

**Chang, Richard**

---

**From:** Chang, Richard  
**Sent:** Monday, February 07, 2011 7:36 AM  
**To:** Santiago, Patricia  
**Subject:** RE: follow-up on the cost of accidents and the economics of safety

Pat,

4/18-22 is potentially do-able...but I would prefer not, because the idea would be that we are finalizing our Appendix B during that time.

Thanks,

Richard

**From:** Santiago, Patricia  
**Sent:** Friday, February 04, 2011 2:55 PM  
**To:** Navarro, Carlos  
**Cc:** Chang, Richard  
**Subject:** FW: follow-up on the cost of accidents and the economics of safety

Carlos, see if the fourth week in May (5/23-27) or going into June is good for Nate/you.

Richard...can we even think about 4/18-22 with SOARCA recognizing Nate may be ok with that week but are we really.

thanks

**From:** Coyne, Kevin  
**Sent:** Friday, February 04, 2011 2:43 PM  
**To:** Santiago, Patricia  
**Subject:** RE: follow-up on the cost of accidents and the economics of safety

Pat –

Since nothing is ever easy... The second week of May turns out to not be good for us (Nathan Siu is on travel). Although the third week of May is good for you and workable for us, I just realized that it is the national emergency exercise week and I think it would be tough to gain traction then (plus we'd like to engage DHS and I think they will be pretty busy). So, what about the fourth week in May (5/23-27) or going into June? I still have the third week of April as a possibility (4/18-22) but I realize this wasn't your top preference and going any earlier was clearly not good for you.

Information in this record was deleted  
in accordance with the Freedom of Information  
Act, exemptions (b)(6)  
FOIA- 2011-0083

Thoughts?

**From:** Santiago, Patricia  
**Sent:** Wednesday, February 02, 2011 6:39 PM  
**To:** Coyne, Kevin  
**Subject:** RE: follow-up on the cost of accidents and the economics of safety

Kevin

Thank you for your help and understanding. I talked to the team and the time periods best to support this are third week of May (preferred) or third week in April.

Can you change the SOARCA Project Discussion title to MACCS2 planned improvements to the economic model hours) – RES (Navarro/SNL), NSIR (Sullivan).

Just to note on the next topic, I am not sure whether this will be Tina or someone else.....Open Discussion with RES staff (2 hours) – RES (Ghosh, Navarro, Helton, Siu, Stutzke, Cupidon) – can include implications for proposed site Level 3 project.

Thanks again

Pat

**From:** Coyne, Kevin  
**Sent:** Friday, January 28, 2011 1:45 PM  
**To:** Richter, Brian; Reed, Timothy; Ghosh, Tina; Navarro, Carlos; Sullivan, Randy; Milligan, Patricia; Cupidon, Les; Navarro, Carlos; Gallucci, Ray; Parillo, John; Siu, Nathan; Stutzke, Martin  
**Cc:** Regan, Christopher; Helton, Shana; Kahler, Robert; Santiago, Patricia; Dehn, Jeff; Sangimino, Donna-Marie; Dube, Donald; Helton, Donald; Tate, Travis; Lui, Christiana; Coe, Doug; Barnes, Valerie  
**Subject:** RE: follow-up on the cost of accidents and the economics of safety

Patrick Momal, an economist from IRSN, would like to visit the NRC in the late March early April time frame to discuss some of their recent work in the area of cost-benefit analysis and the economic impact of severe nuclear plant accidents (I've attached one of his recent PSAM papers for background – though the paper probably doesn't do the scope of the work justice). This visit is a follow-up to a previous discussion we held back in October. IRSN has proposed a three day meeting (likely to be held Tuesday-Thursday). Three days is probably more than any single office could support, but since there are three main offices that touch on this area, there probably is enough material to support a meeting close to this length. I'd like to turn the formal scheduling over to OIP as soon as possible, but wanted to run this very rough draft agenda by you to see if this is feasible:

#### Day 1

- IRSN presentation on their cost benefit work (2 hours)
- NRC Regulatory Analysis Process use of Cost-Benefit Analysis (2 hours) – NRR (Reed, Richter, Parillo/Gallucci?), RES (Cupidon?). Discussion points can include NRC reg analysis guidelines and application to rulemaking and SAMA reviews

- Open Discussion (3 hours)
- Other?

**Day 2**

- SOARCA Project Discussion (2 hours) – RES (Ghosh, Navarro), NSIR (Sullivan)
- Open Discussion with RES staff (2 hours) – RES (Ghosh, Navarro, Helton, Siu, Stutzke, Cupidon) – can include implications for proposed site Level 3 project.
- IRSN Informal “how things fail” Seminar (2 hours) – RES (Siu)
- Other?

**Day 3**

- NSIR Perspective on Cost-Benefit Analysis Accident Economic Impact (2 hours) – NSIR (Milligan, Sullivan)
- Other? (perhaps HQ Ops Center tour and overview of NRC emergency response)

IRSN has also been engaging Commissioners Apostolakis and Ostendorf on this topic; the “other” line items could be used to schedule separate meetings as appropriate. We are also evaluating if other federal agencies may have an interest in the discussions (e.g., DHS). Based on earlier feedback, I think the weeks of either March 21 or April 4 would work best (though I have a preference for April). Let me know if this outline is feasible.

Thanks for your help!

Kevin

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

(b)(6)

**EX 6**