

The NRC does not expect that residents of the United States or its territories are at any risk of exposure to harmful levels of radiation resulting from the events in Japan. Any changes to travel are a personal decision. The NRC is unaware of any travel restrictions within the United States or its territories.

18. What are the short-term and long-term effects of exposure to radiation?

The NRC does not expect that residents of the United States or its territories are at any risk of exposure to harmful levels of radiation resulting from the events in Japan.

On a daily basis, people are exposed to naturally occurring sources of radiation, such as from the sun or medical X-rays. The resulting effects are dependent on the strength and type of radiation as well as the duration of exposure.

19. I am traveling to Asia (not Japan). Should I adjust my travel plans to avoid flying through plume or being contaminated once on the ground?

The NRC is not the responsible federal agency to advise U.S. citizens on foreign travel restrictions. That responsibility belongs to the Department of State.

20. What is the official agency to report radiation numbers and what is the public contact?

NRC regulations require nuclear power plants to report any radiation doses detected at the plant that could be harmful to the public. This would include doses that are generated by the plant or by an external source. During an event in the U.S., it is the state's responsibility to provide protective action decisions for public health and safety. For this incident, the Japanese are responsible for reporting the public dose; nevertheless, should radiation doses be detected within the U.S., it would still be the state's responsibility to provide protective action decisions for public health and safety.

21. How many plants are located in seismic areas?

Although we often think of the US as having "active" and "non-active" earthquake zones, earthquakes can actually happen almost anywhere. Seismologists typically separate the US into low, moderate, and high seismicity zones. The NRC requires that every plant be designed for site-specific ground motions that are appropriate for their location. In addition, the NRC has specified a minimum ground shaking level to which the plants must be designed.

22. Where would I get IOSAT Potassium Iodide if my city should experience fallout from the Japanese nuclear disaster? Is this the right precaution or is there anything else that can be done to protect myself?

We do not expect any U.S. states or territories to experience harmful levels of radioactivity. As such, we do not believe that there is any need for residents of the United States to take potassium iodide. U.S. residents should listen to the protective action decisions by their states and counties. If necessary, protective action decisions could include actions such as sheltering, evacuating, or taking potassium iodide.

Additional information regarding the use of potassium iodide can be found on NRC's webpage at the following link:

<http://www.nrc.gov/about-nrc/emerg-preparedness/about-emerg-preparedness/potassium-iodide-use.html>

Since Potassium Iodide is classified as a drug. Additional information is on the Food and Drug Administration's web site. www.fda.gov

23. My loved one is overseas, how do I find out if they are ok?

We are directing public inquiries with regard to concern for loved ones overseas to the State Department, Consular Services at 202-647-7004.

From: Janbergs, Holly
To: Hasan, Nasreen
Subject: Items of Interest 3/11
Date: Tuesday, March 15, 2011 7:13:00 PM

Nasreen,

OPA will not be submitting our usual Items of Interest this week. If you would like to include a bulletin from OPA, it should read along the following lines:

OPA's efforts this week have been dedicated to handling inquiries regarding the unfolding situation in Japan.

Thank you,
Bethany

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-916

From: [Janbergs, Holly](#)
To: drobenson@ecdops.org
Subject: Re: Updated Press Release Information
Date: Tuesday, March 15, 2011 6:46:00 PM

Mr. Robinson,

The NRC will not be issuing a new press release on radiation levels tonight. However, the EPA will be releasing a statement shortly that will further discuss radiation in the U.S. and will offer the public a way to monitor levels in their particular areas.

Please let me know if you have any further questions.

Thank you,
Bethany

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-97

From: [Couret, Ivonne](#)
To: [Janbergs, Holly](#); [Landau, Mindy](#)
Subject: FW: EPA STATEMENT
Date: Tuesday, March 15, 2011 6:39:49 PM

-----Original Message-----

From: McIntyre, David
Sent: Tuesday, March 15, 2011 6:30 PM
To: Uselding, Lara; Harrington, Holly; Burnell, Scott; Couret, Ivonne; Hannah, Roger; Mitlyng, Viktoria; Chandrathil, Prema; Screnci, Diane; Sheehan, Neil
Subject: EPA STATEMENT

This should be on the EPA website soon! I'll add it to Web EOC and show it to the ET. Note data is ONLINE!

EPA STATEMENT:

As the U.S. Nuclear Regulatory Commission has said, we do not expect to see radiation at harmful levels reaching the U.S. from damaged Japanese nuclear power plants. As part of the federal government's continuing effort to make our activities and science transparent and available to the public, the Environmental Protection Agency (EPA) will continue to keep all RadNet data available in the current online database. In addition, EPA plans to work with its federal partners to deploy additional monitoring capabilities to parts of the western U.S. and U.S. territories.

As always, EPA is utilizing this existing nationwide radiation monitoring system, RadNet, which continuously monitors the nation's air and regularly monitors drinking water, milk and precipitation for environmental radiation. The RadNet online searchable database contains historical data of environmental radiation monitoring data from all fifty states and U.S. territories.

###

NOTE: RadNet air monitoring data can be always be viewed on EPA's Central Data Exchange (CDX) website at www.epa.gov/cdx.

Adora Andy
Deputy Associate Administrator
U.S. Environmental Protection Agency
Office of External Affairs and Environmental Education
202-564-2715
andy.adora@epa.gov

I-98

Shannon, Valerie

From: Shannon, Valerie
Sent: Tuesday, March 15, 2011 10:43 AM
To: 'Ivonne Couret'
Subject: call

Please call Jessica Resnick from Bloomberg News
Phone Number: 212-617-3058 ~~7-576~~
Re: Emergency Plans

Shannon, Valerie

From: Shannon, Valerie
Sent: Tuesday, March 15, 2011 11:15 AM
To: 'Ivonne Couret'
Subject: Reporter

Call Aron Diamond from WTMJ TV in Milwaukee, WI.

Phone Number: 414-254-5321 ~~EX6~~

Re: Inspection Reports

Shannon, Valerie

From: Shannon, Valerie
Sent: Tuesday, March 15, 2011 11:28 AM
To: Brenner, Eliot; Burnell, Scott
Cc: 'Ivonne Couret'
Subject: TV Inter

Jacqueline Eckmann is requesting an on-camera interview with the Chairman this afternoon.

Phone Number: 202-466-8793 ~~JE~~6

Org: Dutch Public TV

E-Mail: Jacqueline.eckmann@nos.nl

Thanks, Val

I-101

From: [Janbergs, Holly](#)
To: [Harrington, Holly](#)
Subject: RE: Do we have any information on the Thursday hearing yet?
Date: Tuesday, March 15, 2011 6:24:00 PM

Thanks

From: Harrington, Holly
Sent: Tuesday, March 15, 2011 6:24 PM
To: Janbergs, Holly
Subject: RE: Do we have any information on the Thursday hearing yet?

New: Nuclear Crisis in Japan

Senate Environment and Public Works Committee (Chairwoman Boxer, D-Calif.) will hold a briefing on the ongoing crisis associated with nuclear power facilities in Japan, including potential ramifications for the United States. 3:30 p.m., 406 Dirksen

From: Janbergs, Holly
Sent: Tuesday, March 15, 2011 6:18 PM
To: Harrington, Holly
Subject: Do we have any information on the Thursday hearing yet?

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-102

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 4:52 PM
To: Couret, Ivonne
Subject: Chattanooga Times Free Press- Deadline: COB Today for tomorrow's paper

Call from Pam Sohn
Organization: Chattanooga Times Free Press
Number: 423-757-6346
E-mail: psohn@timesfreepress.com

Question:

She was on a call with Union of Concerned Scientist (and one other group she couldn't recall) and they had stated that the last 3 earthquakes were all larger than anyone had thought..... She wants to know what was the earthquake rating that TVA had to have in order to receive approved license and renewed license. What, if any, is the NRC looking to change any regulatory requirements?

Deadline: COB Today for tomorrow's paper

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 4:56 PM
To: Couret, Ivonne
Subject: Huffington Post - NY

Call from: Chris Kirkham
Organization: Huffington Post – NY
Number: 646-274-2444

Questions re: Diablo Canyon (lawsuit in the 80's)

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 4:59 PM
To: Couret, Ivonne
Subject: Science World

Call from: Karina Hamalainen
Organization: Science World magazine (audience: middle and high school students)
Number: (212-343-4786)
e-mail: Khamalainen@scholastic.com

Question: background on nuclear power, information on events in Japan

I-105

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 5:06 PM
To: Couret, Ivonne
Subject: ABC News

Call from: Anna Maria
Organization: ABC News
Number: (212-456-1206)
E-mail: anna.maria.x.barryjester.-nd@abc.com

Question:

- What is the thickness of the walls of the containment vessel of GE Hitachi design?
- What is the comparison to the Japanese Reactor (Fukushima) – is it the same?

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 5:14 PM
To: Screnci, Diane; Burnell, Scott
Cc: Couret, Ivonne
Subject: AP (New York) - Jim Fitzgerald

Call from: Jim Fitzgerald
Organization: AP (New York)
Number: (917-446-8695)

Questions re: Indian Point
Deadline – approaching...

Looking for Diane and Neil (he left messages)

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 5:27 PM
To: Couret, Ivonne
Subject: Quesiton: Cost to Build NPP (Similar to Japanese Reactor)

Call from: Lindsey Larson
Organization: Coloradoan
Number: 970-224-7754
E-mail: Lindsey.larson@coloradoan.com

Question: how much does it cost to build a nuclear power plant, particularly one that houses 6 reactors, similar to the Japanese reactor.

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 5:31 PM
To: Couret, Ivonne
Subject: AP, New Hampshire - Question: wants to know if Seabrook is located or near a fault line.

Call from Kathy McCormack
Organization: AP, New Hampshire
Number: 603-224-3327
E-mail: kmccormack@ap.org

Question: wants to know if Seabrook is located or near a fault line.

From: [Courret, Ivonne](#)
To: [Janbergs, Holly](#)
Subject: FW: Response from "Contact the NRC Web Site Staff"
Date: Tuesday, March 15, 2011 5:11:09 PM

-----Original Message-----

From: OPA Resource
Sent: Tuesday, March 15, 2011 2:55 PM
To: Courret, Ivonne
Subject: FW: Response from "Contact the NRC Web Site Staff"

-----Original Message-----

From: NRCWEB Resource
Sent: Tuesday, March 15, 2011 1:57 PM
To: OPA Resource
Subject: FW: Response from "Contact the NRC Web Site Staff"

Please respond.

Thanks
Sally

-----Original Message-----

From: Terry [<mailto:winterseasonsgolf@gmail.com>]
Sent: Tuesday, March 15, 2011 11:02 AM
To: NRCWEB Resource
Subject: Response from "Contact the NRC Web Site Staff"

rel

Below is the result of your feedback form. It was submitted by

Terry (winterseasonsgolf@gmail.com) on Tuesday, March 15, 2011 at 11:01:53

comments: Should the west coast worry about nuclear radiation transferred in storm systems from Japan to the US?

organization: Winter Seasons Golf

address1:

address2:

city: Silver Spring

state: MD

zip: 20902

country: us

phone:

I-110

From: Janbergs, Holly
To: winterseasonsgolf@gmail.com *rel*
Subject: Re: Radiation Question
Date: Tuesday, March 15, 2011 5:16:00 PM

Terry,

We understand your concerns. At this time, given the results of the monitoring and distance between Japan and Hawaii, Alaska, U.S. Pacific Territories and the U.S. West Coast, the NRC expects the U.S. to AVOID any harmful levels of radioactivity. If you are interested in following the NRC response to the situation in Japan, you can do so on our public website through our press releases and public blog:

<http://www.nrc.gov/reading-rm/doc-collections/news/2011/>

<http://public-blog.nrc-gateway.gov/>

I hope this answers your question.

Thank you,
Bethany

Beth Janbergs
Public Affairs Assistant
301-415-8211

From: Couret, Ivonne
To: mary.schramer@wtas.com
Cc: OPA Resource
Subject: NRC REPLY - RE: Radiation Question
Date: Tuesday, March 15, 2011 4:18:45 PM

Mr. Schramer,

We understand your concerns. At this time, given the results of the monitoring and distance between Japan and Hawaii, Alaska, U.S. Pacific Territories and the U.S. West Coast, the NRC expects the U.S. to AVOID any harmful levels of radioactivity. Below are some answers to frequently asked questions and links with more information.

Is it safe to fly?

Yes. If events were to evolve into a situation that would result in travel being unsafe, a no fly zone would be established.

My loved one is overseas, how do I find out if they are ok?

We are directing public inquiries with regard to concern for loved ones overseas to the State Department, Consular Services at 202-647-7004.

How do I protect myself against radiation?

Get information and Be Informed through citizen guide at ready.gov

<http://www.ready.gov/america/beinformed/index.html>

<http://www.ready.gov/america/beinformed/shelter.html>

I trust this provides requested information.

Ivonne Couret
Public Affairs Officer
Office of Public Affairs

-----Original Message-----

From: OPA Resource
Sent: Tuesday, March 15, 2011 1:59 PM
To: Couret, Ivonne
Subject: FW: Radiation Question

-----Original Message-----

From: mary.schramer@wtas.com [<mailto:mary.schramer@wtas.com>]
Sent: Tuesday, March 15, 2011 1:33 PM
To: OPA Resource
Subject: Radiation Question

Below is the result of your feedback form. It was submitted by

(mary.schramer@wtas.com) on Tuesday, March 15, 2011 at 13:32:41

comments: Should we on the west coast be concerned with radioactivity fallout from Japan? How do we prepare? How much time do we have before it arrives?

contactName: Mary Schramer

I-111

phone:

From: [OPA Resource](#)
To: [Janbergs, Holly](#)
Subject: FW: Monitoring the radiation plume from Japan's damaged reactors
Date: Tuesday, March 15, 2011 6:21:14 PM

-----Original Message-----

From: wills@pdxjustice.org [<mailto:wills@pdxjustice.org>]
Sent: Tuesday, March 15, 2011 4:22 PM
To: OPA Resource
Cc: wills@pdxjustice.org
Subject: Monitoring the radiation plume from Japan's damaged reactors

Dear NRC friends,

Does the NRC or some other US government agency currently track the plume of radiation coming off of the damaged Japanese nuclear reactors, and is that information being made available to the public via a website? This seems like the very least the US government should be doing to inform the citizenry of the potential dangers, or lack of dangers, from the ongoing crisis in Japan's nuclear power industry.

Many thanks,

Regards,

William R. Seaman
Portland, OR
503-888-7455

I-112

From: Janbergs, Holly
To: wills@poxjustice.org
Subject: Re: Radiation Question
Date: Tuesday, March 15, 2011 6:43:00 PM

Mr. Seaman,

The EPA has just released the following statement:

EPA STATEMENT:

As the U.S. Nuclear Regulatory Commission has said, we do not expect to see radiation at harmful levels reaching the U.S. from damaged Japanese nuclear power plants. As part of the federal government's continuing effort to make our activities and science transparent and available to the public, the Environmental Protection Agency (EPA) will continue to keep all RadNet data available in the current online database. In addition, EPA plans to work with its federal partners to deploy additional monitoring capabilities to parts of the western U.S. and U.S. territories.

As always, EPA is utilizing this existing nationwide radiation monitoring system, RadNet, which continuously monitors the nation's air and regularly monitors drinking water, milk and precipitation for environmental radiation. The RadNet online searchable database contains historical data of environmental radiation monitoring data from all fifty states and U.S. territories.

###

NOTE: RadNet air monitoring data can be always be viewed on EPA's Central Data Exchange (CDX) website at www.epa.gov/cdx.

--

I hope that this will provide you with the information you are looking for.

Thank you,
Bethany

Beth Janbergs
Public Affairs Assistant
301-415-8211

T-113

From: OPA Resource
To: Janbergs, Holly
Subject: FW: Response from "Contact the NRC Web Site Staff"
Date: Tuesday, March 15, 2011 6:17:02 PM

-----Original Message-----

From: NRCWEB Resource
Sent: Tuesday, March 15, 2011 3:32 PM
To: OPA Resource
Subject: FW: Response from "Contact the NRC Web Site Staff"

-----Original Message-----

From: Marshall Wise CLU, ChFC, MBA [<mailto:marshall@marshallwise.com>]
Sent: Tuesday, March 15, 2011 2:50 PM
To: NRCWEB Resource
Subject: Response from "Contact the NRC Web Site Staff"

Re

Below is the result of your feedback form. It was submitted by

Marshall Wise CLU, ChFC, MBA (marshall@marshallwise.com) on Tuesday, March 15, 2011 at 14:49:41

comments: In regard to the nuclear reactor disaster situation in Japan, would liquid nitrogen or massive amounts of ice be useful in cooling the core?

organization:

address1: 132 East 35 Street

address2: Suite 15C

city: New York

state: NY

zip: 10016

country: USA

phone: 2126790486

Re

I-114

ml
From: drobinson@ecdops.org
To: [Janbergs, Holly](mailto:Janbergs.Holly)
Subject: Re: Updated Press Release Information
Date: Tuesday, March 15, 2011 7:05:31 PM

Ms. Janbergs,

Thank-you for the prompt reply. I will monitor the EPA site for public information. Good luck and God speed to your fellow NRC employees that are deployed.

Sent from my Verizon Wireless BlackBerry

From: "Janbergs, Holly" <Holly.Janbergs@nrc.gov>
Date: Tue, 15 Mar 2011 18:46:17 -0400
To: drobinson@ecdops.org<drobinson@ecdops.org> *ml*
Subject: Re: Updated Press Release Information

Mr. Robinson,

The NRC will not be issuing a new press release on radiation levels tonight. However, the EPA will be releasing a statement shortly that will further discuss radiation in the U.S. and will offer the public a way to monitor levels in their particular areas.

Please let me know if you have any further questions.

Thank you,
Bethany

Beth Janbergs
Public Affairs Assistant
301-415-8211

T-115

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 1:33 PM
To: Couret, Ivonne
Subject: Dow Jones - Questions on plant safety

Call from: Naureen Malik
Organization: Dow Jones
Number: (12-416-4210)

Questions on plant safety

I-116

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 1:36 PM
To: Couret, Ivonne
Subject: RE: Request - define Transcients - Bloomberg News in Tokyo

Not really...

From: Couret, Ivonne
Sent: Tuesday, March 15, 2011 1:25 PM
To: Steger (Tucci), Christine
Subject: FW: Request - define Transcients - Bloomberg News in Tokyo

Do you know what she is saying can you dumb it down? Ivonne

From: Shoop, Undine
Sent: Tuesday, March 15, 2011 12:26 PM
To: Steger (Tucci), Christine
Cc: Couret, Ivonne
Subject: RE: Request - define Transcients - Bloomberg News in Tokyo

Transients are usually referred too as the response of the reactor to postulated equipment failures or malfunctions. As part of the application for operating a nuclear power plant, licensees must analyze for these postulated events to demonstrate that the reactor can be safely operated and public health and safety is protected.

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 12:01 PM
To: Shoop, Undine
Cc: Couret, Ivonne
Subject: Request - define Transcients - Bloomberg News in Tokyo
Importance: High

Call from: Maki Kitamura
Organization: Bloomberg News in Tokyo
Number: 813-3201-8482
E-mail: mkitamura1@bloomberg.net

Wuestion: NUREG 1150 report from 1990 – would like to define “transients”

Deadline request: within the hour

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 1:50 PM
To: Couret, Ivonne
Subject: Request Information: Exposure Levels (Need in 20 minutes before airtime)

Importance: High

Call from: Janel Benham
Organization: Fox News
Number: (310-571-2090)

Question: would like information on exposure levels, effects, impacts – difference between exposure levels of 5 days – impacts/risks of death

(Need in 20 minutes before airtime)

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 1:55 PM
To: Couret, Ivonne
Subject: Daily - NY (Question about design requirements)

Call from: Mike Cronin
Organization: Daily – NY
Number: (212-462-5589)
E-mail: mike.cronin@thedaily.com

Question: Does the NRC have a design requirement for earthquake endurance - such as "the reactors must withstand 7.0 earthquake"

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 2:15 PM
To: Couret, Ivonne
Subject: NPR Los Angeles - Request Interview with Peter Bradford

Call from: Lauren Osen
Organization: NPR Los Angeles
Number: (626-583-5173)

Request Phone Interview with Peter Bradford

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 2:35 PM
To: Couret, Ivonne
Subject: CBS News (Sacramento) InPerson interview today

Call from: Jonas Tichenor
Organization: CBS News (Sacramento)
Number: 916-416-4627

In-Person interview – is this possible in Sacramento today
Deadline: need by 5:00pm Pacific Time

I-121

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 2:43 PM
To: Couret, Ivonne
Subject: FW: Daily - NY (Question about design requirements, wind patterns, radioactivity in the atmosphere)

New Questions:

- Wants to develop an image of the wind patterns from Japan to U.S. – best and worst case scenarios
- How much radioactivity is in the atmosphere?

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 1:55 PM
To: Couret, Ivonne
Subject: Daily - NY (Question about design requirements)

Call from: Mike Cronin
Organization: Daily – NY
Number: (212-462-5589)
E-mail: mike.cronin@thedaily.com

Question: Does the NRC have a design requirement for earthquake endurance - such as “the reactors must withstand 7.0 earthquake”

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 2:51 PM
To: Couret, Ivonne
Subject: Washington Times - Cheryl Wetzstein

Call from: Cheryl Wetzstein
Organization: Washington Times
Number (202-636-3189)
E-mail: cwetzstein@washingtontimes.com

Question:

- Interested in information on the experts NRC sent to Japan
- What are the impacts/risks on people – radioactivity in the atmosphere
- General Information about the mission of the NRC Experts

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 3:02 PM
To: Couret, Ivonne
Subject: Reuters: Question about radiation levels in Japan

Call from: Ayesha Ross
Organization: Reuters
Number: (202-310-5683)

Question about radiation levels in Japan

I-124

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 3:48 PM
To: Couret, Ivonne
Subject: USAID

U.S. Agency for International Development

Office of Press Relations
Ronald Reagan Building
Washington, D.C. 20523-0016
Telephone: 202-712-4320
FAX: 202-216-3524

I-125

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 4:15 PM
To: Harrington, Holly
Cc: Brenner, Eliot; Couret, Ivonne
Subject: CBS News - Request Interview with NRC Experts on the ground in Japan.

Call from: Laura Strickler
Organization: CBS News
Number: (202-457-1597)
E-mail: stricklerl@cbsnews.com

Request Interview with NRC Experts on the ground in Japan.

I-126

Wittick, Susan

From: Wittick, Susan
Sent: Tuesday, March 15, 2011 5:14 PM
To: Harrington, Holly; McIntyre, David; Taylor, Robert
Cc: Droggitis, Spiros
Subject: FW: Do you have info on thursday Senate hearing? time?

Follow Up Flag: Follow up
Flag Status: Flagged

Holly – info thanks to Spiros . . .

From: Droggitis, Spiros
Sent: Tuesday, March 15, 2011 5:11 PM
To: Wittick, Susan
Subject: RE: Do you have info on thursday Senate hearing? time?

Just out: 3:30

New: **Nuclear Crisis in Japan**

Senate Environment and Public Works Committee (Chairwoman Boxer, D-Calif.) will hold a briefing on the ongoing crisis associated with nuclear power facilities in Japan, including potential ramifications for the United States. 3:30 p.m., 406 Dirksen

From: Wittick, Susan
Sent: Tuesday, March 15, 2011 5:07 PM
To: Droggitis, Spiros
Subject: RE: Do you have info on thursday Senate hearing? time?

Thanks! OPA was wondering, so thought I could help. Holly will be contacting Becky. Perhaps she has some updated info. Thanks for checking.

From: Droggitis, Spiros
Sent: Tuesday, March 15, 2011 5:06 PM
To: Wittick, Susan
Subject: RE: Do you have info on thursday Senate hearing? time?

Just checked the Committee website and they do not show anything yet. There is another hearing advertised, so who knows, it could replace that one or maybe it is in the pm.

From: Wittick, Susan
Sent: Tuesday, March 15, 2011 5:02 PM
To: Droggitis, Spiros
Subject: RE: Do you have info on thursday Senate hearing? time?

Ok, thanks.

From: Droggitis, Spiros
Sent: Tuesday, March 15, 2011 5:02 PM
To: Wittick, Susan
Subject: RE: Do you have info on thursday Senate hearing? time?

I-127

None, just that it is before the Senate Committee on Environment and Public Works. My guess is 9:30 or 10:00am. I'd ask Becky/Amy.

From: Wittick, Susan

Sent: Tuesday, March 15, 2011 5:00 PM

To: Droggitis, Spiros

Subject: Do you have info on thursday Senate hearing? time?

Shannon, Valerie

From: Shannon, Valerie
Sent: Tuesday, March 15, 2011 3:17 PM
To: Brenner, Eliot
Subject: Federal News Transcript

Eliot,

I just spoke with Federal News and they see two House Energy & Commerce Hearings tomorrow.

1. DOE & NRC Budget
2. Made in America – Increasing Jobs in Export & Trade

The DOE & NRC Budget could run between 2/3 hours and a cost estimate is \$975 for same day and \$885 for next day.

Please let me know what you want to do?

Val

I-128

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 8:44 AM
To: Couret, Ivonne
Subject: Deadline: 11:00am - update on radiation release (confirmation if things have/have not changed since yesterday)

Call from: Hannah Northey
Organization: Greenwire
Number: (202-446-0468)

Question: Update to radiation release/exposure in U.S. (confirmation if things have/have not changed since yesterday)

Deadline: 11:00am

I-129

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 8:46 AM
To: Couret, Ivonne
Subject: NBC News (NY)

Call from: Bill Dedmon
Organization: NBC News (NY)
Number: (203-451-9995)

Request to speak with someone re: Updated on Seismic Risk numbers for Eastern and Central U.S.
Deadline: 5:00pm EST

I-130

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 8:50 AM
To: Couret, Ivonne
Subject: NJ Department of Environmental Protection

Call from: James McCullough
NJ Department of Environmental Protection
Number: (609-984-5480)

I had referred a citizen call earlier this morning to this department and the department called NRC to direct the caller back to us.... What should we do in this situation?

Question from citizen is: daughter is flying from Thailand to New York – wants to know if it is safe to fly

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 9:23 AM
To: Couret, Ivonne
Subject: FBR Capital Market - Request Phone Interview deadline 12 noon

Call from: Marc DeCroisset
Organization: FBR Capital Market
Number: (646-885-5423)

Request Phone Interview: Nuclear Expert – general information on the events taking place in Japan

Deadline: 12 noon

I-132

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 9:34 AM
To: Couret, Ivonne
Subject: Request Interview - BBC News, London (deadline 12:00 noon)

Call from Kate Stephens
Organization: BBC News, London
Number (44) 208-624-8806
E-mail: Kate.Stephens@bbc.co.uk

Request Interview: with NRC or another Think Tank
Focus: Would like to know more information about what the NRC experts will be doing in Japan
Deadline: 12 noon

I-133

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 9:36 AM
To: Couret, Ivonne
Subject: Request Interview - Voice of America (deadline 2:00 pm)

Call from: Alex Grigoryev
Organization: Voice of America
Number (240-678-8842)

Request Interview: Expert (2 minutes)
Focus: general information on events in Japan, impacts on the public in surrounding areas

Deadline: 2:00pm EST

I-134

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 9:47 AM
To: Couret, Ivonne
Subject: Associated Press

Call from: Randy Schmidt
Organization: Associated Press
Number: (202-641-9460)

Question: Tracking radiation from Japan to U.S. – latest information

Deadline: ASAP

I-135

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 9:55 AM
To: Couret, Ivonne
Subject: Reuters - deadline asap

Call from: Ayesha Rascoe
Organization: Reuters
Number: (202-310-5683)

Focus: Latest information and background of events in Japan
Deadline: ASAP

I-136

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 10:04 AM
To: Couret, Ivonne
Subject: Request Phone Interview - Stars and Stripes Newspaper

Call from: Chris Carol
Organization: Stars and Stripes Newspaper
Number (202-761-0728)

Request Phone Interview: 10-15 minutes
Focus: Risk of explosion at Reactor in Japan – risk to military bases and surrounding areas.
Deadline: Mid-late afternoon today

I-137

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 10:07 AM
To: Couret, Ivonne
Subject: 24/7 Wallstreet - Question re: Inspection Matrix

Call from: Jonathon Berr
Organization: 24/7 Wallstreet
Number: (609-518-7670)

Question re: Inspection Matrix

I-138

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 10:41 AM
To: Couret, Ivonne
Subject: Request Information -Deadline: 4:00pm today

Call from: Spencer Hunt
Organization: Columbus Dispatch
Number: (614-469-6051)

Question: Update on Duke Energy proposed plant in Ohio
Deadline: 4:00pm today

I-139

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 10:24 AM
To: Couret, Ivonne
Subject: NewsDay

Call from: Ridgley Ochs
Organization: NewsDay
Number: (631-843-3410)

Request information on radiation sickness; how much does it take to damage – impact on health; events in Japan vs. events that occurred at Chernobyl

Deadline: COB Today for story tomorrow.

I-140

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 10:43 AM
To: Burnell, Scott
Cc: Couret, Ivonne
Subject: Call from Len Tepper - CBS

Call from: Len Tepper
Organization: CBS
Number: (212-975-6883)

Scott – he requested to speak with you, spoke with you this morning. Wants to know if he can use the information you provided him??

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 10:52 AM
To: Couret, Ivonne
Subject: Request In Person Interview - Rachel Maddow Show - MSNBC

Call from: Andrew Dallos
Organization: Rachel Maddow, MSNBC 9pm show
Number: (201-572-0952)
E-mail: Andrew.dallos@nbc.uni.com

Request in-person interview for tonight's show at 9pm in NY.

I-142

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 10:45 AM
To: Couret, Ivonne
Subject: Request Interview - Deadline today - Dutch Public Broadcasting

Call from: Jacqueline Eckman
Organization: Dutch Public Broadcasting
Number: (202-466-8793)
Located in DC

Request Interview: Expert - talk about security and safety; events in Japan
Deadline: Today (sooner the better)

I-143

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 11:01 AM
To: Couret, Ivonne
Subject: Scranton Times Tribune Deadline: 5:00pm EST

Call from: Laura Legere
Organization: Scranton Times Tribune
Number (570-348-9100 Ext. 5184

Question: Impact on regulatory reviews if any, as a result of events in Japan
Deadline: 5:00pm EST

I-144

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 11:03 AM
To: Couret, Ivonne
Subject: American Meteorological Society in D.C.

Call from: Wendy Thomas
Organization: American Meteorological Society in D.C.
Number: (202-355-9820)

Wants to know contact information to include in press release for her distribution – who is the official agency to report radiation numbers.

I-145

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 11:13 AM
To: Couret, Ivonne
Subject: International Broadcaster from Germany - in person interview

Call from: Max Hoffman
Organization: International Broadcaster from Germany
Number (202-600-6781)

In-person TV interview – today, Wednesday or Thursday
Focus: Hope Creek

I-146

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 11:34 AM
To: Couret, Ivonne
Subject: Interview Request NPR

Call from: Eliza Barclay
Organization: NPR
Number: (202-513-2775)

Request interview with Chuck Casto

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 11:18 AM
To: Couret, Ivonne
Subject: International Business Times - Deadline COB today

Call from: Jesse Edmspak
Organization: International Business Times
Number: (646-461-6917)

Questions:

1. How many plants are located in seismic areas?
2. What are the design requirements?

Deadline: COB Today

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 11:38 AM
To: Nguyen, Quynh; Meighan, Sean
Cc: Couret, Ivonne
Subject: RE: Query - Call from Westinghouse Request to share New Reg. CR with Japan

412-496-9362

From: Steger (Tucci), Christine
Sent: Monday, March 14, 2011 3:30 PM
To: Nguyen, Quynh; Meighan, Sean
Cc: Couret, Ivonne
Subject: Query - Call from Westinghouse Request to share New Reg. CR with Japan
Importance: High

Question:

Quynh – I am working up in OPA for the next few days. Received a call from Jim Andrachek at Westinghouse. He wanted to know if he could share the following New Reg. CR's with counterparts in Japan:

- 4906 P
- 4294
- 4821
- 5167

Can you direct me to someone who may be able to assist??

Jim Andrachek
Westinghouse
412-4963-9362

Thanks,
Christine

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 11:44 AM
To: Couret, Ivonne
Subject: CNN - request information

Call from: Cassie Spodak
Organization: CNN
Number (212-275-8615)
E-mail: cassie.spodak@cnn.com

Request Information: how much nuclear energy each state uses

I-150

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 11:51 AM
To: Couret, Ivonne; Harrington, Holly
Subject: Request Interview - Good Morning America - George Stephanopoulos

Call from: Emily Stanitz
Organization: Good Morning America - George Stephanopoulos
Number: (202-407-5135)

Request for Interview – spoke with Holly and Eliot yesterday
Interview with Chairman tomorrow Wednesday morning at 7:00-7:30am LIVE
If Chairman is unavailable, they are open to hearing other options

I-157

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 11:58 AM
To: Couret, Ivonne
Subject: CCTV English – TV

Call from Joe Ball
Organization: CCTV English – TV
Number: (202-413-9374)

Request to speak with Scott, Ivonne or Holly

I-152

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 12:01 PM
To: Couret, Ivonne
Subject: Information Request

Call from: Chikage Windler
Organization: Meteorologist, KSTT Minnesota
Number: (763-258-3441)

Question: receiving a lot of questions from media/public – re: radiation from Japan to the U.S.

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 12:15 PM
To: Couret, Ivonne
Subject: CTI TV Washington Bureau - Request in person interview

Call from: John Zang
Organization: CTI TV Washington Bureau
Number 301-792-8883

Request in person interview: Expert to discuss events in Japan
Deadline: ASAP – said they are located nearby and can drop in at any time.....

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 12:51 PM
To: Couret, Ivonne
Cc: Shoop, Undine
Subject: RE: Request - define Transients - Bloomberg News in Tokyo

Ivonne – do you want me to forward her this information?

From: Shoop, Undine
Sent: Tuesday, March 15, 2011 12:26 PM
To: Steger (Tucci), Christine
Cc: Couret, Ivonne
Subject: RE: Request - define Transients - Bloomberg News in Tokyo

Transients are usually referred too as the response of the reactor to postulated equipment failures or malfunctions. As part of the application for operating a nuclear power plant, licensees must analyze for these postulated events to demonstrate that the reactor can be safely operated and public health and safety is protected.

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 12:01 PM
To: Shoop, Undine
Cc: Couret, Ivonne
Subject: Request - define Transients - Bloomberg News in Tokyo
Importance: High

Call from: Maki Kitamura
Organization: Bloomberg News in Tokyo
Number (813-3201-8482)
E-mail: mkitamura1@bloomberg.net

Wuestion: NUREG 1150 report from 1990 – would like to define “transients”

Deadline request: within the hour

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 1:07 PM
To: Couret, Ivonne
Subject: Request Information on Flight Arrival to film in Japan

Call from: Brandon Lambert
Organization: Fuji TV
Number: (202-812-5689)

Request Information – would like to know the flight information of the NRC experts flying into Japan. Would like to film their arrival;

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 1:10 PM
To: Couret, Ivonne
Subject: Request Information - States EP Plans

Call from: Kelly Cuculiansky
Organization: Daytona Beach News Journal
Number: 386-681-2462
E-mail: Kelly.Cuculiansky@news-jrnl.com

Request information on what other states are doing with regards to EP plans. Request information on events in Japan

Deadline: 4:00pm today

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 1:01 PM
To: Janbergs, Holly
Subject: B-Roll Request

Call from: Lee Russ
Organization: Fox News
Number: (202-297-6509)

Request for additional B-Roll

I-158

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 1:28 PM
To: Couret, Ivonne
Subject: CBS News 60 minutes

Call from: Rachel Kun
Organization: CBS News 60 minutes
Number: (212-975-7974)
e-mail: kunr@cbsnews.com

Request to interview team on the ground in Japan.
Feature would air on Sunday.

I-159

Steger (Tucci), Christine

From: Steger (Tucci), Christine
Sent: Tuesday, March 15, 2011 1:32 PM
To: Burnell, Scott
Subject: Steven Clark - Fox News

Call from: Steven Clark
Organization: Fox News
Number: (202-715-1691)

Question about iodine pills – specifically asked for Scott.

J-160

Deavers, Ron

From: Harrington, Holly
Sent: Tuesday, March 15, 2011 9:32 PM
To: Deavers, Ron
Subject: RE: Internal Call Center

Follow Up Flag: Follow up
Flag Status: Completed

Can you come to OPA Wednesday morning? We're going to stand this up asap. I'll be in by 8:30 a.m.

From: Deavers, Ron
Sent: Tuesday, March 15, 2011 9:52 AM
To: Harrington, Holly
Subject: RE: Internal Call Center

I Holly,

I am available to help.

Thanks,

Ron Deavers
Project Manager, OIS/BPIAD/PMT1
Owfn - 6C5
301-415-7301
Ron.Deavers@nrc.gov

From: Harrington, Holly
Sent: Monday, March 14, 2011 11:57 PM
To: Jasinski, Robert; Landau, Mindy; Tobin, Jennifer; Zuberi, Sardar; Ridge, Christianne; Deavers, Ron
Subject: Internal Call Center

There is a chance we will start up a small Internal Call Center to answer calls from the public concerned about radiation, etc.

It is not certain, but possible. I'll be looking for help staffing the center. You will have a script to use and will be located in TWFN Fourth Floor conference room.

Please let me know if you'll have availability/interest in doing this.

Mindy – can you spread the word through the Communication Council, too. The more volunteers the better . . .

Thank you,

Holly

Shannon, Valerie

From: Shannon, Valerie
Sent: Tuesday, March 15, 2011 7:23 AM
To: Burnell, Scott; Brenner, Eliot
Cc: 'Ivonne Couret'
Subject: Interview

Natasha from Channel 4 is requesting an interview. Please call her on 202-885-4267.->

I-162

Shannon, Valerie

From: Shannon, Valerie
Sent: Tuesday, March 15, 2011 12:42 PM
To: 'Ivonne Couret'
Subject: FW: Message from Krista Braun @ CNBC

From: Wright, Darlene
Sent: Tuesday, March 15, 2011 12:34 PM
To: Shannon, Valerie; OPA Resource
Subject: Message from Krista Braun @ CNBC

I tried to transfer the call but got a busy signal.

She wants to schedule an interview with one of the Commissioners regarding testimony at tomorrow's hearing.

Please call 201-735-3170) or e-mail her - Krista.Braun@NBCUNI.com

Ex6

I-163

Shannon, Valerie

From: Shannon, Valerie
Sent: Tuesday, March 15, 2011 12:22 PM
To: Burnell, Scott; McIntyre, David
Cc: 'Ivonne Couret'
Subject: Call from Washington Post

Call Rob Stein from the Washington Post

Phone Number: 202-334-7338 - ~~Ex 6~~

Re: Potassium Iodide.

Val

I-164

Shannon, Valerie

From: Shannon, Valerie
Sent: Tuesday, March 15, 2011 11:34 AM
To: 'Ivonne Couret'
Subject: Associated Press Cal

Please call Chris Kahn from the Associated Press in New York

Phone Number: 212-621-7826 ~~Ex 6~~

Re: Nuclear Spent Fuel

Val

I-165

Shannon, Valerie

From: Shannon, Valerie
Sent: Tuesday, March 15, 2011 11:55 AM
To: 'Ivonne Couret'
Subject: Call

Call from Jasper Rischen

From: NOS TV in New York

Phone Number: 212-470-6003 ~~ESD~~

Re: TMI (he tried to get in touch with Diane but she did not answer)

Val

I-166

Deavers, Ron

From: Deavers, Ron
Sent: Wednesday, March 16, 2011 1:06 PM
To: Bonaccorso, Amy; Harrington, Holly
Subject: RE: Information Request
Attachments: image001.jpg

I agree this is not the responsibility of NRC.

What should we tell them , Holly?

From: Bonaccorso, Amy
Sent: Wednesday, March 16, 2011 1:04 PM
To: Deavers, Ron
Subject: FW: Information Request

Ron:

Any ideas on this one? Should it go to Holly for guidance?

I don't think NRC would be doing this if it was being done.

Thanks,

Amy

From: Akstulewicz, Brenda
Sent: Wednesday, March 16, 2011 12:37 PM
To: Deavers, Ron; Bonaccorso, Amy
Subject: Information Request

Rubin Crosslin
Tenn. Division Radiological Health
615-532-0424
Ruben.crosslin@tn.gov
Are we monitoring visitors from Japan for radiation?

Brenda Akstulewicz
Administrative Assistant
Office of Public Affairs
301-415-8209
brenda.akstulewicz@nrc.gov



From: Mitlyng, Viktoria
To: Harrington, Holly; Brenner, Eliot; Burnell, Scott; Couret, Ivonne; Hayden, Elizabeth; McIntyre, David; Chandrathil, Prema; Dricks, Victor; Hannah, Roger; Ledford, Joey; Screnci, Diane; Sheehan, Neil; Uselding, Lara
Cc: Janbergs, Holly
Subject: Re: Bethany's Quick Review of Testimony
Date: Wednesday, March 16, 2011 9:55:45 PM

Thank you for providing us with this summary. It's very useful since most of us couldn't take the time to watch the testimony today.
(Sent from my Blackberry)

From: Harrington, Holly
To: Brenner, Eliot; Burnell, Scott; Couret, Ivonne; Hayden, Elizabeth; McIntyre, David; Chandrathil, Prema; Dricks, Victor; Hannah, Roger; Ledford, Joey; Mitlyng, Viktoria; Screnci, Diane; Sheehan, Neil; Uselding, Lara
Cc: Janbergs, Holly
Sent: Wed Mar 16 18:57:58 2011
Subject: Bethany's Quick Review of Testimony

Bethany spent most of the day watching the testimony today. I understand we'll be getting full transcript soon (not sure by what process), but I asked Bethany to compile what appeared to be the major questions/comments posed to the Chairman:

Sen. Boxer: You're doing nothing new. Other countries are responding to the situation, but I don't see anything proactive being done in the U.S. I have two plants in California that were built based on 1970s assumptions. It's 2011. I know there's at least one new report on seismic activity we haven't seen action on. My fellow senator and I want to see more leadership from the NRC than we've gotten.

Reps. Whitfield/Markey/Doyle: Have you had an opportunity to review John Ma's concerns on the AP1000 design? What was the process that took place following his objections?

Rep. Shimkus: I don't believe your actions on Yucca Mountain were consistent with your legal authority. Federal position by law is that Yucca should be open, and there is no legal authority to close the repository. The only decision that's been rendered is that of the administration to pull funding. I hope you're well-prepared to have a further debate on the legal authority of the NRC in this regard.

Rep. Markey: Does the NRC recommend use of KI in emergency situations in the United States? It should be your position to recommend it, as State and local government officials don't have the expertise to do so.

Rep. Markey: We need to re-examine the idea of "maximum credible earthquake."

Rep. Dingell: You have an unholy mess on your hands with the Yucca Mountain situation. Are there any long-term plans to handle the repository matter anywhere in the government?

Reps. Rush/Cassidy/Dingell: Do our plants' safety standards adequately address the types

T-168

of problems we've seen in Japan, where there were multiple cascading events?

Reps. Cassidy: Do our plants' safety standards adequately address the problems that can occur with loss of site power?

From: Janbergs, Holly
To: Burnell, Scott
Subject: Jaczko Interview Request
Date: Wednesday, March 16, 2011 6:52:00 PM

Erica Hill from the Early Show on CBS would like Jaczko to do a live spot in their morning show from 7-9 to update on the situation in Japan. She's also willing to pretape. I told her it was not likely but I would put her name into the queue.

hille@cbsnews.com
917-445-8243

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-169

From: [Janbergs, Holly](#)
To: [Harrington, Holly](#)
Subject: RE: Senate Hearing Qs
Date: Wednesday, March 16, 2011 6:45:00 PM

The following are the big questions/comments from the House and Senate hearings today:

Sen. Boxer: You're doing nothing new. Other countries are responding to the situation, but I don't see anything proactive being done in the U.S. I have two plants in California that were built based on 1970s assumptions. It's 2011. I know there's at least one new report on seismic activity we haven't seen action on. My fellow senator and I want to see more leadership from the NRC than we've gotten.

Reps. Whitfield/Markey/Doyle: Have you had an opportunity to review John Ma's concerns on the AP1000 design? What was the process that took place following his objections?

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Rep. Markey: We need to re-examine the idea of "maximum credible earthquake."

Rep. Dingell: You have an unholy mess on your hands with the Yucca Mountain situation. Are there any long-term plans to handle the repository matter anywhere in the government?

Reps. Rush/Cassidy/Dingell: Do our plants' safety standards adequately address the types of problems we've seen in Japan, where there were multiple cascading events?

Reps. Cassidy: Do our plants' safety standards adequately address the problems that can occur with loss of site power?

From: [Harrington, Holly](#)
Sent: Wednesday, March 16, 2011 5:50 PM
To: [Janbergs, Holly](#)
Subject: RE: Senate Hearing Qs

Sorry. These are going by and I know they're good. Can you capture the key ones from the house and the senate and resent to me? I'll send around to staff

From: [Janbergs, Holly](#)
Sent: Wednesday, March 16, 2011 5:46 PM
To: [Harrington, Holly](#)

I-1710

Subject: Senate Hearing Qs

Missed the first few minutes while typing up qs from House hearing, so I missed Boxer's apparently brutal first round of questions to Borchardt.

Inhofe: Do you agree with Chu's statements on safety of plants?

Jaczk: We work every day to keep plants safe and secure, but we'll input any lessons learned

Inhofe: Did you coordinate with him on statements?

Jaczk: We're an independent body but we're working with gov't on assisting Japan

Inhofe: Assistance?

Jaczk: 11 experts, working with regulators, make suggestions & recommendations on equipment and strategies, etc

Sanders: (list of issues in Japan, discussion of US Mark I reactors, quotes NYT GE article about warnings on design)

Sanders: Will NRC reevaluate its recommendation on VY's extension?

Jaczk: Modifications will be based on what we learn; if we find info that says changes needed, we'll input it

Sanders: (NYT quote again about warnings)

Jaczk: Yes, there have been concerns, but we think we've made changes to improve. There are two specific ones to that design to deal with some problems. We believe we have a good system & program in place

Sanders: I'm sure you do but VT is not reassured

Lautenberg: NYT article discusses warnings – how did these Mark I plants manage to get built?

Jaczk: I believe some came into service after 1972. But they're not exactly the same; like planes that may be vintage but still fly because systems have been upgraded & modifications made.

Lautenberg: Airplanes are not a fair analogy, and you show poor judgment in using that. This situation is scaring everyone; what can be done to assure safety? Would you license a new plant based on this design?

Jaczk: I don't want to speculate on a specific design, it's a process

Lautenberg: Do you think a licensee would want to?

Jaczk: We don't have detailed info on what happened in Japan yet, so I don't know

Lautenberg: In Japan they have a lot of experience with their plants; are you saying these upgrades you mentioned weren't done?

Jaczk: I don't know what upgrades they do in Japan

Lautenberg: They thought they could handle it and that wasn't the case. How can we know?

Jaczk: We have systematic program to monitor safety & systems of plants, we do analysis to look at accidents, we plan for things. After 9/11 changes were made to deal with attacks but those end up supporting accident scenarios too

Carper: NRC encourages safety culture but we want to see it at all plants.

Carper: How can we put lessons learned to work?

Jaczk: At this pt no detailed plan yet, important to approach it systematically & methodically – use good facts so we can make good decisions

Carper: A lot of folks weren't alive for Chernobyl & TMI; could you explain differences?

Jaczko: This is serious situation that will continue for some time, we don't know how it will unfold yet. TMI had mechanical probs & human error, core had some melting contained w/ structure. Chernobyl was different event, large release of radioactive material in very short span of time + explosion. (analogy) difference between popping a balloon and having a balloon leak over long period of time

Carper: How many people died from Chernobyl?

Jaczko: Unsure of numbers; for tmi no direct fatalities

Carper: How many lives have been lost from nuke plants?

Jaczko: none from plants. Sometimes radiation contamination occurs in supporting industries.

Carper: that's a good record, but we can still do better

Gillibrand: Nation faces other risk than physical – cyberterrorism, etc

Jaczko: We have program in place to deal with cyber security. Most systems don't involve digital systems, but licensees still have to come up with plans to deal with cyber issues

Gillibrand: What kind of modifications will be made?

Jaczko: security-wise, I can't get specific

Gillibrand: We should increase redundancies for outages

Jaczko: Robust security requirements, conduct exercises to protect plants from external threats, all plants post-9/11 implemented procedures & equipment to mitigate fires & explosions – industry also prestages other equipment they might need

Gillibrand: (cites msnbc piece on report published re: NRC only having detailed seismic data on plant fragility for 1/3 of plants)

Jaczko: Unfamiliar with that piece, but we've been working on updated analysis for central & eastern plants. We're always looking for new info and then make a determination if immediate action needs to be taken – in this case no

Gillibrand: Can you retrofit or enhance old plants to make them safer in light of reviews?

Jaczko: If necessary that's what we'll do

Gillibrand: How long would that take?

Jaczko: I don't want to speculate, but there are no immediate safety concerns

Boxer: Please don't compare what happened in Japan to airplanes

Jaczko: I was likening the way models are retrofitted, that's all

Boxer: You said dealing with a situation like what happened in Japan is straightforward – it just involves cooling the plant. So what went wrong?

Jaczko: I don't want to speculate

Boxer: Either you are criticizing Japan or you're leaving a lot of questions for US unanswered.

Boxer: Tell me about seriousness of seismic activity and how many plants are in each zone

Jaczko: We'll give you that info

Boxer: LA Times said a CA tsunami could come without warning. I'm very concerned. This Japanese plant was built to withstand some things and got worse events. Given the stakes, this is worrying. 7 million people live close to San Onofre; ½ million near Diablo Canyon. You've suggested Americans move 50 miles from Fukushima. Feinstein and I want an immediate look at our plants. Go back and read the 2008 report that there could be new issues at San Onofre, and get back to me.

Boxer: You're doing nothing new. All the other countries are doing things, but I don't hear anything proactive. Why shouldn't I be worried?

Jaczko: We're going to be looking at what happens in Japan, we're not doing nothing

Boxer: Isn't this a warning that we should be humbled. Is not issuing new license too much to ask? I need reassurance

Jaczko: We're going to move forward w/ review. I don't know Japanese review system. We have a lot of safeguards to deal with unknown unknowns

Boxer: I have 2 plants in CA built w/ 1970s assumptions. It's 2011. I'm telling you there's at least 1 new report we haven't seen action on. Feinstein and I are gonna follow up on this; we want more leadership than we've gotten

Lautenberg: Should we restudy evacuation routes? What's a safe distance for families? Have we found changes in climate?

Jaczko: Those are all issues we want to consider. We'll have to see what happened in Japan and what worked. I've never seen this agency shy away from making a change. Even just local changes in weather patterns can affect plants, and we make those changes. What you express are things I worry about and try to make sure there are programs to deal with that are well grounded in scientific fact.

Lautenberg: How close were our warships that noted elevated rad ratings?

Jaczko: My understanding is 100 mi away, they received low-level radiation not unexpected and consistent with cooling process.

Lautenberg: Does that tell us something about kind of risk

Jaczko: I'm aware of rad detection at levels not harmful to public health & safety

(Boxer asks for rad monitoring info in Japan, Jaczko says he will provide)

Beth Janbergs
Public Affairs Assistant
301-415-8211

Deavers, Ron

From: Deavers, Ron
Sent: Wednesday, March 16, 2011 12:50 PM
To: Harrington, Holly
Cc: Bonaccorso, Amy
Subject: Public question about waste confidence

6
Hi Holly,

Kara Colton
Energy Community Alliance
703-864-3520
Re: Dry Cask

This caller has questions about Waste Confidence that I do not understand. Is there someone who can talk to her?

Thanks,

Ron Deavers

I-17M

Deavers, Ron

From: OST05 Hoc
Sent: Wednesday, March 16, 2011 2:54 PM
To: LIA04 Hoc; LIA12 Hoc; LIA07 Hoc; LIA01 Hoc; LIA02 Hoc; LIA03 Hoc; LIA05 Hoc; LIA06 Hoc; LIA08 Hoc; LIA09 Hoc; LIA10 Hoc; LIA11 Hoc
Cc: Harrington, Holly; Akstulewicz, Brenda; Deavers, Ron; Bonaccorso, Amy
Subject: PUBLIC INQUIRY CONTACTS IN OPA

Follow Up Flag: Follow up
Flag Status: Completed

In the event you have not already received this message, per NRC's Office of Public Affairs, please forward by email any public Qs and contact information you receive and are unable to answer to the following individuals - Ron.Deavers@nrc.gov and Amy.Bonaccorso@nrc.gov - with a cc to Holly. Harrington@nrc.gov and Brenda.Akstulewicz@nrc.gov

Rosetta
State Liaison
NRC Operations Center

I-172

From: Janbergs, Holly
To: Burnell, Scott
Subject: Asahi Shimbun
Date: Wednesday, March 16, 2011 6:14:00 PM

Daniel Longo from Asahi called; apparently they sent an email through OPA resource and never heard back. He's looking to discuss recent NRC recommendations to increase evacuation zone, and what our standards are there. His deadline is about 9 pm.

202-783-1000
d.longo@asahiam.com

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-173

From: [Deavers, Ron](#)
To: [Landau, Mindy](#)
Cc: [Janbergs, Holly](#); [Harrington, Holly](#)
Subject: FW: CBS Inquiry on Safety for Our Reporters
Date: Wednesday, March 16, 2011 5:54:19 PM
Importance: High

Forwarding to Mindy per Holly Harrington.

From: Janbergs, Holly
Sent: Wednesday, March 16, 2011 5:53 PM
To: Deavers, Ron
Subject: FW: CBS Inquiry on Safety for Our Reporters
Importance: High

From: OPA Resource
Sent: Wednesday, March 16, 2011 10:58 AM
To: Janbergs, Holly
Subject: CBS Inquiry on Safety for Our Reporters
Importance: High

From: Strickler, Laura [<mailto:StricklerL@cbsnews.com>]
Sent: Wednesday, March 16, 2011 12:36 AM
To: OPA Resource
Subject: CBS Inquiry on Safety for Our Reporters

Hello-

Off the record - we are checking with you and anyone else at NRC to see if there are any additional precautions we should take with our teams on the ground in Japan based on changing conditions within the last six hours.

This is not a news request, it's a safety inquiry.

We are trying to determine the best route for the network - can someone/anyone at NRC call our National Desk tonight with any updated guidance at 212-975-4114, we are trying to make some immediate decisions.

Any guidance from the experts at NRC would be most appreciated, thank you very much,

Sorry to bother you so late,

Laura Strickler, CBS News
917-499-6459 cell

I-174

From: Janbergs, Holly
To: mblood@ap.org
Subject: Re: Earthquake Risk Assessments
Date: Wednesday, March 16, 2011 5:51:00 PM

Mr. Blood,

I understand you are looking for the August 2010 estimates of earthquake risk at nuclear power reactors in central and eastern states. You can find that report by going to our public document database, ADAMS, here:

<http://adamspublic.nrc.gov/fnopenclient/>

Click on "Public Library," then "Search" in the upper righthand corner. In the dropdown menu, select "Package Search." The Accession number for the package is ML100270582. Contained within that package are all the documents that comprise this study.

Please let me know if you have any further questions.

Thank you,
Bethany

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-175

Shannon, Valerie

From: Shannon, Valerie
Sent: Wednesday, March 16, 2011 4:01 PM
To: Burnell, Scott
Subject: Media Call

Please call Vanessa Peele from MSNBC

Phone: 212-413-6854 ~~Ex 6~~

Re: She is on deadline and is wanting clarification about what the Chairman said at the hearing today

Deavers, Ron

From: OST05 Hoc
Sent: Wednesday, March 16, 2011 12:25 PM
To: Nguyen, Quynh; Flannery, Cindy; Lukes, Kim; Noonan, Amanda; Rautzen, William; Rivera, Alison; Ryan, Michael; Turtill, Richard; Virgilio, Martin
Cc: Bonaccorso, Amy; Deavers, Ron; Harrington, Holly
Subject: Response

Follow Up Flag: Follow up
Flag Status: Completed

Just noting that the response below can be used to respond to State requests at this time.

Quynh – Can this be put up on the SharePoint site you are developing?

Although we typically provide the state with nonpublic pre-decisional information and security related information (including safeguards information) related to the nuclear power plants in your state, due to the international nature of the event coupled with the difficulty of receiving clear, consistent, and accurate information from another country during their ongoing crisis, the NRC is unable to provide information on the magnitude of the release. We can say, that at this time, it does not appear that harmful levels of radiation will reach any part of the U.S., including Alaska and Hawaii.

1-177

Deavers, Ron

From: Deavers, Ron
Sent: Wednesday, March 16, 2011 5:36 PM
To: Harrington, Holly; Akstulewicz, Brenda; Shannon, Valerie; Wittick, Susan; Landau, Mindy; Janbergs, Holly; Taylor, Robert; Sheehan, Neil; Brenner, Eliot; Burnell, Scott; Couret, Ivonne; Hayden, Elizabeth; McIntyre, David
Cc: michael.widomski@dhs.gov; Tobin, Jennifer; Bonaccorso, Amy
Subject: RE: Schedule for Thursday -- please let me know if this does not work for you. Thank you to our loanees!

I can be in by 8:30 and Jennifer will be in by 9

From: Harrington, Holly
Sent: Wednesday, March 16, 2011 5:33 PM
To: Akstulewicz, Brenda; Shannon, Valerie; Wittick, Susan; Landau, Mindy; Janbergs, Holly; Taylor, Robert; Sheehan, Neil; Brenner, Eliot; Burnell, Scott; Couret, Ivonne; Hayden, Elizabeth; McIntyre, David
Cc: michael.widomski@dhs.gov; Tobin, Jennifer; Bonaccorso, Amy; Deavers, Ron
Subject: Schedule for Thursday -- please let me know if this does not work for you. Thank you to our loanees!

Eliot: 7:30/8 -- ?
Holly: ??

Op Center:
Dave: 7:30 a.m.- 6:30 p.m.
Rob: noon to 10 p.m.
Michael Widomski: 8-6 (loan from FEMA/general support in Op Center)
Scott: noon-8/9/10

Phones:
Brenda: 7:30 – 6 p.m.
Val: 6:45 – 4:30 p.m.
Munira: 8-6
Deanna Royer: 8-5

Misc.
Susan Wittick: 8:15 a.m. to 5 p.m. (loan from OCA)
Bethany: 9 a.m. – 6 p.m.
Nancy Stills 9-6 (loan from FEMA; working on project with “fact checking”)

Media Desk:

Ivonne: 9-7
Mindy: 8 a.m.- 6 p.m. (backing up Ivonne when necessary)

Public Inquiries (moving to touchdown stations on 17th floor)

Amy Bonaccorso: 8 a.m. - 4:30 p.m.
Ron Deavers/Jenny Tobin – (combined) 8-6:30 (loan)

I-178

Overnight Op Center: Neil: 10 p.m. to 8 a.m.

Deavers, Ron

From: Harrington, Holly
Sent: Wednesday, March 16, 2011 9:00 AM
To: Akstulewicz, Brenda; Shannon, Valerie; Landau, Mindy; Ellmers, Glenn; Janbergs, Holly; Brenner, Eliot; Burnell, Scott; Couret, Ivonne; Hayden, Elizabeth; McIntyre, David; Chandrathil, Prema; Dricks, Victor; Hannah, Roger; Ledford, Joey; Mitlyng, Viktoria; Screnci, Diane; Sheehan, Neil; Uselding, Lara
Cc: Bonaccorso, Amy; Deavers, Ron
Subject: Public Inquiries

Follow Up Flag: Follow up
Flag Status: Completed

For today, if you get public inquiries via phone that you do not want to or can't get to, please take a message and forward to:

Ron.deavers@nrc.gov and amy.bonaccorso@nrc.gov .

You may also forward e-mail messages to these two addresses as well.

Pls cc Brenda and myself

I-179

Deavers, Ron

From: Operations Center Bulletin
Sent: Wednesday, March 16, 2011 12:51 PM
To: Operations Center Bulletin
Subject: UPDATE: NRC IS RESPONDING TO JAPANESE EVENTS

THIS IS NOT A DRILL

The Office of Public Affairs is expecting a large volume of calls from media and the general public regarding the latest statements from the State Department and the NRC regarding the situation in Japan. ALL CALLS from media or the general public on this topic must be referred to Regional Public Affairs or the 301-415-8200 number for HQ employees.

THIS IS NOT A DRILL

*****Event Information is Attached*****

The NRC is responding to an event.

Please contact the NRC Executive Support Team if necessary at 301-816-5100 or reply to this e-mail.

E-180

Deavers, Ron

From: Harrington, Holly
Sent: Wednesday, March 16, 2011 5:41 PM
To: Deavers, Ron
Subject: RE: Schedule for Thursday -- please let me know if this does not work for you. Thank you to our loanees!

Follow Up Flag: Follow up
Flag Status: Completed

Thank you

From: Deavers, Ron
Sent: Wednesday, March 16, 2011 5:36 PM
To: Harrington, Holly; Akstulewicz, Brenda; Shannon, Valerie; Wittick, Susan; Landau, Mindy; Janbergs, Holly; Taylor, Robert; Sheehan, Neil; Brenner, Eliot; Burnell, Scott; Couret, Ivonne; Hayden, Elizabeth; McIntyre, David
Cc: michael.widomski@dhs.gov; Tobin, Jennifer; Bonaccorso, Amy
Subject: RE: Schedule for Thursday -- please let me know if this does not work for you. Thank you to our loanees!

I can be in by 8:30 and Jennifer will be in by 9

From: Harrington, Holly
Sent: Wednesday, March 16, 2011 5:33 PM
To: Akstulewicz, Brenda; Shannon, Valerie; Wittick, Susan; Landau, Mindy; Janbergs, Holly; Taylor, Robert; Sheehan, Neil; Brenner, Eliot; Burnell, Scott; Couret, Ivonne; Hayden, Elizabeth; McIntyre, David
Cc: michael.widomski@dhs.gov; Tobin, Jennifer; Bonaccorso, Amy; Deavers, Ron
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Eliot: 7:30/8 -- ?

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Op Center:

Dave: 7:30 a.m.- 6:30 p.m.

Rob: noon to 10 p.m.

Michael Widomski: 8-6 (loan from FEMA/general support in Op Center)

Scott: noon-8/9/10

Phones:

Brenda: 7:30 – 6 p.m.

Val: 6:45 – 4:30 p.m.

Munira: 8-6

Deanna Royer: 8-5

Misc.

Susan Wittick: 8:15 a.m. to 5 p.m. (loan from OCA)

Bethany: 9 a.m. – 6 p.m.

Nancy Stills 9-6 (loan from FEMA; working on project with "fact checking")

Media Desk:

Deavers, Ron

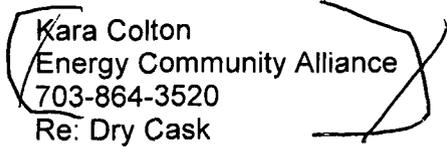
From: Harrington, Holly
Sent: Wednesday, March 16, 2011 12:59 PM
To: Deavers, Ron
Cc: Bonaccorso, Amy
Subject: RE: Public question about waste confidence

Follow Up Flag: Follow up
Flag Status: Completed

 I'll handle

From: Deavers, Ron
Sent: Wednesday, March 16, 2011 12:50 PM
To: Harrington, Holly
Cc: Bonaccorso, Amy
Subject: Public question about waste confidence

Hi Holly,

 Kara Colton
Energy Community Alliance
703-864-3520
Re: Dry Cask

This caller has questions about Waste Confidence that I do not understand. Is there someone who can talk to her?

Thanks,

Ron Deavers

I-182

Deavers, Ron

From: LIA04 Hoc
Sent: Wednesday, March 16, 2011 3:49 PM
To: Deavers, Ron; Bonaccorso, Amy
Cc: OST05 Hoc; McNamara, Nancy
Subject: FW: Questions NRC RI Is Receiving - RESPONSE NEEDED ASAP

Importance: High

Follow Up Flag: Follow up
Flag Status: Completed

Ron and Amy:

You may wish to touch base with our PMT folks for insights. I can't help on this.

Richard Turtill
State Liaison – Liaison Team
Incident Response Center

From: McNamara, Nancy
Sent: Wednesday, March 16, 2011 3:24 PM
To: LIA04 Hoc; OST05 Hoc
Subject: Questions NRC RI Is Receiving - RESPONSE NEEDED ASAP
Importance: High

1. How is it that the NRC has always defined the emergency planning zone to be out to 10 miles based on worse case scenarios, yet they just recommended a 50 mile evacuation?
2. What does a PAR out to 50 miles say about the current 10 mile EPZ used here in the United States?

Deavers, Ron

From: Deavers, Ron
Sent: Wednesday, March 16, 2011 3:56 PM
To: Harrington, Holly
Cc: Bonaccorso, Amy
Subject: Power Reactor question

What should be the answer to this one? The caller is interested in which new nuclear power plant will come online first. Is this information outside of our control and knowledge?

Abby
Bank of America – NY
646-855-5059

Re: What is the first new plant that is coming online.

I-184

Deavers, Ron

From: McIntyre, David
Sent: Wednesday, March 16, 2011 6:33 PM
To: McNamara, Nancy; LIA04 Hoc; Deavers, Ron; Bonaccorso, Amy
Cc: OST05 Hoc; Screnci, Diane; Burnell, Scott
Subject: RE: News Article

Follow Up Flag: Follow up
Flag Status: Completed

Thanks. OPA folks have been working this piece of junk all day.

From: McNamara, Nancy
Sent: Wednesday, March 16, 2011 6:32 PM
To: LIA04 Hoc; McIntyre, David; Deavers, Ron; Bonaccorso, Amy
Cc: OST05 Hoc; Screnci, Diane
Subject: RE: News Article

It was written by an MSNBC investigative reporter.

From: LIA04 Hoc
Sent: Wednesday, March 16, 2011 6:30 PM
To: McIntyre, David; Deavers, Ron; Bonaccorso, Amy
Cc: OST05 Hoc; Screnci, Diane; McNamara, Nancy
Subject: FW: News Article

This is fyi from RI. I've placed Diane on cc although it was provided to her.

Nancy: What is the source of this article? NYTimes, Web Blog of some kind ????

From: McNamara, Nancy
Sent: Wednesday, March 16, 2011 6:25 PM
To: LIA04 Hoc; OST05 Hoc; Harrington, Holly
Subject: News Article

This is the article that is generating a lot of concern/discussion w/NY. Since this is Region I, I will pass along to Diane Screnci, OPA, Region I. For now, we've talked w/NY and they are good.

What are the odds? US nuke plants ranked by quake risk

What are the odds that a nuclear emergency like the one at Fukushima Dai-ichi could happen in the central or eastern United States? They'd have to be astronomical, right? As a pro-nuclear commenter on msnbc.com put it this weekend, "There's a power plant just like these in Omaha. If it gets hit by a tsunami...."

It turns out that the U.S. Nuclear Regulatory Commission has calculated the odds of an earthquake causing catastrophic failure to a nuclear plant here. Each year, at the typical nuclear reactor in the U.S., there's a 1 in 74,176 chance that the core could be damaged by an earthquake, exposing the public to radiation. That's 10 times more likely than you winning \$10,000 by buying a ticket in the Powerball multistate lottery, where the chance is 1 in 723,145.

And it turns out that the nuclear reactor in the United States with the highest risk of core damage from a quake is not the Diablo Canyon Power Plant, with its twin reactors tucked between the California coastline and the San Andreas Fault.

It's not the San Onofre Nuclear Generating Station, a four-hour drive down the Pacific coast at San Clemente, surrounded by fault lines on land and under the ocean.

It's not on the Pacific Coast at all. It's on the Hudson River.

One in 10,000

The reactor with the highest risk rating is 24 miles north of New York City, in the village of Buchanan, N.Y., at the Indian Point Energy Center. There, on the east bank of the Hudson, Indian Point nuclear reactor No. 3 has the highest risk of earthquake damage in the country, according to new NRC risk estimates provided to msnbc.com.

So much for San Andreas: Reactors in East, Midwest, South have highest chance of damage
A ranking of the 104 nuclear reactors is shown at the bottom of this article, listing the NRC estimate of risk of catastrophic failure caused by earthquake.

The chance of a core damage from a quake at Indian Point 3 is estimated at 1 in 10,000 each year. Under NRC guidelines, that's right on the verge of requiring "immediate concern regarding adequate protection" of the public. The two reactors at Indian Point generate up to one-third of the electricity for New York City. The second reactor, Indian Point 2, doesn't rate as risky, with 1 chance in 30,303 each year.

The plant with the second highest risk? It's in Massachusetts. Third? Pennsylvania. Then Tennessee, Pennsylvania again, Florida, Virginia and South Carolina. Only then does

California's Diablo Canyon appear on the list, followed by Pennsylvania's Three Mile Island.

Overall, the new estimates mean that nuclear power plants built in the areas usually thought of as earthquake zones, such as the California coastline, are no longer those with the highest risk of damage from an earthquake.

Other plants in the East, South and Midwest, where the design standards may have been lower because the earthquake risk was thought to be low, have moved to the top of the NRC's danger list.

The chance ranges from Indian Point's 1 in 10,000, all the way up to 1 in 500,000 each year at the Callaway plant in Fulton, Missouri.

Playing the odds

The NRC, the federal agency responsible for nuclear power safety, says the odds are in the public's favor. "Operating nuclear power plants are safe," the NRC said when it reported the new risk estimates.

Every plant is designed with a margin of safety beyond the strongest earthquake anticipated in that area, the NRC says.

But the NRC also says the margin of safety has been reduced.

In the 35 years since Indian Point 3 got its license to operate in 1976, the same era when most of today's U.S. nuclear reactors were built, geologists have learned a lot about the dangers of earthquakes in the eastern and central U.S.

No one alive now has memories of the South Carolina quakes of 1886, which toppled 14,000 chimneys in Charleston and were felt in 30 states. Or the New Madrid quakes of 1811-1812 in Missouri and Arkansas — the big one made the Mississippi River run backward for a time.

But the geologists and seismologists remember, learning their history from rocks, and steadily raising their estimates of the risk of severe quakes. New faults are found, and new computer models change predictions for how the ground shakes. The latest estimates are drawn from the 2008 maps of the U.S. Geological Survey. Of special note, the USGS said, was an allowance for waves of large earthquakes in the New Madrid fault area

roughly centered on the Missouri Bootheel, as well as inclusion of offshore faults near Charleston, S.C., and new data from the mountains of East Tennessee. With each new map, the areas of negligible risks have receded.

Based on those new maps, the NRC published in August 2010 new estimates of the earthquake risk at nuclear power reactors in the eastern and central states. Besides the proximity, severity and frequency of earthquakes, the new estimates take into account the design standards used at each plant, along with the type of rock or soil it's built on. This week, the NRC provided additional data to msnbc.com for the relatively few reactors in the Western states, allowing a ranking to be made of all 104 reactors with the latest data.

The top 10

Here are the 10 nuclear power sites with the highest risk of suffering core damage from an earthquake, showing their NRC risk estimates based on 2008 and 1989 geological data. (The full list of 104 reactors is below.)

1. Indian Point 3, Buchanan, N.Y.: 1 in 10,000 chance each year. Old estimate: 1 in 17,241. Increase in risk: 72 percent.

advertisement U.S. Geological Survey Based on 1982 data, a map of earthquake damage risk in the continental United States. The highest risk areas are red, yellow and purple. U.S. Geological Survey Based on 1969 data, a map of earthquake damage risk in the continental United States. The highest risk areas are red and yellow.

2. Pilgrim 1, Plymouth, Mass.: 1 in 14,493. Old estimate: 1 in 125,000. Increase in risk: 763 percent.

3. Limerick 1 and 2, Limerick, Pa.: 1 in 18,868. Old estimate: 1 in 45,455. Increase in risk: 141 percent.

4. Sequoyah 1 and 2, Soddy-Daisy, Tenn.: 1 in 19,608. Old estimate: 1 in 102,041. Increase in risk: 420 percent.

5. Beaver Valley 1, Shippingport, Pa.: 1 in 20,833. Old estimate: 1 in 76,923. Increase in risk: 269 percent.

6. Saint Lucie 1 and 2, Jensen Beach, Fla.: 1 in 21,739. Old estimate: N/A.

7. North Anna 1 and 2, Louisa, Va.: 1 in 22,727. Old estimate: 1 in 31,250. Increase in risk: 38 percent.

8. Oconee 1, 2 and 3, Seneca, S.C.: 1 in 23,256. Old estimate: 1 in 100,000. Increase in risk: 330 percent.

9. Diablo Canyon 1 and 2, Avila Beach, Calif.: 1 in 23,810. Old estimate: N/A.

10. Three Mile Island, Middletown, Pa.: 1 in 25,000. Old estimate: 1 in 45,455. Increase in risk: 82 percent.

A rising risk

Northeast of Chattanooga, Tenn., the Tennessee Valley Authority's Sequoyah 1 and 2 nuclear plants had been thought to have a risk of core damage from an earthquake happening once every 102,041 years. The new estimate is once every 19,608 years.

That kind of change was typical. Out of 104 reactors, the risk estimate declined at only eight. (There were 19 for which no older estimate was available for comparison.)

The increase in risk is so rapid that an NRC research task force in September sent two recommendations to NRC management:

First, it is time to move the issue over from the research staff to the regulatory staff, moving from study to action.

Second, start figuring out whether some nuclear power plants need a "backfit," or additional construction to protect them from earthquakes.

Another indication of how fast the risk estimates rose: The median, or middle value out of all 104 reactors, a measure of the risk at the typical plant, is now at a 1 in 74,176 chance each year of core damage from a quake. In the old estimate, it was 1 in 263,158. In other words, the estimated risk, though still low by NRC standards, has more than tripled.

What happens next?

This NRC process began in 2005 when its staff recommended taking a look at updated seismic hazards. It was late 2008 before NRC advertisement

staff started working with a contractor, Electric Power Research Institute, on the design of a study. Overall, it took five years and three months from the staff recommendation until the seismic task force submitted its report in August 2010.

One problem is a lack of data about the nuclear reactors themselves. The NRC task force said the agency has detailed data on what it calls plant fragility — the probability that the expected earthquake would damage the reactor's core — for only one-third of the nation's nuclear plants. That's because only the plants that had been thought to be in areas of higher seismic risk had done detailed studies. For the rest, the scientists had to estimate from other information submitted by plant operators.

Now the NRC is playing catch-up.

An NRC spokesman, Scott Burnell, said Tuesday that the NRC is preparing a letter to send to certain nuclear plants, asking them for the more detailed data on equipment, soil conditions and seismic preparedness. Then the plants and NRC staff will have an opportunity to analyze that data.

That process could stretch into 2012, Burnell said. Then the NRC will have to decide, he said, "where the ability to respond to seismic events can be improved."

In the middle of that process, perhaps late this year, a new round of geologic data will come out. That will be folded into new calculations.

Industry is "addressing that issue"
The nuclear power industry is watching this process. A document distributed to the public by the industry's Nuclear Energy Institute on Sunday, after the Japanese plant emergency began, referred to this NRC study and the possibility of changes, saying, "The industry is working with the NRC to develop a methodology for addressing that issue."

The industry statement did not mention that the study increased the estimates of earthquake risk for nearly every nuclear power plant in the U.S.

(One of the leading nuclear power companies, General Electric, which designed the reactors at Fukushima, is a part owner of NBCUniversal, which co-owns msnbc.com through a joint venture with Microsoft.)

Good odds or bad?
How much risk is too much? Is a roller coaster safe only if no one ever dies? If one passenger dies every 100 years? Every year?

When the NRC saw that the new earthquake maps had pushed the level of risk into the range between 1 in 100,000 and the more likely 1 in 10,000, that change was enough to study the issue further, the task force said in its report. But because the risks didn't go beyond 1 in 10,000, "there was no immediate concern regarding adequate protection." The advertisement

new estimates put Indian River right at that boundary, and a few others in reach.

By comparison, the chance of winning the grand prize in the next Powerball lottery: 1 in 195,249,054.

Ranking of nuclear reactors by earthquake damage risks

Here are the 104 nuclear power reactors in the United States, ranked by the NRC's estimate of the risk each year that an earthquake would cause damage to the reactor's core, releasing radiation.

Notes: Data come from the NRC's study of August 2010 on reactors in the central and eastern states, supplemented by data provided by the NRC to msnbc.com in March 2011. The table shows the risks calculated separately from 1989 and 2008 earthquake data from the U.S. Geological Survey. Ranks and changes in risk are calculated by msnbc.com. For the reactors in the western states, and a few others, the 1989 estimate was not provided to msnbc.com, so no change is calculated. The information in this list is also available in an Excel spreadsheet file. (See resources, below.)

Rank. Reactor, nearby city, state: Chance of event each year from 2008 data. Old estimate from 1989. Change in risk.

1. Indian Point 3, Buchanan, N.Y.: 1 in 10,000 chance each year. Old estimate: 1 in 17,241. Change in risk: 72 percent.

2. Pilgrim 1, Plymouth, Mass.: 1 in 14,493 chance each year. Old estimate: 1 in 125,000. Change in risk: 763 percent.

3. Limerick 1, Limerick, Pa.: 1 in 18,868 chance each year. Old estimate: 1 in 45,455. Change in risk: 141 percent.

3. Limerick 2, Limerick, Pa.: 1 in 18,868 chance each year. Old estimate: 1 in 45,455. Change in risk: 141 percent.

5. Sequoyah 1, Soddy-Daisy, Tenn.: 1 in

19,608 chance each year. Old estimate: 1 in 102,041. Change in risk: 420 percent.

5. Sequoyah 2, Soddy-Daisy, Tenn.: 1 in 19,608 chance each year. Old estimate: 1 in 102,041. Change in risk: 420 percent.

7. Beaver Valley 1, Shippingport, Pa.: 1 in 20,833 chance each year. Old estimate: 1 in 76,923. Change in risk: 269 percent.

8. Saint Lucie 1, Jensen Beach, Fla.: 1 in 21,739 chance each year. Old estimate: N/A. Change in risk: N/A.

8. Saint Lucie 2, Jensen Beach, Fla.: 1 in 21,739 chance each year. Old estimate: N/A. Change in risk: N/A.

10. North Anna 1, Louisa, Va.: 1 in 22,727 chance each year. Old estimate: 1 in 31,250. Change in risk: 38 percent.

10. North Anna 2, Louisa, Va.: 1 in 22,727 advertisement chance each year. Old estimate: 1 in 31,250. Change in risk: 38 percent.

12. Oconee 1, Seneca, S.C.: 1 in 23,256 chance each year. Old estimate: 1 in 100,000. Change in risk: 330 percent.

12. Oconee 2, Seneca, S.C.: 1 in 23,256 chance each year. Old estimate: 1 in 100,000. Change in risk: 330 percent.

12. Oconee 3, Seneca, S.C.: 1 in 23,256 chance each year. Old estimate: 1 in 100,000. Change in risk: 330 percent.

15. Diablo Canyon 1, Avila Beach, Calif.: 1 in 23,810 chance each year. Old estimate: N/A. Change in risk: N/A.

15. Diablo Canyon 2, Avila Beach, Calif.: 1 in 23,810 chance each year. Old estimate: N/A. Change in risk: N/A.

17. Three Mile Island 1, Middletown, Pa.: 1 in 25,000 chance each year. Old estimate: 1 in 45,455. Change in risk: 82 percent.

18. Palo Verde 1, Wintersburg, Ariz.: 1 in 26,316 chance each year. Old estimate: N/A. Change in risk: N/A.

18. Palo Verde 2, Wintersburg, Ariz.: 1 in 26,316 chance each year. Old estimate: N/A.

Change in risk: N/A.

18. Palo Verde 3, Wintersburg, Ariz.: 1 in 26,316 chance each year. Old estimate: N/A.
Change in risk: N/A.

18. Summer, Jenkensville, S.C.: 1 in 26,316 chance each year. Old estimate: 1 in 138,889.
Change in risk: 428 percent.

22. Catawba 1, York, S.C.: 1 in 27,027 chance each year. Old estimate: 1 in 33,333. Change in risk: 23 percent.

22. Catawba 2, York, S.C.: 1 in 27,027 chance each year. Old estimate: 1 in 33,333. Change in risk: 23 percent.

24. Watts Bar 1, Spring City, Tenn.: 1 in 27,778 chance each year. Old estimate: 1 in 178,571.
Change in risk: 543 percent.

25. Indian Point 2, Buchanan, N.Y.: 1 in 30,303 chance each year. Old estimate: 1 in 71,429.
Change in risk: 136 percent.

26. Duane Arnold, Palo, Iowa: 1 in 31,250 chance each year. Old estimate: N/A. Change in risk: N/A.

27. McGuire 1, Huntsville, N.C.: 1 in 32,258 chance each year. Old estimate: 1 in 35,714.
Change in risk: 11 percent.

27. McGuire 2, Huntsville, N.C.: 1 in 32,258 chance each year. Old estimate: 1 in 35,714.
Change in risk: 11 percent.

29. Farley 1, Columbia, Ala.: 1 in 35,714 chance each year. Old estimate: 1 in 263,158.
advertisement
Change in risk: 637 percent.

29. Farley 2, Columbia, Ala.: 1 in 35,714 chance each year. Old estimate: 1 in 263,158.
Change in risk: 637 percent.

31. Quad Cities 1, Cordova, Ill.: 1 in 37,037 chance each year. Old estimate: 1 in 71,429.
Change in risk: 93 percent.

31. Quad Cities 2, Cordova, Ill.: 1 in 37,037 chance each year. Old estimate: 1 in 71,429.
Change in risk: 93 percent.

33. River Bend 1, St. Francisville, La.: 1 in 40,000 chance each year. Old estimate: 1 in 370,370. Change in risk: 826 percent.

34. Peach Bottom 2, Delta, Pa.: 1 in 41,667 chance each year. Old estimate: 1 in 120,482. Change in risk: 189 percent.

34. Peach Bottom 3, Delta, Pa.: 1 in 41,667 chance each year. Old estimate: 1 in 120,482. Change in risk: 189 percent.

36. Crystal River 3, Crystal River, Fla.: 1 in 45,455 chance each year. Old estimate: 1 in 192,308. Change in risk: 323 percent.

36. Seabrook 1, Seabrook, N.H.: 1 in 45,455 chance each year. Old estimate: 1 in 114,943. Change in risk: 153 percent.

36. Beaver Valley 2, Shippingport, Pa.: 1 in 45,455 chance each year. Old estimate: 1 in 188,679. Change in risk: 315 percent.

39. Perry 1, Perry, Ohio: 1 in 47,619 chance each year. Old estimate: 1 in 1,176,471. Change in risk: 2371 percent.

39. Columbia 1, Richland, Wash.: 1 in 47,619 chance each year. Old estimate: N/A. Change in risk: N/A.

41. Waterford 3, Killona, La.: 1 in 50,000 chance each year. Old estimate: 1 in 833,333. Change in risk: 1567 percent.

42. Dresden 2, Morris, Ill.: 1 in 52,632 chance each year. Old estimate: 1 in 434,783. Change in risk: 726 percent.

42. Dresden 3, Morris, Ill.: 1 in 52,632 chance each year. Old estimate: 1 in 434,783. Change in risk: 726 percent.

42. Monticello, Monticello, Minn.: 1 in 52,632 chance each year. Old estimate: 1 in 38,462. Change in risk: -27 percent.

45. Wolf Creek 1, Burlington, Kansas: 1 in 55,556 chance each year. Old estimate: 1 in 400,000. Change in risk: 620 percent.

46. San Onofre 2, San Clemente, Calif.: 1 in 58,824 chance each year. Old estimate: N/A. Change in risk: N/A.

46. San Onofre 3, San Clemente, Calif.: 1 in 58,824 chance each year. Old estimate: N/A. Change in risk: N/A.

advertisement

48. Millstone 3, Waterford, Conn.: 1 in 66,667

chance each year. Old estimate: 1 in 100,000.
Change in risk: 50 percent.

48. Brunswick 1, Southport, N.C.: 1 in 66,667
chance each year. Old estimate: 1 in 263,158.
Change in risk: 295 percent.

48. Brunswick 2, Southport, N.C.: 1 in 66,667
chance each year. Old estimate: 1 in 263,158.
Change in risk: 295 percent.

48. Robinson 2, Hartsville, S.C.: 1 in 66,667
chance each year. Old estimate: 1 in 370,370.
Change in risk: 456 percent.

52. Oyster Creek, Forked River, N.J.: 1 in
71,429 chance each year. Old estimate: 1 in
126,582. Change in risk: 77 percent.

53. Fort Calhoun, Fort Calhoun, Neb.: 1 in
76,923 chance each year. Old estimate: N/A.
Change in risk: N/A.

53. Ginna, Ontario, N.Y.: 1 in 76,923 chance
each year. Old estimate: 1 in 238,095. Change
in risk: 210 percent.

53. Susquehanna 1, Salem Township, Pa.: 1 in
76,923 chance each year. Old estimate: 1 in
416,667. Change in risk: 442 percent.

53. Susquehanna 2, Salem Township, Pa.: 1 in
76,923 chance each year. Old estimate: 1 in
416,667. Change in risk: 442 percent.

57. Calvert Cliffs 2, Lusby, Md.: 1 in 83,333
chance each year. Old estimate: 1 in 116,279.
Change in risk: 40 percent.

57. D.C. Cook 1, Bridgman, Mich.: 1 in 83,333
chance each year. Old estimate: N/A. Change
in risk: N/A.

57. D.C. Cook 2, Bridgman, Mich.: 1 in 83,333
chance each year. Old estimate: N/A. Change
in risk: N/A.

57. Grand Gulf 1, Port Gibson, Miss.: 1 in
83,333 chance each year. Old estimate: 1 in
106,383. Change in risk: 28 percent.

57. Kewaunee, Kewaunee, Wis.: 1 in 83,333
chance each year. Old estimate: 1 in 71,429.
Change in risk: -14 percent.

62. Millstone 2, Waterford, Conn.: 1 in 90,909
chance each year. Old estimate: 1 in 156,250.
Change in risk: 72 percent.

62. Salem 1, Hancocks Bridge, N.J.: 1 in 90,909 chance each year. Old estimate: 1 in 172,414. Change in risk: 90 percent.

62. Salem 2, Hancocks Bridge, N.J.: 1 in 90,909 chance each year. Old estimate: 1 in 172,414. Change in risk: 90 percent.

62. Point Beach 1, Two Rivers, Wis.: 1 in 90,909 chance each year. Old estimate: 1 in 76,923. Change in risk: -15 percent.

62. Point Beach 2, Two Rivers, Wis.: 1 in advertisement
90,909 chance each year. Old estimate: 1 in 76,923. Change in risk: -15 percent.

67. Turkey Point 3, Homestead, Fla.: 1 in 100,000 chance each year. Old estimate: N/A. Change in risk: N/A.

67. Turkey Point 4, Homestead, Fla.: 1 in 100,000 chance each year. Old estimate: N/A. Change in risk: N/A.

67. Calvert Cliffs 1, Lusby, Md.: 1 in 100,000 chance each year. Old estimate: 1 in 142,857. Change in risk: 43 percent.

70. Vermont Yankee, Vernon, Vt.: 1 in 123,457 chance each year. Old estimate: 1 in 434,783. Change in risk: 252 percent.

71. Braidwood 1, Braceville, Ill.: 1 in 136,986 chance each year. Old estimate: 1 in 1,785,714. Change in risk: 1204 percent.

71. Braidwood 2, Braceville, Ill.: 1 in 136,986 chance each year. Old estimate: 1 in 1,785,714. Change in risk: 1204 percent.

73. Vogtle 1, Waynesboro, Ga.: 1 in 140,845 chance each year. Old estimate: 1 in 384,615. Change in risk: 173 percent.

73. Vogtle 2, Waynesboro, Ga.: 1 in 140,845 chance each year. Old estimate: 1 in 384,615. Change in risk: 173 percent.

75. Cooper, Brownville, Neb.: 1 in 142,857 chance each year. Old estimate: N/A. Change in risk: N/A.

76. Davis-Besse, Oak Harbor, Ohio: 1 in 149,254 chance each year. Old estimate: 1 in 625,000. Change in risk: 319 percent.

77. Palisades, Covert, Mich.: 1 in 156,250 chance each year. Old estimate: N/A. Change in risk: N/A.

78. South Texas 1, Bay City, Texas: 1 in 158,730 chance each year. Old estimate: 1 in 1,298,701. Change in risk: 718 percent.

78. South Texas 2, Bay City, Texas: 1 in 158,730 chance each year. Old estimate: 1 in 1,298,701. Change in risk: 718 percent.

80. FitzPatrick, Scriba, N.Y.: 1 in 163,934 chance each year. Old estimate: 1 in 833,333. Change in risk: 408 percent.

81. Byron 1, Byron, Ill.: 1 in 172,414 chance each year. Old estimate: 1 in 1,470,588. Change in risk: 753 percent.

81. Byron 2, Byron, Ill.: 1 in 172,414 chance each year. Old estimate: 1 in 1,470,588. Change in risk: 753 percent.

83. Surry 1, Surry, Va.: 1 in 175,439 chance each year. Old estimate: 1 in 123,457. Change in risk: -30 percent.

83. Surry 2, Surry, Va.: 1 in 175,439 chance each year. Old estimate: 1 in 123,457. Change advertisement in risk: -30 percent.

85. Nine Mile Point 2, Scriba, N.Y.: 1 in 178,571 chance each year. Old estimate: 1 in 1,000,000. Change in risk: 460 percent.

86. Browns Ferry 2, Athens, Ala.: 1 in 185,185 chance each year. Old estimate: 1 in 625,000. Change in risk: 238 percent.

86. Browns Ferry 3, Athens, Ala.: 1 in 185,185 chance each year. Old estimate: 1 in 625,000. Change in risk: 238 percent.

88. Nine Mile Point 1, Scriba, N.Y.: 1 in 238,095 chance each year. Old estimate: 1 in 1,724,138. Change in risk: 624 percent.

88. Fermi 2, Toledo, Ohio: 1 in 238,095 chance each year. Old estimate: 1 in 625,000. Change in risk: 163 percent.

90. Arkansas Nuclear 1, London, Ark.: 1 in 243,902 chance each year. Old estimate: 1 in 1,063,830. Change in risk: 336 percent.

90. Arkansas Nuclear 2, London, Ark.: 1 in

243,902 chance each year. Old estimate: 1 in 1,063,830. Change in risk: 336 percent.

92. Comanche Peak 1, Glen Rose, Texas: 1 in 250,000 chance each year. Old estimate: 1 in 833,333. Change in risk: 233 percent.

92. Comanche Peak 2, Glen Rose, Texas: 1 in 250,000 chance each year. Old estimate: 1 in 833,333. Change in risk: 233 percent.

94. Browns Ferry 1, Athens, Ala.: 1 in 270,270 chance each year. Old estimate: 1 in 1,000,000. Change in risk: 270 percent.

95. Prairie Island 1, Welch, Minn.: 1 in 333,333 chance each year. Old estimate: 1 in 714,286. Change in risk: 114 percent.

95. Prairie Island 2, Welch, Minn.: 1 in 333,333 chance each year. Old estimate: 1 in 714,286. Change in risk: 114 percent.

97. La Salle 1, Marseilles, Ill.: 1 in 357,143 chance each year. Old estimate: 1 in 1,851,852. Change in risk: 419 percent.

97. La Salle 2, Marseilles, Ill.: 1 in 357,143 chance each year. Old estimate: 1 in 1,851,852. Change in risk: 419 percent.

97. Hope Creek 1, Hancocks Bridge, N.J.: 1 in 357,143 chance each year. Old estimate: 1 in 909,091. Change in risk: 155 percent.

100. Clinton, Clinton, Ill.: 1 in 400,000 chance each year. Old estimate: 1 in 370,370. Change in risk: -7 percent.

101. Shearon Harris 1, New Hill, N.C.: 1 in 434,783 chance each year. Old estimate: 1 in 277,778. Change in risk: -36 percent.

102. Hatch 1, Baxley, Ga.: 1 in 454,545 chance each year. Old estimate: 1 in 1,351,351. Change in risk: 197 percent.

advertisement

102. Hatch 2, Baxley, Ga.: 1 in 454,545 chance each year. Old estimate: 1 in 1,351,351. Change in risk: 197 percent.

104. Callaway, Fulton, Mo.: 1 in 500,000 chance each year. Old estimate: N/A. Change in risk: N/A.

A few words about the data (Where's Richter?)

The NRC's risk estimates are not based on the

usual layman's language of the magnitude scale (the old Richter scale or its replacement, the moment magnitude scale). Magnitude shows the earthquake's energy released. That is a measure of power.

But a nuclear plant may be close to the epicenter of a quake, or far from it. And some types of seismic waves are more jarring than others.

Instead, these risk estimates consider how violently the ground will shake at the nuclear plant, considered a better indication of how much damage it will cause. That shaking can be affected by the depth, distance from the epicenter, and the frequencies of waves that the quake emits. The shaking is expressed in a unit called peak ground acceleration, in terms of the acceleration caused by the Earth's gravity. This is a measure of intensity.

Often these two ways of measuring earthquakes are roughly in synch, but sometimes not. For example:

The 2010 Haiti earthquake, magnitude 7.0, rated only "severe" on the intensity scale, the third rung from the top, with peak ground acceleration of 0.5 times the Earth's gravity.

The 2010 Chile earthquake, with a much higher magnitude of 8.8, was one step

advertisement How much radiation is dangerous?

higher in terms of intensity, "violent," with peak ground acceleration of 0.65

times gravity.

The 2010 Christchurch or Canterbury earthquake in New Zealand, similar to Haiti at magnitude 7.1, was at the top of the intensity scale, "extreme," with a peak ground acceleration of 1.26 times gravity.

Besides the peak acceleration, the NRC made other estimates for each nuclear plant, based on different types of earthquakes.

From all these estimates, the NRC calculated a worst case, which it called the "weakest link." Msnbc.com ranked the plants by that worst case, which is the same number the NRC staff highlights in its report, and the only number it provided for the reactors in the western states.

Resources

These links open in a new window.

Earthquake history of each state, from the USGS.

A USGS brochure describing the changes in the 2008 seismic hazard maps. PDF file.

The NRC report with new earthquake risk estimates, "Generic Issue 199 (GI-199), Implications of Updated Probabilistic Seismic Hazard Estimates in Central and Eastern United States on Existing Plants, Safety/Risk Assessment," August 2010. PDF file. Note: Data for individual reactors are in appendix D.

An NRC fact sheet from November 2010, "Seismic Issues for Existing Nuclear Power Plants."

The NRC database of active nuclear reactors in the U.S. Each reactor name links to technical and safety documents.

Industry response to questions about the situation in Japan. PDF file.

A scientific paper describing the New Madrid earthquake, and what can be learned by melding modern science with writings from long ago.

A brochure with a table comparing values for magnitude and peak ground acceleration.

The ranking of 104 nuclear plants by risk, by msnbc.com from NRC data, in an Excel spreadsheet file.

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A look at the worst earthquakes in recorded history, in loss of human life. (These figures do not include the March 11, 2011, temblor off eastern Japan, the death toll of which is still not known.) Sources: United States Geological Survey, Encyclopedia Britannica advertisement

1: Shensi, China, Jan. 23, 1556

Magnitude about 8, about 830,000 deaths.

This earthquake occurred in the Shaanxi province (formerly Shensi), China, about 50 miles east-northeast of Xi'an, the capital of Shaanxi. More than 830,000 people are estimated to have been killed. Damage extended as far away as about 270 miles

northeast of the epicenter, with reports as far as Liuyang in Hunan, more than 500 miles away. Geological effects reported with this earthquake included ground fissures, uplift, subsidence, liquefaction and landslides. Most towns in the damage area reported city walls collapsed, most to all houses collapsed and many of the towns reported ground fissures with water gushing out.

2: Tangshan, China, July 27, 1976

Magnitude 7.5. Official casualty figure is 255,000 deaths. Estimated death toll as high as 655,000.

Damage extended as far as Beijing. This is probably the greatest death toll from an earthquake in the last four centuries, and the second greatest in recorded history.

3: Aleppo, Syria, Aug. 9, 1138

Magnitude not known, about 230,000 deaths.

Contemporary accounts said the walls of Syria's second-largest city crumbled and rocks cascaded into the streets. Aleppo's citadel collapsed, killing hundreds of residents. Although Aleppo was the largest community affected by the earthquake, it likely did not suffer the worst of the damage. European Crusaders had constructed a citadel at nearby Harim, which was leveled by the quake. A Muslim fort at Al-Atarib was destroyed as well, and several smaller towns and manned forts were reduced to rubble. The quake was said to have been felt as far away as Damascus, about 220 miles to the south. The Aleppo earthquake was the first of several occurring between 1138 and 1139 that devastated areas in northern Syria and western Turkey.

4: Sumatra, Indonesia, Dec. 26, 2004

advertisement Advertise | AdChoices Keystone / Getty Images 1976: Workers start rebuilding work following earthquake damage in the Chinese city of Tangshan, 100 miles east of Pekin, with a wrecked train carriage behind them. (Photo by Keystone/Getty Images)

Magnitude 9.1, 227,898 deaths.

This was the third largest earthquake in the world since 1900 and the largest since the 1964 Prince William Sound, Alaska temblor. In total, 227,898 people were killed or were missing and presumed dead and about 1.7 million people were displaced by the earthquake and subsequent tsunami in 14

countries in South Asia and East Africa. (In January 2005, the death toll was 286,000. In April 2005, Indonesia reduced its estimate for the number missing by over 50,000.)

5: Haiti, Jan 12, 2010

According to official estimates, 300,000 were also injured, 1.3 million displaced, 97,294 houses destroyed and 188,383 damaged in the Port-au-Prince area and in much of southern Haiti. This includes at least 4 people killed by a local tsunami in the Petit Paradis area near Leogane. Tsunami waves were also reported at Jacmel, Les Cayes, Petit Goave, Leogane, Luly and Anse a Galets.

6: Damghan, Iran, Dec. 22, 856

Magnitude not known, about 200,000 deaths.

This earthquake struck a 200-mile stretch of northeast Iran, with the epicenter directly below the city of Demghan, which was at that point the capital city. Most of the city was destroyed as well as the neighboring areas. Approximately 200,000 people were killed.

7: Haiyuan, Ningxia , China, Dec. 16, 1920

7.8 magnitude, about 200,000 deaths.

This earthquake brought total destruction to the Lijunbu-Haiyuan-Ganyanchi area. Over 73,000 people were killed in Haiyuan County. A landslide buried the village of Sujiahe in Xiji County. More than 30,000 people were killed in Guyuan County. Nearly all the houses collapsed in the cities of Longde and Huining. About 125 miles of surface faulting was seen from Lijunbu through Ganyanchi to Jingtai. There were large numbers of landslides and ground cracks throughout the epicentral area. Some rivers were dammed, others changed course.

advertisement Getty Images / Getty Images MEULABOH, INDONESIA - DECEMBER 29: In this handout photo taken from a print via the Indonesian Air Force, the scene of devastation in Meulaboh, the town closest to the Sunday's earthquake epicentre, is pictured from the air on December 29, 2004, Meulaboh, Aceh Province, Sumatra, Indonesia. The western coastal town in Aceh Province, only 60 kilometres north-east of the epicentre, has been the hardest hit by Sunday's underwater earthquake in the Indian Ocean. Officials expected to find at least 10,000 killed which would amount to a quarter of Meulaboh's population. Three-quarters of Sumatra's western coast was destroyed and some towns were totally wiped out after the tsunamis that followed the earthquake. (Photo by Indonesian Air Force via Getty Images) Advertise | AdChoices

8: Ardabil, Iran, March. 23, 893

Magnitude not known, about 150,000 deaths

The memories of the massive Damghan earthquake (see above) had barely faded when only 37 years later, Iran was again hit by a huge earthquake. This time it cost 150,000 lives and destroyed the largest city in the northwestern section of the country. The area was again hit by a fatal earthquake in 1997.

9: Kanto, Japan, Sept. 1, 1923

7.9 magnitude, 142,800 deaths.

This earthquake brought extreme destruction in the Tokyo-Yokohama area, both from the temblor and subsequent firestorms, which burned about 381,000 of the more than 694,000 houses that were partially or completely destroyed. Although often known as the Great Tokyo Earthquake (or the Great Tokyo Fire), the damage was most severe in Yokohama. Nearly 6 feet of permanent uplift was observed on the north shore of Sagami Bay and horizontal displacements of as much as 15 feet were measured on the Boso Peninsula.

This earthquake brought extreme destruction in the Tokyo-Yokohama area, both from the temblor and subsequent firestorms, which burned about 381,000 of the more than 694,000 houses that were partially or completely destroyed. Although often known as the Great Tokyo Earthquake (or the Great Tokyo Fire), the damage was most severe in Yokohama. Nearly 6 feet of permanent uplift was observed on the north shore of Sagami Bay and horizontal displacements of as much as 15 feet were measured on the Boso Peninsula.

10: Ashgabat, Turkmenistan, Oct. 5, 1948

7.3 magnitude, 110,000 deaths.

This quake brought extreme damage in Ashgabat (Ashkhabad) and nearby villages, where almost all the brick buildings collapsed, concrete structures were heavily damaged and freight trains were derailed. Damage and casualties also occurred in the Darreh Gaz area in neighboring Iran. Surface rupture was observed both northwest and southeast of Ashgabat. Many sources list the casualty total at 10,000, but a news release from the newly independent government on Dec. 9, 1988, advised that the correct death toll was 110,000. (Turkmenistan had been part of the Soviet Union, which tended to downplay the death tolls from man-made and natural

disasters.)

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Deavers, Ron

From: Deavers, Ron
Sent: Wednesday, March 16, 2011 3:06 PM
To: Bonaccorso, Amy
Subject: RE: Citizen Inquiry
Attachments: image001.jpg

yes

From: Bonaccorso, Amy
Sent: Wednesday, March 16, 2011 2:37 PM
To: Deavers, Ron
Subject: RE: Citizen Inquiry

I think this is a company – should we just say that they should take with the airlines?

From: Akstulewicz, Brenda
Sent: Wednesday, March 16, 2011 2:23 PM
To: Deavers, Ron; Bonaccorso, Amy
Subject: Citizen Inquiry

Todd Barber
Gulf Stream Aerospace
912-965-5317
How safe is it to fly over Japan (Northern)

Brenda Akstulewicz
Administrative Assistant
Office of Public Affairs
301-415-8209
brenda.akstulewicz@nrc.gov



I-186

Deavers, Ron

From: McIntyre, David
Sent: Wednesday, March 16, 2011 4:31 PM
To: Bonaccorso, Amy
Cc: Deavers, Ron
Subject: RE: Questions NRC RI Is Receiving - RESPONSE NEEDED ASAP

Follow Up Flag: Follow up
Flag Status: Completed

I also gave it to the LT.

From: Bonaccorso, Amy
Sent: Wednesday, March 16, 2011 4:31 PM
To: McIntyre, David
Cc: Deavers, Ron
Subject: RE: Questions NRC RI Is Receiving - RESPONSE NEEDED ASAP

Dave:

Thanks for the help with this. I like the response.

Unless someone has an issue with it – I'm assuming this response will close this one out – since Nancy is cc'ed and she originally sent the Q out.

Thanks again,

Amy

From: McIntyre, David
Sent: Wednesday, March 16, 2011 4:22 PM
To: Bonaccorso, Amy
Cc: Deavers, Ron; Turtill, Richard; Screnci, Diane; Uselding, Lara; Hannah, Roger; Harrington, Holly; Brenner, Eliot; McNamara, Nancy; Mitlyng, Viktoria
Subject: RE: Questions NRC RI Is Receiving - RESPONSE NEEDED ASAP

Suggest this:

The 10-mile EPZ reflects the area expected to be affected by design basis accidents at nuclear power plants, and we are confident that it would be adequate even for severe accidents. However, the 10-mile zone was always considered a base for emergency response that could be expanded if the situation warranted. The situation in Japan, with four reactors experiencing exceptional difficulties simultaneously, creates the need to expand the EPZ beyond the normal 10-mile radius.

We have said from the beginning of this crisis that the NRC would analyze this situation for any lessons that can be derived to improve our oversight of U.S. nuclear power plants. Emergency protection planning will be part of that review.

Dave Mc, OPA

From: Bonaccorso, Amy
Sent: Wednesday, March 16, 2011 4:04 PM

To: McIntyre, David
Cc: Deavers, Ron
Subject: FW: Questions NRC RI Is Receiving - RESPONSE NEEDED ASAP
Importance: High

Dave:

Holly told me I should forward this to you.

From: Bonaccorso, Amy
Sent: Wednesday, March 16, 2011 3:52 PM
To: Burnell, Scott
Cc: Deavers, Ron
Subject: FW: Questions NRC RI Is Receiving - RESPONSE NEEDED ASAP
Importance: High

Scott:

Are you downstairs?

I don't know anyone on the PMT. We're isolated from all of the teams with specialized knowledge up here.

From: LIA04 Hoc
Sent: Wednesday, March 16, 2011 3:49 PM
To: Deavers, Ron; Bonaccorso, Amy
Cc: OST05 Hoc; McNamara, Nancy
Subject: FW: Questions NRC RI Is Receiving - RESPONSE NEEDED ASAP
Importance: High

Ron and Amy:

You may wish to touch base with our PMT folks for insights. I can't help on this.

Richard Turtill
State Liaison – Liaison Team
Incident Response Center

From: McNamara, Nancy
Sent: Wednesday, March 16, 2011 3:24 PM
To: LIA04 Hoc; OST05 Hoc
Subject: Questions NRC RI Is Receiving - RESPONSE NEEDED ASAP
Importance: High

1. How is it that the NRC has always defined the emergency planning zone to be out to 10 miles based on worse case scenarios, yet they just recommended a 50 mile evacuation?
2. What does a PAR out to 50 miles say about the current 10 mile EPZ used here in the United States?

Deavers, Ron

From: Deavers, Ron
Sent: Tuesday, March 15, 2011 9:52 AM
To: Harrington, Holly
Subject: RE: Internal Call Center

I Holly,

I am available to help.

Thanks,

Ron Deavers
Project Manager, OIS/BPIAD/PMT1
Owfn - 6C5
301-415-7301
Ron.Deavers@nrc.gov

From: Harrington, Holly
Sent: Monday, March 14, 2011 11:57 PM
To: Jasinski, Robert; Landau, Mindy; Tobin, Jennifer; Zuberi, Sardar; Ridge, Christianne; Deavers, Ron
Subject: Internal Call Center

There is a chance we will start up a small Internal Call Center to answer calls from the public concerned about radiation, etc.

It is not certain, but possible. I'll be looking for help staffing the center. You will have a script to use and will be located in TWFN Fourth Floor conference room.

Please let me know if you'll have availability/interest in doing this.

Mindy – can you spread the word through the Communication Council, too. The more volunteers the better . . .

Thank you,

Holly

Tracking:

I-188

Deavers, Ron

From: Operations Center Bulletin
Sent: Wednesday, March 16, 2011 10:40 AM
To: Operations Center Bulletin
Subject: UPDATE: NRC IS RESPONDING TO JAPANESE EVENTS

THIS IS NOT A DRILL

The Office of Public Affairs is expecting a large volume of calls from media and the general public regarding the latest statements from the State Department and the NRC regarding the situation in Japan. ALL CALLS from media or the general public on this topic must be referred to the 301-415-8200 number.

The NRC is coordinating its actions with other Federal agencies as part of the U.S. government response to the events in Japan. The NRC is examining all available information as part of the effort to analyze the event and understand its implications both for Japan and the United States. The NRC's Headquarters Operations Center in Rockville, MD has been stood up since the beginning of the emergency in Japan and is operating on a 24-hour basis.

NRC Incident Responders at Headquarters have spoken with the agency's counterpart in Japan and offered the assistance of U.S. technical experts. NRC representatives with expertise on boiling water nuclear reactors have deployed to Japan as part of a U.S. International Agency for International Development (USAID) team. USAID is the Federal government agency primarily responsible for providing assistance to countries recovering from disasters.

U.S. nuclear power plants are built to withstand environmental hazards, including earthquakes and tsunamis. Even those plants that are located outside of areas with extensive seismic activity are designed for safety in the event of such a natural disaster. The NRC requires that safety significant structures, systems, and components be designed to take in account the most severe natural phenomena historically estimated for the site and surrounding area.

The NRC will **not** provide information on the status of Japan's nuclear power plants. For the latest information on NRC actions see the NRC's web site at www.nrc.gov or blog at <http://public-blog.nrc-gateway.gov>.

Two important reminders:

It is possible that some of us will be requested by colleagues in another country to provide technical advice and assistance during this emergency. It is essential that all such communications be handled through the NRC Operations Center. Any assistance to a foreign government or entity must be coordinated through the NRC Operations Center and the U.S. Department of State (DOS). If you receive such a request, contact the NRC Operations Officer (301-816-5100 or via the NRC Operator) immediately.

If you receive information regarding this or any emergency (foreign or domestic) and you are not certain that the NRC's Incident Response Operations Officer is already aware of that information, you should contact the NRC Operations Officer (301-816-5100 or via the NRC Operator) and provide that information.

Other Sources of Information:

USAID – www.usaid.gov
U.S. Department of State – www.state.gov
FEMA – www.fema.gov
White House – www.whitehouse.gov
Nuclear Energy Institute – www.nei.org

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International Atomic Energy Agency – www.iaea.org/press

No response to this message is required.

THIS IS NOT A DRILL

Wittick, Susan

From: Wittick, Susan
Sent: Wednesday, March 16, 2011 3:37 PM
To: Harrington, Holly
Subject: RE: Draft Scheduling Note for Japan event 3-16-2011

Holly, I got attachment, thank you. I just called Allen and left a message for him to call me.
Susan

From: Harrington, Holly
Sent: Wednesday, March 16, 2011 3:36 PM
To: Howe, Allen; Wittick, Susan
Cc: Ruland, William; Leeds, Eric
Subject: RE: Draft Scheduling Note for Japan event 3-16-2011

Allen – can we get more information. Eliot seems unaware of this. Is it public/nonpublic?

From: Howe, Allen
Sent: Wednesday, March 16, 2011 2:10 PM
To: Harrington, Holly
Cc: Ruland, William; Leeds, Eric
Subject: FW: Draft Scheduling Note for Japan event 3-16-2011
Importance: High

Holly – I appreciate the challenges you are facing right now with the blizzard of requests coming to your office. I am coordinating a Commission briefing on the Japan event to be conducted as early as Monday. The draft scheduling note is attached. We are reaching out to impacted offices to prepare for the brief. I have Eliot Brenner as a speaker to discuss communication challenges. What is needed is a POC who can engage in preparations to develop slides and talking points for Eliot. The POC is needed ASAP.

Thanks for your help - Allen

From: Howe, Allen
Sent: Wednesday, March 16, 2011 1:18 PM
To: Merzke, Daniel; Andersen, James
Cc: Leeds, Eric; Ruland, William; Gitter, Joseph; Boger, Bruce; Grobe, Jack; Virgilio, Martin; Weber, Michael; Borchardt, Bill; Brenner, Eliot; Schmidt, Rebecca; Doane, Margaret; Holian, Brian; Brown, Frederick
Subject: Draft Scheduling Note for Japan event 3-16-2011

Dan/Jim – attached is a rough draft scheduling note for the Commission meeting. Eric Leeds has reviewed it and approved. We are coordinating support for the meeting, which could occur as early as Monday. Please keep me updated on any developments.

Thanks - Allen

Wittick, Susan

From: Wittick, Susan
Sent: Wednesday, March 16, 2011 3:32 PM
To: Harrington, Holly
Subject: RE: Draft Scheduling Note for Japan event 3-16-2011

Holly, can you please send the attachment?

Thanks,
Susan

From: Harrington, Holly
Sent: Wednesday, March 16, 2011 3:26 PM
To: Howe, Allen; Wittick, Susan
Cc: Ruland, William; Leeds, Eric
Subject: RE: Draft Scheduling Note for Japan event 3-16-2011

Susan, from OCA, is helping us out in OPA and I've asked her to take this on for us. Susan – pls give him a call ... thank you all

From: Howe, Allen
Sent: Wednesday, March 16, 2011 2:10 PM
To: Harrington, Holly
Cc: Ruland, William; Leeds, Eric
Subject: FW: Draft Scheduling Note for Japan event 3-16-2011
Importance: High

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Thanks for your help - Allen

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Subject: Draft Scheduling Note for Japan event 3-16-2011

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Thanks - Allen

I-1911

Wittick, Susan

From: Wittick, Susan
Sent: Wednesday, March 16, 2011 3:49 PM
To: Howe, Allen; Harrington, Holly
Subject: RE: Draft Scheduling Note for Japan event 3-16-2011

Allen, I am currently in Dave McIntyre's office – 415-8206.
Susan

From: Howe, Allen
Sent: Wednesday, March 16, 2011 3:47 PM
To: Harrington, Holly; Wittick, Susan
Cc: Ruland, William; Leeds, Eric
Subject: RE: Draft Scheduling Note for Japan event 3-16-2011

Apologies for the rapidly developing story. Right now the story is that this will be a public meeting. I will also call Susan.

From: Harrington, Holly
Sent: Wednesday, March 16, 2011 3:36 PM
To: Howe, Allen; Wittick, Susan
Cc: Ruland, William; Leeds, Eric
Subject: RE: Draft Scheduling Note for Japan event 3-16-2011

Allen – can we get more information. Eliot seems unaware of this. Is it public/nonpublic?

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Sent: Wednesday, March 16, 2011 2:10 PM
To: Harrington, Holly
Cc: Ruland, William; Leeds, Eric
Subject: FW: Draft Scheduling Note for Japan event 3-16-2011
Importance: High

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Cc: Leeds, Eric; Ruland, William; Giitter, Joseph; Boger, Bruce; Grobe, Jack; Virgilio, Martin; Weber, Michael; Borchardt, Bill; Brenner, Eliot; Schmidt, Rebecca; Doane, Margaret; Holian, Brian; Brown, Frederick
Subject: Draft Scheduling Note for Japan event 3-16-2011

Dan/Jim – attached is a rough draft scheduling note for the Commission meeting. Eric Leeds has reviewed it and approved. We are coordinating support for the meeting, which could occur as early as Monday. Please keep me updated on any developments.

Thanks - Allen

Draft: 3/16/11

SCHEDULING NOTE

Title: BRIEFING ON JAPANESE EVENT and US RESPONSE (Public?)

Purpose: To provide the Commission a status on the recent event in Japan, and to provide an overview of staff actions to date, early planned actions

Scheduled: March XX, 2011
9:00 am

Duration: Approx. 2 hours

Location: Commissioners' Conference Room OWFN

Participants: **Presentation**

NRC Staff Panel **50 mins.***

Bill Borchardt, Executive Director for Operations 15 mins.*
Topic: Overview of Japanese Event and U.S. response

Mike Weber, Deputy Executive Director Materials, Waste, Research, State, Tribal and Compliance Programs 10 mins.*
Topic: Potential consequences; what will be seen in U.S.

Marty Virgilio, Deputy Executive Director for Reactor and Preparedness Programs 10 mins.*
Topic: Situation assessment for U.S. reactors and applicants

Elliot Brenner, OPA 5 mins.*
Topic: Communication Challenges

Eric Leeds, Director, NRR 10 mins.*
Topic: Path forward; Near term and longer term

Commission Q & A **30 mins.**

Discussion – Wrap-up **5 mins.**

Break **10 mins.**

Closed session

Strategy and agenda planning

Documents:

Staff background material due to SECY: March __, 2011.

Wittick, Susan

From: Wittick, Susan
Sent: Wednesday, March 16, 2011 5:58 PM
To: Deegan, George; Dion, Jeanne; Turtill, Richard; Rivera, Alison
Cc: Piccone, Josephine; Jackson, Deborah; Moore, Scott
Subject: RE: Assistance with Commission Brief

George,

Thank you for the input from FSME to include with Eliot's presentation.

Susan

From: Deegan, George
Sent: Wednesday, March 16, 2011 5:39 PM
To: Dion, Jeanne; Turtill, Richard; Rivera, Alison
Cc: Piccone, Josephine; Jackson, Deborah; Moore, Scott; Wittick, Susan
Subject: RE: Assistance with Commission Brief

Jeanne- Thanks.

Rich/Alison: Can FSME/DILR provide some talking points on the Communication Challenges we're having with States and other stakeholders (for Eliot Brenner's section). Once we have our message (bullets, talking points, background, possible Q&A's) I will provide this to Susan Wittick in OPA. We are probably looking at 2 minutes total out of Eliot's 5 minute presentation.

From: Dion, Jeanne
Sent: Wednesday, March 16, 2011 5:28 PM
To: Howe, Allen; Deegan, George
Cc: Moore, Scott; Piccone, Josephine; Jackson, Deborah; Turtill, Richard; Brock, Kathryn; Frazier, Alan; Wittick, Susan
Subject: RE: Assistance with Commission Brief

Yes- we can. We have staff with expertise in severe accidents (SOARCA) and health effects branch.

Can you provide more information on the agenda item ("advance our understanding of safety and risk")- RES is noted as the lead for the item.

Thanks- Jeanne

From: Howe, Allen
Sent: Wednesday, March 16, 2011 5:22 PM
To: Deegan, George; Dion, Jeanne
Cc: Moore, Scott; Piccone, Josephine; Jackson, Deborah; Turtill, Richard; Brock, Kathryn; Frazier, Alan; Wittick, Susan
Subject: RE: Assistance with Commission Brief

Thanks George – Susan Wittick is coordinating for OPA.

Jeanne – can RES address the consequence projections?

Thanks - Allen

From: Deegan, George
Sent: Wednesday, March 16, 2011 5:18 PM
To: Howe, Allen
Cc: Moore, Scott; Piccone, Josephine; Jackson, Deborah; Turtill, Richard; Brock, Kathryn; Frazier, Alan
Subject: FW: Assistance with Commission Brief
Importance: High

Allen- I think our two emails may have crossed with one another (see my earlier response). I think RES would be best on Consequence Projections, not FSME. We may have some input to provide regarding Communication Challenges (since we serve in a liaison capability with States). If you'd like, I can check with our folks and see if they can develop some talking points to support Eliot's part of the presentation.

From: Howe, Allen
Sent: Wednesday, March 16, 2011 5:09 PM
To: Dion, Jeanne; Williams, Donna; Bajwa, Chris; Wittick, Susan; Shropshire, Alan; VandenBerghe, John; Deegan, George; Milligan, Patricia
Cc: Meighan, Sean; Hall, Randy; Boska, John
Subject: Assistance with Commission Brief
Importance: High

I am looking for assistance to pull together background information, slides, key messages, talking points and possible Q&A for the Commission briefing on the Japan event. The briefing is likely to happen Monday. Looks like a busy weekend. A rough draft outline is attached with leads for the areas. Please keep in mind that the meeting will be public and the information will be at a fairly high level. If you know of a point of contact that is best suited to address the information, please let me know.

I am working to schedule a meeting tomorrow afternoon @1:30 to flesh this out. I will send out a scheduler with a bridge line.

Thanks - Allen

Deavers, Ron

From: Bonaccorso, Amy
Sent: Wednesday, March 16, 2011 11:41 AM
To: Deavers, Ron
Subject: RE: Media Question
Attachments: image001.jpg

Follow Up Flag: Follow up
Flag Status: Completed

Interesting. Thanks for passing along.

From: Deavers, Ron
Sent: Wednesday, March 16, 2011 11:37 AM
To: Deavers, Ron
Cc: Bonaccorso, Amy
Subject: FW: Media Question

Per Holly - ignoring media calls

From: Akstulewicz, Brenda
Sent: Wednesday, March 16, 2011 11:24 AM
To: Deavers, Ron; Bonaccorso, Amy
Subject: Media Question

Jack Dante
ABC News, DC
202-222-7662

Wants confirmation that things are definitely taking a turn for the worse.

Brenda Akstulewicz
Administrative Assistant
Office of Public Affairs
301-415-8209
brenda.akstulewicz@nrc.gov



I-1914

Shannon, Valerie

From: Shannon, Valerie
Sent: Wednesday, March 16, 2011 9:00 AM
To: Akstulewicz, Brenda; Brenner, Eliot; Burnell, Scott; Harrington, Holly; Hayden, Elizabeth; 'Ivonne Couret'; Janbergs, Holly; McIntyre, David
Subject: Hearing Today

FYI,
The hearing at 9:30 today can be viewed on C-Span 3 which is channel 39 (NRC Broadband)
Val

Ghneim, Munira

From: Ghneim, Munira
Sent: Wednesday, March 16, 2011 5:37 PM
To: Harrington, Holly
Subject: RE: Tiffany Demaster - Spectrum Newspaper

Follow Up Flag: Follow up
Flag Status: Flagged

No problem glad to help. See you tomorrow. ☺

Thank You
Munira Ghneim
Contract Secretary
Office of Information Services
munira.ghneim@nrc.gov
301-415-1170/ Mail stop O-6E9

From: Harrington, Holly
Sent: Wednesday, March 16, 2011 5:35 PM
To: Ghneim, Munira
Subject: RE: Tiffany Demaster - Spectrum Newspaper

Thank you, by the way. Your e-mails are perfect in terms of information!

From: Ghneim, Munira
Sent: Wednesday, March 16, 2011 5:20 PM
To: Burnell, Scott
Cc: Harrington, Holly; Akstulewicz, Brenda
Subject: Tiffany Demaster - Spectrum Newspaper

Good Evening,

Tiffany Demaster would like someone to return her call regarding the radioactivity going on in Japan. Tiffany may be reached at 435-674-6231.

Thank You
Munira Ghneim
Contract Secretary

7161
H. 1919

Ghneim, Munira

From: Ghneim, Munira
Sent: Wednesday, March 16, 2011 4:59 PM
To: Burnell, Scott
Cc: Harrington, Holly; Akstulewicz, Brenda
Subject: Ian Sample - Guardian Newspaper - London

Follow Up Flag: Follow up
Flag Status: Flagged

Good Afternoon,

Ian Sample would like someone to return his call in regards to the figures that were released earlier today. Ian may be reached at 44-777-648-3066.

Thank You
Munira Ghneim
Contract Secretary
Office of Information Services
301-415-1170

I-197

Deavers, Ron

From: Deavers, Ron
Sent: Wednesday, March 16, 2011 8:47 AM
To: Harrington, Holly
Subject: RE: Internal Call Center

I will be right up.

Ron Deavers
Project Manager, OIS/BPIAD/PMT1
Owfn - 6C5
301-415-7301
Ron.Deavers@nrc.gov

From: Harrington, Holly
Sent: Tuesday, March 15, 2011 9:32 PM
To: Deavers, Ron
Subject: RE: Internal Call Center

Can you come to OPA Wednesday morning? We're going to stand this up asap. I'll be in by 8:30 a.m.

From: Deavers, Ron
Sent: Tuesday, March 15, 2011 9:52 AM
To: Harrington, Holly
Subject: RE: Internal Call Center

I Holly,

I am available to help.

Thanks,

Ron Deavers
Project Manager, OIS/BPIAD/PMT1
Owfn - 6C5
301-415-7301
Ron.Deavers@nrc.gov

From: Harrington, Holly
Sent: Monday, March 14, 2011 11:57 PM
To: Jasinski, Robert; Landau, Mindy; Tobin, Jennifer; Zuberi, Sardar; Ridge, Christianne; Deavers, Ron
Subject: Internal Call Center

There is a chance we will start up a small Internal Call Center to answer calls from the public concerned about radiation, etc.

It is not certain, but possible. I'll be looking for help staffing the center. You will have a script to use and will be located in TWFN Fourth Floor conference room.

Please let me know if you'll have availability/interest in doing this.

Mindy – can you spread the word through the Communication Council, too. The more volunteers the better . . .

I-1978

Deavers, Ron

From: Deavers, Ron
Sent: Wednesday, March 16, 2011 9:05 AM
To: Golshan, KG
Subject: FW: Public Inquiries

Hi KG,

I volunteered to answer public calls in OPA today.

Ron

From: Harrington, Holly
Sent: Wednesday, March 16, 2011 9:00 AM
To: Akstulewicz, Brenda; Shannon, Valerie; Landau, Mindy; Ellmers, Glenn; Janbergs, Holly; Brenner, Eliot; Burnell, Scott; Couret, Ivonne; Hayden, Elizabeth; McIntyre, David; Chandrathil, Prema; Dricks, Victor; Hannah, Roger; Ledford, Joey; Mitlyng, Viktoria; Screnci, Diane; Sheehan, Neil; Uselding, Lara
Cc: Bonaccorso, Amy; Deavers, Ron
Subject: Public Inquiries

For today, if you get public inquiries via phone that you do not want to or can't get to, please take a message and forward to:

Ron.deavers@nrc.gov and amy.bonaccorso@nrc.gov .

You may also forward e-mail messages to these two addresses as well.

Pls cc Brenda and myself

From: [Janbergs, Holly](#)
To: [Harrington, Holly](#)
Subject: House Hearing Update 2 (Chu Qs)
Date: Wednesday, March 16, 2011 12:42:00 PM

First set of relevant Qs

Whitfield: IAEA's radiation scale, Japan vs. TMI – thoughts?

Chu: Events unfolding in Japan seem more serious than TMI. Conflicted reports make definitive statements difficult

Whitfield: Gov't entered into contracts re: Yucca, what can you tell me about the lawsuits there?

Chu: Will follow up and give exact number. It's an ongoing legal process

Rush: Can you assure the committee and American public that what's happening in Japan cannot happen here?

Chu: We'll look closely for lessons learned, but we don't believe there's any danger.

Upton: Is there anything Japan's asked for we haven't done?

Chu: Not to my knowledge

Waxman: I understand there are differences between Chernobyl, but could this happen here?

Chu: Yes, Chernobyl a different design. In Japan, we'll look for what went wrong, see if we can improve our systems.

Waxman: Do you think Congress should investigate?

Chu: I think investigation will happen naturally

Waxman: Naturally, but I think Congress has a responsibility for oversight, and we write the laws.

Waxman: Would nuclear power be competitive without government help (subsidies, loans, etc)

Chu: At the moment nuclear and renewables require subsidies to be competitive but we're trying to approach that problem

Shimkus: One of risks in Japan was decommissioned or offline plants had spent fuel storage pool that went dry, yes?

Chu: There've been conflicting reports

Shimkus: 11 pools within 40 mi of Chicago; wouldn't it make sense to have a central location?

Chu: Difference between pools as short term storage and Yucca as long term

Shimkus: Folks living near pools think it's pretty long term

Green: To jumpstart nuclear energy, we need loan guarantees. You mentioned \$36 billion, how many projects would that fund?

Chu: 6-8 projects, and if that can go forward there might be more confidence in private sector afterward

Green: In SOTU address Obama asked for 80% clean energy by 2035, if we stop going ahead with nuclear is that a possibility?

Chu: It would make things harder. I think a fraction needs to come from nuclear

I-200

Barton: Does Obama still support nuclear power?

Chu: he hasn't changed position on budget asking for loan guarantees, etc

Inslee: Republican budget means cuts in most places but nuclear, but we need diverse energy portfolio

Chu: We need research everywhere, just as we'd like to support engineering for small modular reactors we need a balanced approach for renewables

Inslee: Office of Civilian Radioactive Waste Mgmt has been shut down. My state paid \$300 mil for Yucca – we need a solution

Chu: Blue Ribbon Commission will have answers in June, we'll go forward from there

Matsui: What happens if there's a meltdown?

Chu: We don't want to speculate on exactly what'll happen, we'll take things as they come

Gardner: What's your level of communication with Japan?

Chu: In constant contact with Japan, both their officials and our presence on ground

Gardner: At this pt are you satisfied with their response?

Chu: We've gotten conflicting reports of what's going on, but as a country they take things very seriously, I don't want to say anything more except that we'll stand by and help as best we can.

Pitts: You said nuclear power should continue to be part of energy policy

Chu: Yes

Pitts: You eliminated office of Civilian Radioactive Waste Mgmt, admin has shut down Yucca... in light of situation in Japan does any of the current energy policy warrant reconsideration?

Chu: We shouldn't conflate what's happening in Japan with need for long-term repository; spent fuel pool storage is different

Pitts: At present how is admin fulfilling its obligation to deal with spent fuel?

Chu: Don't want to preempt what Blue Ribbon Commission is saying

Pitts: In light of events in Japan do you have any conclusions about how safe nuclear power is in US?

Chu: We will look at events in Japan and determine any lessons learned from impacts of multiple cascading events

Pitts: What is being done to monitor radiation?

Chu: DOE has airlifted equipment to Japan to help monitor and made that available, we have folks testing in air and ground over there; trying to maintain up to date info on radiation levels

Markey: As "banker-in-chief" to nuclear industry, from a financial risk perspective, do you think events in Japan make it likely folks will want to assume risks of investing in nuclear?

Chu: Events in Japan will cause people to reevaluate a lot and that's always good when it involves a commitment to maximize safety

Markey: Are you going to assess the risk premium you charge utilities?

Chu: A lot of factors get folded into the premium for nuclear plants

Markey: Should OMB reexamine the risk premium?

Chu: They'll probably include Japan in their consideration

Markey: I sent a letter a few days before earthquake discussing AP1000 design when I learned an NRC engineer John Ma said it may be too brittle to handle an earthquake and

may shatter like an egg, also had an unrealistic earthquake simulation. Isn't it risky to make loan guarantees to a design like this?

Chu: One condition of a loan is that it's dependent on NRC approval of the license, and that is still pending

Markey: Do you think we should hold off on new designs until we've gotten lessons learned from Japan?

Chu: I think no matter what happens we'll take lessons learned and apply them to both our current fleet and any actions in the future

Markey: Re: the AP1000 at Vogtle, taxpayers are on the hook for \$8.3 billion of that project, what happens if there is a default?

Chu: Our loan guarantee program tries to work specifics into the contract to ensure that doesn't happen, so there are assets in Southern Nuclear that...

Markey: Would we end up owning Southern Nuclear like we had to take over other companies in the last few years?

Chu: I'll have to get you details on that

Markey: Taxpayers must be protected

DeGette: Multiple failsafe systems in Japan, even technologically advanced ones, can't really prevent/prepare for everything

Chu: We're developing tools to get a better handle on multiple cascading effects, there's always an eye to increasing safety

DeGette: One of the questions we really need to explore is whether we have the kind of modeling we need to develop nuclear power safely in this country.

Bilbray: This reactor is not state-of-the-art, technology has changed in the last forty years. There are big differences to our reactors here in CA, when we talk about tsunamis – at San Onofre our surge wall is 3x what it was there, and at Diablo Canyon it's 8x

Beth Janbergs
Public Affairs Assistant
301-415-8211

Deavers, Ron

From: Bonaccorso, Amy
Sent: Wednesday, March 16, 2011 4:04 PM
To: McIntyre, David
Cc: Deavers, Ron
Subject: FW: Questions NRC RI Is Receiving - RESPONSE NEEDED ASAP

Importance: High

Follow Up Flag: Follow up
Flag Status: Completed

Dave:

Holly told me I should forward this to you.

From: Bonaccorso, Amy
Sent: Wednesday, March 16, 2011 3:52 PM
To: Burnell, Scott
Cc: Deavers, Ron
Subject: FW: Questions NRC RI Is Receiving - RESPONSE NEEDED ASAP
Importance: High

Scott:

Are you downstairs?

I don't know anyone on the PMT. We're isolated from all of the teams with specialized knowledge up here.

From: LIA04 Hoc
Sent: Wednesday, March 16, 2011 3:49 PM
To: Deavers, Ron; Bonaccorso, Amy
Cc: OST05 Hoc; McNamara, Nancy
Subject: FW: Questions NRC RI Is Receiving - RESPONSE NEEDED ASAP
Importance: High

Ron and Amy:

You may wish to touch base with our PMT folks for insights. I can't help on this.

Richard Turtill
State Liaison – Liaison Team
Incident Response Center

From: McNamara, Nancy
Sent: Wednesday, March 16, 2011 3:24 PM
To: LIA04 Hoc; OST05 Hoc
Subject: Questions NRC RI Is Receiving - RESPONSE NEEDED ASAP
Importance: High

1. How is it that the NRC has always defined the emergency planning zone to be out to 10 miles based on worse case scenarios, yet they just recommended a 50 mile evacuation?
2. What does a PAR out to 50 miles say about the current 10 mile EPZ used here in the United States?

Ghneim, Munira

From: Ghneim, Munira
Sent: Wednesday, March 16, 2011 4:37 PM
To: Landau, Mindy
Cc: Harrington, Holly; Akstulewicz, Brenda
Subject: Justin Smith - Interview with Chairman

Follow Up Flag: Follow up
Flag Status: Flagged

Good Afternoon,

Justin Smith from Radio 3 AW Melvin would like to set up an interview regarding nuclear safety. Justin may be reached at 61-405-449-031.

Thank You
Munira Ghneim
Contract Secretary
Office of Information Services
301-415-1170

IT-202

Ghneim, Munira

From: Ghneim, Munira
Sent: Wednesday, March 16, 2011 4:39 PM
To: Landau, Mindy
Cc: Harrington, Holly; Akstulewicz, Brenda
Subject: Cara Coplin - CNN - Interview with the Chairman

Follow Up Flag: Follow up
Flag Status: Flagged

Good Afternoon,

Cara Coplin from CNN would like to set up an interview with the Chairman. Cara may be reached at 646-734-2151.

Thank You
Munira Ghneim
Contract Secretary
Office of Information Services
301-415-1170

IT-203

Shannon, Valerie

From: Shannon, Valerie
Sent: Wednesday, March 16, 2011 4:19 PM
To: Burnell, Scott
Subject: Media

Scott, can you please call Shirley Wong from Wall Street Journal (she spoke with you earlier). She needs help on the web with the radioisotopes link. Her phone number is 212-416-4082. ~~Ex 6~~

Val

11-204

Ghneim, Munira

From: Ghneim, Munira
Sent: Wednesday, March 16, 2011 4:52 PM
To: Landau, Mindy
Cc: Harrington, Holly; Akstulewicz, Brenda
Subject: Brian Drew -WTOP Radio

Follow Up Flag: Follow up
Flag Status: Flagged

Good Afternoon,

Brian Drew from WTOP Radio would like to have a nuclear safety expert on air for a duration of three to five minutes. Brian may be reached at 202-895-5060.

Thank You
Munira Ghneim
Contract Secretary
Office of Information Services
301-415-1170

HT
2011

From: [Bonaccorso, Amy](#)
To: [Harrington, Holly](#); [Janbergs, Holly](#)
Cc: [Deavers, Ron](#)
Subject: RE: Public Q Response?
Date: Wednesday, March 16, 2011 12:17:45 PM

Okay – that helps. I got a few emails forwarded from Holly and was set to ignore them – but can send this response.

Thanks,

Amy

From: [Harrington, Holly](#)
Sent: Wednesday, March 16, 2011 12:02 PM
To: [Janbergs, Holly](#)
Cc: [Deavers, Ron](#); [Bonaccorso, Amy](#)
Subject: RE: Public Q Response?

We appreciate the suggestions of folks with idea to resolve the situation in Japan. Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.

From: [Janbergs, Holly](#)
Sent: Wednesday, March 16, 2011 11:51 AM
To: [Harrington, Holly](#)
Subject: Public Q Response?

I am getting a lot of public comments from folks who are offering ideas and so forth to try and help with the situation in Japan, particularly involving the use of liquid nitrogen. I can give them a generic “thanks, we’re looking into it” answer, but I thought it might be helpful to work out a response with someone technical to give them a fuller answer. Would that be okay? If so, whom should I work with?

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-206

From: Janbergs, Holly
To: Harrington, Holly
Subject: House Hearing Update 1
Date: Wednesday, March 16, 2011 12:15:00 PM

Opening Remarks:

Whitfield:

- nuclear energy plays a vital role in our country
- we need to maximize safety and learn from what happens in Japan

Rush:

- Republican budget cuts
- support nuclear energy but not at the expensive of other energy projects
- nuke industry needs to be as transparent as possible

Shimkus:

- budget
- nuclear waste repository needs to be a priority

Waxman:

- a lot of wakeup calls in the last year that tells us we need to revise energy policy
- Republican budget cuts

Green:

- need to produce clean energy at reasonable cost

Upton:

- nuclear should be part of energy mix
- doe budget needs to be examined carefully
- reducing need for onsite storage will reduce risk for nuclear plants
- Yucca Mountain or other repository needs to become reality

Markey:

- we're not moving fast enough on KI; Obama admin needs to enforce KI laws
- taxpayers can't be on the hook for investments in nuclear plants

Chu:

- doe actions: experts, teams, monitoring equipment
- budget supporting Obama's clean energy goals

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-207

From: [Janbergs, Holly](#)
To: [Deavers, Ron](#)
Subject: FW: Please immediately close older reactors for inspection
Date: Wednesday, March 16, 2011 12:00:00 PM

-----Original Message-----

From: OPA Resource
Sent: Wednesday, March 16, 2011 10:24 AM
To: Janbergs, Holly
Subject: FW: Please immediately close older reactors for inspection

-----Original Message-----

From: info@ecologicalinternet.org [<mailto:info@ecologicalinternet.org>] On Behalf Of Alessandro Giustarini
Sent: Wednesday, March 16, 2011 10:03 AM
To: OPA Resource
Subject: Please immediately close older reactors for inspection

Dear U.S. Nuclear Regulatory Commission,

Given the worsening Japanese nuclear disaster, I am writing to demand immediate closure of U.S. nuclear energy facilities that remain operational after having exceeded their engineered operable life. Please immediately close these facilities for inspection in an orderly manner as is occurring in Europe. It is the prudent thing to do given many older reactors in the U.S. are of similar design as those melting down in Japan.

Japan is facing the worst nuclear crisis since the atomic bombing of Hiroshima and Nagasaki. Multiple explosions have hit the Fukushima Daiichi nuclear plant, several reactors have lost their cooling systems, raising fears of meltdown(s). Radiation levels have been detected as far as 100 miles away. Many people have tested positive for radiation exposure, and hundreds of thousands of have been evacuated, with the numbers expected to rise.

In the United States, some reactors which have recently had their licenses extended nearly 40 years old, and their owners are asking the Nuclear Regulatory Commission for approval to extend their lives. No further extensions should be granted, and these older reactors that have been extended must be taken off line immediately and inspected given recent happenings in Japan. Clearly these 1970s vintage era systems were not adequately engineering for infrequent but large natural disasters and increasingly human exacerbated events.

Further, it is presumptuous for the federal government to be planning to provide for \$36 billion in loan guarantees to build still more nuclear plants, when we do not yet have a permanent waste repository, or even a plan. We are dooming civilizations for hundreds of thousands of years to

II-208

having to protect and maintain enclosure upon our nuclear waste. Nuclear waste stored on site has caught fire in Japan, and the current on site storage across America is completely unacceptable.

All existing nuclear energy plants, waste and weapons are accidents waiting to happen. Nuclear complexity, potential ecological costs, natural disasters and a conflict ridden world show can never be safe. The price of nuclear fission is potentially enormous when even one accident happens, must less several as now with our Japanese brothers and sisters. In a continually more disorderly world, it is clear that no nuclear materials are secured, and that developing countries embracing nuclear energy will lead to weapon proliferation and yet more great loss of life from accidents and war. Be we could choose to ban nuclear materials in their entirety.

It is time for humanity to choose which technologies they allow based upon full preponderance of the evidence - and as an ecologist I would predict all but certain similar impacts no matter the effort from the introduction of geo-engineering, genetically modified organisms (particularly food), nanotech, etc. Nuclear fission has been shown to be deadly in the field of battle, along the coastal plains, it's unsecured wastes are growing, and through terrorist and militaristic rhetoric regarding their use in an increasingly unstable world.

Please immediately cease extending the licenses of old nuclear power plants, and shut down for inspection those which have been extended. Some technologies at their root are anti human and Earth. Let's get it done, ban the bomb, ban nuclear energy, and commit to climate and energy solutions that are serious and include life-saving energy conservation, efficiency & using only true renewables. This will soon be the only energy at our disposal if we desire a habitable Earth, and we must transform our society accordingly.

With grave concern,

Alessandro Giustarini
Italy
agiustarini@tiscali.it

cc:
President Obama; EPA Administrator, Lisa P. Jackson;
Secretary of Agriculture, Tom Vilsack; Secretary of Energy,
Steven Chu; Secretary of Interior, Ken Salazar; NOAA
Administrator, Jane Lubchenco; President's Science Advisor,
Dr. John Holden; NRC Contacts for Open Government

From: [Leslie Haig](#)
To: [Janbergs, Holly](#)
Subject: Re: Questions
Date: Wednesday, March 16, 2011 11:38:43 AM

Thanks for the information, Holly!

Best,
Leslie

On 3/15/11, Janbergs, Holly <Holly.Janbergs@nrc.gov> wrote:

> Ms. Haig,
>
> The Japanese government has formally requested assistance from the U.S. in
> light of the natural disasters that struck on Friday. Part of the U.S.
> response has been to provide equipment needed to cool the nuclear fuel,
> including portable generators.
>
> All U.S. plants except for Oconee have both diesel and battery backup
> systems. Most of the U.S. plants with diesels have two diesels per unit, and
> those that only have one dedicated diesel have a swing diesel available as
> well. Most sites plan to run the diesels for multiple days and have battery
> backup capability for eight hours. The recovery strategy for each site is
> based on providing sufficient capacity to assure that the core is cooled and
> containment integrity and other vital functions are maintained in the event
> of postulated accidents.
>
> I hope this answers your questions.
>
> Thank you,
> Bethany
>
> Beth Janbergs
> Public Affairs Assistant
> 301-415-8211
>
>

--

Leslie Haig
Haig_Enterprises@TerpAlum.umd.edu

I-209

From: Screnci, Diane
To: Landau, Mindy; Burnell, Scott; Akstulewicz, Brenda; Shannon, Valerie; Janbergs, Holly
Subject: RE: can you handle?
Date: Wednesday, March 16, 2011 10:49:49 AM

I don't have the document and don't have time to look for it. If someone could provide either the document link or an ML number... in addition to providing to CNN... that would be great.

DIANE SCRENCI
SR. PUBLIC AFFAIRS OFFICER
USNRC, RI
610/337-5330

From: Landau, Mindy
Sent: Wednesday, March 16, 2011 10:49 AM
To: Burnell, Scott; Akstulewicz, Brenda; Shannon, Valerie; Janbergs, Holly
Cc: Screnci, Diane
Subject: RE: can you handle?

Bethenny, can you handle if this is just a matter of getting him the right document?

Thanks
Mindy

From: Burnell, Scott
Sent: Wednesday, March 16, 2011 10:43 AM
To: Landau, Mindy; Akstulewicz, Brenda; Shannon, Valerie
Cc: Screnci, Diane
Subject: FW: can you handle?

I'm not in a position to answer now. Main office handle, please?

From: Screnci, Diane
Sent: Wednesday, March 16, 2011 10:41 AM
To: Burnell, Scott
Subject: can you handle?

Jim Acosta
CNN
202-515-2842

Re: Question on new earthquake risk assessment for plants across U.S. rankings – He would like a copy

DIANE SCRENCI
SR. PUBLIC AFFAIRS OFFICER
USNRC, RI
610/337-5330

I-210

From: [Operations Center Bulletin](#)
To: [Operations Center Bulletin](#)
Subject: UPDATE: NRC IS RESPONDING TO JAPANESE EVENTS
Date: Wednesday, March 16, 2011 10:41:17 AM

THIS IS NOT A DRILL

The Office of Public Affairs is expecting a large volume of calls from media and the general public regarding the latest statements from the State Department and the NRC regarding the situation in Japan. ALL CALLS from media or the general public on this topic must be referred to the 301-415-8200 number.

The NRC is coordinating its actions with other Federal agencies as part of the U.S. government response to the events in Japan. The NRC is examining all available information as part of the effort to analyze the event and understand its implications both for Japan and the United States. The NRC's Headquarters Operations Center in Rockville, MD has been stood up since the beginning of the emergency in Japan and is operating on a 24-hour basis.

NRC Incident Responders at Headquarters have spoken with the agency's counterpart in Japan and offered the assistance of U.S. technical experts. NRC representatives with expertise on boiling water nuclear reactors have deployed to Japan as part of a U.S. International Agency for International Development (USAID) team. USAID is the Federal government agency primarily responsible for providing assistance to countries recovering from disasters.

U.S. nuclear power plants are built to withstand environmental hazards, including earthquakes and tsunamis. Even those plants that are located outside of areas with extensive seismic activity are designed for safety in the event of such a natural disaster. The NRC requires that safety significant structures, systems, and components be designed to take in account the most severe natural phenomena historically estimated for the site and surrounding area.

The NRC will **not** provide information on the status of Japan's nuclear power plants. For the latest information on NRC actions see the NRC's web site at www.nrc.gov or blog at <http://public-blog.nrc-gateway.gov>.

Two important reminders:

It is possible that some of us will be requested by colleagues in another country to provide technical advice and assistance during this emergency. It is essential that all such communications be handled through the NRC Operations Center. Any assistance to a foreign government or entity must be coordinated through the NRC Operations Center and the U.S. Department of State (DOS). If you receive such a request, contact the NRC Operations Officer (301-816-5100 or via the NRC Operator) immediately.

If you receive information regarding this or any emergency (foreign or domestic) and you are not certain that the NRC's Incident Response Operations Officer is already aware of that information,

I-211

you should contact the NRC Operations Officer (301-816-5100 or via the NRC Operator) and provide that information.

Other Sources of Information:

USAID – www.usaid.gov

U.S. Department of State – www.state.gov

FEMA – www.fema.gov

White House – www.whitehouse.gov

Nuclear Energy Institute – www.nei.org

International Atomic Energy Agency – www.iaea.org/press

No response to this message is required.

THIS IS NOT A DRILL

From: [Akstulewicz, Brenda](#)
To: [Janbergs, Holly](#)
Subject: Call from DHS
Date: Wednesday, March 16, 2011 10:12:04 AM

Walter Collins
DHS – NCS
703-235-5080
Confirm radiation model we are using regarding Japan

Brenda Akstulewicz
Administrative Assistant
Office of Public Affairs
301-415-8209
brenda.akstulewicz@nrc.gov



I-212

From: Harrington, Holly
To: Harrington, Holly; Akstulewicz, Brenda; Shannon, Valerie; Landau, Mindy; Ellmers, Glenn; Janbergs, Holly; Brenner, Eliot; Burnell, Scott; Couret, Ivonne; Hayden, Elizabeth; McIntyre, David; Chandrathil, Prema; Dricks, Victor; Hannah, Roger; Ledford, Joey; Mitlyng, Viktoria; Screnci, Diane; Sheehan, Neil; Uselding, Lara
Subject: Great News!!!!!!
Date: Wednesday, March 16, 2011 9:30:42 AM

Chad Wood at DHS says he can probably get CDC to start up their call center to start taking public questions!!!!!! Stay tuned!!!!!!

Eliot – DHS working on FEMA sending us two media relations types to work extended hours and through the weekend

I-213

From: [Hasan, Nasreen](#)
To: [Janbergs, Holly](#)
Subject: RE: Items of Interest 3/11
Date: Wednesday, March 16, 2011 8:55:31 AM

Thanks Bethany! I will do that.

From: Janbergs, Holly
Sent: Tuesday, March 15, 2011 7:14 PM
To: Hasan, Nasreen
Subject: Items of Interest 3/11

Nasreen,

OPA will not be submitting our usual Items of Interest this week. If you would like to include a bulletin from OPA, it should read along the following lines:

OPA's efforts this week have been dedicated to handling inquiries regarding the unfolding situation in Japan.

Thank you,
Bethany

Beth Janbergs
Public Affairs Assistant
301-415-8211

I-214

Ghneim, Munira

From: Ghneim, Munira
Sent: Wednesday, March 16, 2011 4:05 PM
To: Burnell, Scott
Cc: Harrington, Holly; Akstulewicz, Brenda
Subject: Maxine Park -USA Today

Follow Up Flag: Follow up
Flag Status: Flagged

Good Afternoon,

Maxine Park would like someone to return her call. She would like to speak to an expert regarding nuclear safety.

Thank You
Munira Ghneim
Contract Secretary
Office of Information Services
301-415-1170

1-1-2/5

Ghneim, Munira

From: Ghneim, Munira
Sent: Wednesday, March 16, 2011 4:27 PM
To: Landau, Mindy
Cc: Harrington, Holly; Akstulewicz, Brenda
Subject: Rob Hendin - CBC- interview with Chairman

Follow Up Flag: Follow up
Flag Status: Flagged

Good Afternoon,

Rob Hendin would like to speak to someone in regards to setting up an interview with the Chairman for this Sunday's "Face the Nation".

Rob Hendin – 202-457-4450

Thank You
Munira Ghneim
Contract Secretary
Office of Information Services
301-415-1170

I-216

Shannon, Valerie

From: Shannon, Valerie
Sent: Wednesday, March 16, 2011 4:32 PM
To: Burnell, Scott
Subject: Media

Please call Adam Stefan

From: WABC- NY

Phone: 212-456-3173 ~~Ex 6~~

Re: Rankings to MSNBC Report

Val

Shannon, Valerie

From: Shannon, Valerie
Sent: Wednesday, March 16, 2011 3:41 PM
To: Burnell, Scott
Subject: Media Call

Richard Thompson

From: Times Picayune – New Orleans

Phone: 504-826-3496 ~~Ext 6~~

Re: Environmental Impact Statement

E-mail: Rthompson@timespicayune.com

Val

Shannon, Valerie

From: Shannon, Valerie
Sent: Wednesday, March 16, 2011 3:22 PM
To: Burnell, Scott
Subject: RE: Media

OK, thanks

From: Burnell, Scott
Sent: Wednesday, March 16, 2011 3:22 PM
To: Shannon, Valerie
Subject: RE: Media

As best I can. I have this one.

From: Shannon, Valerie
Sent: Wednesday, March 16, 2011 3:22 PM
To: Burnell, Scott
Subject: Media

Scott,
Are you now taking the media calls?

Peter Gold
From: Fuji TV
Phone: 202-957-7706 ~~EX 6~~
Re: Increasing distance to evacuate from nuclear plants in Japan
E-mail: peter.gold@fci-dc.com

Val

I-219

Shannon, Valerie

From: Shannon, Valerie
Sent: Wednesday, March 16, 2011 2:20 PM
To: Landau, Mindy
Subject: call

Tom Jones

From: KCOY in California (CBS affiliate)

Phone: 805-929-4748 ~~Ext 6~~

E-mail: tomjones@koy.com

Val

Shannon, Valerie

From: Shannon, Valerie
Sent: Wednesday, March 16, 2011 2:23 PM
To: Landau, Mindy
Subject: call

Nuno Dominguez

From: Publico (newspaper in Spain)

Phone: 0034-610-396227 ~~JEXG~~

E-mail: ndominguez@publico.es

Re: Mark I containment systems

Val

Royer, Deanna

From: Royer, Deanna
Sent: Wednesday, March 16, 2011 1:00 PM
To: Landau, Mindy
Subject: Media

Laura Zaccara
ABC News
(212-456-5924) *Ext*
Re: Radiation from Japan on Ocean Life

Todd Spitler
Secretary Airforce Public Affairs
Re: Document 11-04 on March 15 – NRC Analyses

Laurel Adams
Center for Public Integrity
(202-481-1214) *Ext*
Re: Crystal River – was cracked wall preventable

Jim Morris
Senator Public Integrity
(202-481-1258) *Ext*
Re: GI 199 Seismic Study

Kim Moore
Argus Media
(503.222.0652) *Ext*
Re: Are there going to be delays of relicensing plants in U.S. due to situation in Japan

Karnina Hamalainen
Science World magazine
(212-343-4786) *Ext*
Re: Japan and Nuclear power in general

Christian Cheddar Berk
CMBC.com
(201-735-4851) *Ext*
Re: Risk of Plant Document

Deanna Royer
Contract Secretary
Division of New Reactor Licensing
(301) 415-7158
Deanna.Royer@nrc.gov

Royer, Deanna

From: Royer, Deanna
Sent: Wednesday, March 16, 2011 10:55 AM
To: Landau, Mindy
Subject: Media

Ana Bickford
In the Arena
CNN

(212-275-7551) ~~Ext~~

Re: Interview status – She has been calling for 4 days

Jeff Miller
Fox News

(212-301-3287) ~~Ext~~

Re: A photo published today of Japan. Would like someone to walk through what they are looking at in the photo for the 10:00 news tonight

Deanna Royer
Contract Secretary
Division of New Reactor Licensing
(301) 415-7158
Deanna.Royer@nrc.gov

I-223

Royer, Deanna

From: Royer, Deanna
Sent: Wednesday, March 16, 2011 11:18 AM
To: Landau, Mindy
Subject: Media

Anne Yu

Fox 5 News in DC

(202-895-3114) *Ext*

Re: Did a phone interview with Niel Sheehan and would like a guest tomorrow for a live show in DC

Deanna Royer

Contract Secretary

Division of New Reactor Licensing

(301) 415-7158

Deanna.Royer@nrc.gov

I-224

Royer, Deanna

From: Royer, Deanna
Sent: Wednesday, March 16, 2011 11:23 AM
To: Landau, Mindy
Subject: Media

Ayesha Rascoe
Reuters
(202-310-5683) *Ex 6*
Re: Nuclear Power Rankings

Deanna Royer
Contract Secretary
Division of New Reactor Licensing
(301) 415-7158
Deanna.Royer@nrc.gov

I-225

Royer, Deanna

From: Royer, Deanna
Sent: Wednesday, March 16, 2011 11:26 AM
To: Landau, Mindy
Subject: Media

Greg Dierkers
National Governing Association
(202-624-7789) ~~Ex 6~~
Re: Creating Panel

Deanna Royer
Contract Secretary
Division of New Reactor Licensing
(301) 415-7158
Deanna.Royer@nrc.gov

I-226

Royer, Deanna

From: Royer, Deanna
Sent: Wednesday, March 16, 2011 11:35 AM
To: Landau, Mindy
Subject: Media

Alan Boyle
MSNBC
(425-706-1867) ~~Ext 6~~
Re: Debris from Japan

Deanna Royer
Contract Secretary
Division of New Reactor Licensing
(301) 415-7158
Deanna.Royer@nrc.gov

I-227

Royer, Deanna

From: Royer, Deanna
Sent: Wednesday, March 16, 2011 12:21 PM
To: Landau, Mindy
Subject: Media

John Shumway
KDKA
(412-559-3429) *Ext*
Re: Interview regarding U.S. Sites

Michael Grabell
(917-512-0217) *Ext*
ProPublic
Interview
I apologize I didn't get a subject

Laura Strickler
CBS
(202-457-1597) *Ext*
Re: Our confidence in the measures Japan is taking

Deanna Royer
Contract Secretary
Division of New Reactor Licensing
(301) 415-7158
Deanna.Royer@nrc.gov

I-228

Royer, Deanna

From: Royer, Deanna
Sent: Wednesday, March 16, 2011 3:05 PM
To: Burnell, Scott
Subject: Media call

Bob Keeler
Newsday in NY
(631-843-2906) *Ext 6*
Re: Questions on numbers of plants.

Deanna Royer
Contract Secretary
Division of New Reactor Licensing
(301) 415-7158
Deanna.Royer@nrc.gov

I-229

Royer, Deanna

From: Royer, Deanna
Sent: Wednesday, March 16, 2011 3:03 PM
To: Burnell, Scott
Subject: Media Call

Brian

Washington Post

(202-334-5684) *ex b*

Washington Post

Re: Helicopter Operations in Japan – What levels of radiation in the U.S. would cause us to abort such a mission.

Deanna Royer

Contract Secretary

Division of New Reactor Licensing

(301) 415-7158

Deanna.Royer@nrc.gov

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