

From: Rihm, Roger
To: Landau, Mindy; Muesle, Mary; Virgilio, Martin; Weber, Michael; Ash, Darren; Borchardt, Bill
Cc: Bergman, Thomas; Shams, Mohamed
Subject: FW: final NRC letter
Date: Friday, March 11, 2011 3:47:10 PM
Attachments: NRC Japan earthquake letter 03.11.11.pdf

FYI

From: Weil, Jenny
Sent: Friday, March 11, 2011 3:44 PM
To: Rihm, Roger
Subject: Fw: final NRC letter

Just a heads up on a new letter from Rep. Markey.

Sent via BlackBerry
Jenny Weil
Congressional Affairs Officer
U.S. Nuclear Regulatory Commission

(b)(6)

From: Freedhoff, Michal <Michal.Freedhoff@mail.house.gov>
To: Weil, Jenny
Sent: Fri Mar 11 15:29:32 2011
Subject: FW: final NRC letter

Michal Ilana Freedhoff, Ph.D.
Policy Director
Office of Congressman Edward J. Markey (D-MA)
2108 Rayburn House Office Building
Washington, DC 20515
202-225-2836

HHH/7

COMMITTEES
NATURAL RESOURCES
BANKING DEMOCRAT
ENERGY AND COMMERCE

EDWARD J. MARKEY
7TH DISTRICT, MASSACHUSETTS

2165 HAYBURN HOUSE OFFICE BUILDING
WASHINGTON, DC 20515-2107
(202) 225-2836

DISTRICT OFFICES:

5 HIGH STREET, SUITE 101
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<http://markey.house.gov>

Congress of the United States
House of Representatives
Washington, DC 20515-2107

March 11, 2011

The Honorable Greg Jaczko
Chairman
Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852

Dear Chairman Jaczko:

I write to request information related to the potential impacts of the devastating earthquake in Japan on that country's nuclear facilities, as well as on the implications for our own domestic industry.

The 8.9 magnitude earthquake has caused some serious damage at two nuclear facilities in Japan. The Japanese government declared an "atomic power emergency."¹ Fukushima Daiichi nuclear power plant has experienced a failure associated with its emergency diesel generators, preventing the flow of water into its cooling system. To reduce rising pressure inside the Fukushima reactor, slightly radioactive vapor is being released.² Residents within a 3 km radius of Fukushima have been evacuated.³ The United States Air Force also reportedly delivered equipment that could be used to cool the reactor.⁴ The International Atomic Energy Agency (IAEA) is seeking information about whether the flow of cooling water has been restored, and about other nuclear power plants and research reactors in Japan.⁵ Nuclear fuel requires continued cooling even after a plant has shut down. Failure of the cooling system for many hours is what resulted in a partial core melt at Three Mile Island in 1979.⁶ There was also a fire in a turbine building at the Onagawa nuclear facility; Japanese authorities reported to the IAEA that it had been extinguished.⁷

The earthquake and tsunami pose threats to nuclear facilities in the United States. Your staff has informed mine that the Diablo Canyon nuclear power plant in San Luis Obispo, California has declared an 'unusual event' because of the tsunami warnings that have been issued. Taiwan, which has six nuclear reactors, issued a tsunami alert.

¹ <http://www.nytimes.com/2011/03/12/world/asia/12nuclear.html>

² http://www.msnbc.msn.com/id/42025882/ns/world_news-asia-pacific/

³ <http://www.reuters.com/article/2011/03/11/us-quake-japan-iaea-statement-idUSTRE72A2F820110311>

⁴ <http://www.reuters.com/article/2011/03/11/japan-quake-reactor-idUSL3E7EB2AH20110311>

⁵ <http://www.iaea.org/newscenter/news/2011/tsunamiupdate.html>

⁶ <http://www.nytimes.com/2011/03/12/world/asia/12nuclear.html>

⁷ <http://www.reuters.com/article/2011/03/11/us-quake-japan-iaea-statement-idUSTRE72A2F820110311>

This disaster serves to highlight both the fragility of nuclear power plants and the potential consequences associated with a radiological release caused by earthquake-related damage. We must ensure that America's nuclear power plants can withstand a catastrophic event and abide by the absolute highest standards for safety. Last year, I requested a GAO investigation⁸ into the adequacy of Commission regulations associated with seismic safety. Earlier this week, I wrote⁹ you regarding the Commission's pending approval of the design for the AP1000 nuclear reactor, in light of concerns raised by one of the Commission's most long-serving staff that there is a risk that an earthquake at the AP1000 could result in a catastrophic core meltdown. According to this individual:

- The AP1000 shield building failed tests because it is brittle, and could shatter "like a glass cup". About 60 percent of the shield building would consist of a building material that "failed miserably" in a physical test of its ability to withstand out-of-plane shear, one of the forces caused by an earthquake.
- Weak and inadequate computer simulations were used to "prove" the reactor shield is "strong enough".
- Earthquake forces may have been underestimated by Westinghouse.

My concerns about the vulnerabilities of the AP1000 reactor design are only heightened by the reports of the effect of the Japanese quake on their reactors.

I request your prompt attention to the questions raised in my earlier letter. In addition, I request that you provide me with responses to the following questions:

- 1) Please provide me with a detailed description of the earthquake and tsunami-related damage experienced by the nuclear facilities in Japan. If earthquake and tsunami-related damages are reported at other nuclear facilities, please also provide me with a detailed description of these damages. Please ensure that your response includes:
 - a. a description of each specific failure that occurred
 - b. the cause of each specific failure
 - c. whether any radiological release occurred because of the failure
 - d. whether each specific failure could have caused a radiological release if not promptly mitigated and
 - e. how long each specific failure will take to fully repair
- 2) Please also indicate in your response whether you believe each nuclear power plant design a) that is currently in operation in this country, or b) a license for which has been submitted for approval to the Commission for eventual construction and operation in this country can withstand an earthquake or tsunami that is comparable in strength to the one experienced in Japan.
- 3) Please inform me whether you believe that what happened at the Japanese reactors as a result of the earthquake suggests any need for safety improvements at any U.S. reactor, and if so, what actions the Commission is taking to ensure such improvements are made.

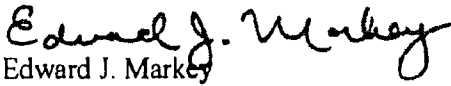
⁸ <http://markey.house.gov/docs/gaoinspection.pdf>

⁹ <http://markey.house.gov/docs/3-7-11.ejmtomrc.pdf>

- 4) Please inform me whether the events in Japan indicate any need for changes to the emergency response plans of U.S. nuclear power plants. Would these plans be adequate in a situation where emergency responders and other resources are needed to deal with many problems simultaneously?
- 5) Please indicate whether NRC regulations require nuclear reactor operators to have emergency backup power for long enough to maintain safe conditions through a crisis such as that occurring in Japan, where power may not come back online for days?¹⁰

Please provide your response no later than close of business on Friday April 8, 2011. If you have any questions or concerns, please have your staff contact Dr. Michal Freedhoff or Dr. Ilya Fischhoff of my staff at 202-225-2836.

Sincerely,


Edward J. Markey

¹⁰ <http://www.nrc.gov/reading-rm/doc-collections/cfr/part050/part050-0063.html>

Hogan, Rosemary

From: Kammerer, Annie
Sent: Friday, March 11, 2011 2:27 PM
To: RES_DE_SGSEB; Richards, Stuart; Case, Michael; Uhle, Jennifer; Jones, Henry; Raione, Richard
Subject: Fw: Update - Diablo Canyon UE Following Tsunami Warning
Attachments: Document.pdf

The bulk of the tsunami seems to be over at DCNPP

Cheers,
Annie

Sent from an NRC blackberry
Annie Kammerer

(b)(6)

annie.kammerer@nrc.gov

From: Braisted, Jonathan
To: Miller, Geoffrey
Cc: Collins, Elmo; Kennedy, Kriss; Pruett, Troy; Howell, Linda; Wang, Alan; Deese, Rick; Denissen, Christie; Trapp, James; Dricks, Victor; Uselding, Lara; Polickoski, James; Markley, Michael; Kammerer, Annie; Howell, Art; Farnholtz, Thomas; Vogel, Anton; Peck, Michael
Sent: Fri Mar 11 14:11:32 2011
Subject: Update - Diablo Canyon UE Following Tsunami Warning

All,

Update as of 1100 hours PST: The licensee remains in an unusual event for the tsunami warning. Both units are currently stable and operating at full power. The licensee has permitted the night shift to leave via the north access road. The south (Avila Beach) access road remains closed. The licensee has resumed normal watch of the intake building. The attached document shows a plot of predicted and observed water level versus time. The licensee anticipates the tsunami warning will be lifted around noon PST and would then exit the unusual event.

Regards,
Jon

Jonathan D. Braisted
Diablo Canyon Resident Office
U.S. Nuclear Regulatory Commission
(805) 595-2354 - Office
(805) 595-2355 - Fax

From: Peck, Michael
Sent: Friday, March 11, 2011 7:10 AM
To: Miller, Geoffrey
Cc: Collins, Elmo; Kennedy, Kriss; Pruett, Troy; Howell, Linda; Wang, Alan; Deese, Rick; Denissen, Christie; Braisted,

HHH/2

Hogan, Rosemary


From: Richards, Stuart
Sent: Friday, March 11, 2011 2:40 PM
To: Hogan, Rosemary; Murphy, Andrew; Kammerer, Annie
Subject: FW: Press Release: NRC Monitors Notice of Unusual Event at Diablo Canyon Power Plant, Tsunami Issues
Attachments: 11-042.docx

Fyi
Stu

From: OPA Resource
Sent: Friday, March 11, 2011 11:59 AM
To:
Subject: Press Release: NRC Monitors Notice of Unusual Event at Diablo Canyon Power Plant, Tsunami Issues

Attached for immediate posting and release.


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



5th NRC – AERB Nuclear Safety Projects Meeting
February 7 – 11, 2005 Mumbai, India

Tsunami Requirements and Measures


Nilesh C. Chokshi, Chief
Operating Experience Risk Analysis Branch
Division of Risk Analysis and Applications
Office of Nuclear Regulatory Research
ncc@nrc.gov 301-415-0190



Tsunami Regulations, Guidelines and References

10 CFR PT. 100.23
American National Standard Institute (ANSI)
N170-1992, "Standards for Determining Design Basis Flooding at Power Reactor Sites"
Regulatory Guide 1.102, "Flood Protection for Nuclear Power Plants," Rev. 1 1976
Regulatory Guide 1.59, "Design Basis for Nuclear Power Plants," Rev. 2, 1977
US NRC, Standard Review Plan, "Probable Maximum Tsunami Flooding," Section 2.4.6

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Regulations and Guidelines on Tsunami

10 CFR 100.23 – Geological and seismic siting criteria
The size of seismically induced floods and water waves that could affect a site from either locally or distantly generated seismic activity must be determined

ANSI N170 – Standards for Determining Design Basis Flooding at Power Reactor Sites
Probable maximum flood is the hypothetical flood (peak discharge, volume, and hydrograph shape) that is considered to be the most severe reasonably possible, based on hydrologic factors favorable for maximum flood runoff such as sequential storms or snowmelt.

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Regulations and Guidelines on Tsunami (Cont.)

RG 1.102 – Flood Protection for Nuclear Power Plants
Describes types of flood protection acceptable to the NRC staff

Exclosure Barriers
Levee – embankment to protect land from inundation
Seawall or floodwall – a structure separating land and water areas, primarily to prevent erosion and other damage due to wave action
Bulkhead – similar to levee, purpose is to enclose the land area

Incorporated Barriers
Protection provided by specially designed walls and penetration closures. Walls are usually reinforced concrete designed to resist static and dynamic forces of a Design Basis Flood Level of Probable Maximum Flood

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Regulations and Guidelines on Tsunami (Cont.)

RG 1.59 – Design Basis Floods for Nuclear Power Plants
The most severe seismically induced floods reasonably possible should be considered for each site.
Tsunami requires consideration of seismic events of the severity of the Safe Shutdown Earthquake occurring at the location that would produce the worst such flood at the nuclear power plant site.

US NRC, Standard Review Plan, "Probable Maximum Tsunami Flooding," Section 2.4.6, Rev. 2
Areas of Review
Protect a maximum tsunami potential hazard to avoid wave setup and overtopping
Hydrologic characteristics of maximum locally and distantly generated tsunami (e.g., sediment, bathymetry)
Geological and tectonic characteristics of potential tsunami faults (e.g., magnitude, local and global tectonic, fault orientation, and vertical displacement)

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Tsunami Requirements and Measures taken at U.S. NPPs on the West Coast

Table 1.1.1
The following table summarizes the following two aspects of tsunami:

1. Design Basis Flood (DBF) Requirements
The DBF is the maximum flood that a nuclear power plant must be designed to resist. The DBF is determined by the NRC staff based on the results of the seismic hazard analysis (SHA) and the tsunami hazard analysis (THA). The DBF is the maximum flood that a nuclear power plant must be designed to resist. The DBF is determined by the NRC staff based on the results of the SHA and the THA.

2. Design Basis Flood (DBF) Requirements
The DBF is the maximum flood that a nuclear power plant must be designed to resist. The DBF is determined by the NRC staff based on the results of the SHA and the THA.

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Lee, Richard

From: Gibson, Kathy
Sent: Friday, March 11, 2011 4:29 PM
To: RES_DSA
Subject: Fw: 1600 EST USNRC Earthquake/Tsunami Status Update
Attachments: Earthquake-TsunamiUpdate.031111.1600EST.docx
Importance: High

From: Sheron, Brian
To: Bonaccorso, Amy; Calvo, Antony; Case, Michael; Coe, Doug; Correia, Richard; Dion, Jeanne; Gibson, Kathy; Lui, Christiana; Richards, Stuart; Rini, Brett; Sangimino, Donna-Marie; Uhle, Jennifer; Valentin, Andrea
Sent: Fri Mar 11 16:26:16 2011
Subject: FW: 1600 EST USNRC Earthquake/Tsunami Status Update

From: Mroz (Sahm), Sara
Sent: Friday, March 11, 2011 4:23 PM
To: Hipschman, Thomas; Marshall, Michael; Batkin, Joshua; Bubar, Patrice; Castleman, Patrick; Snodderly, Michael; Orders, William; Franovich, Mike; Wittick, Brian; Andersen, James; Trapp, James; Leeds, Eric; Brenner, Eliot; Miller, Charles; Wiggins, Jim; Johnson, Michael; Sheron, Brian; Schmidt, Rebecca; Haney, Catherine; Pace, Patti; Sosa, Belkys; Nieh, Ho; Sharkey, Jeffery; Harrington, Holly; Dyer, Jim; Maier, Bill; Howell, Linda; (b)(6)
vanessa.quinn@dhs.gov; michelle.ralston@dhs.gov; seamus.o'boyle@dhs.gov; timothy.greten@dhs.gov; peter.lyons@hq.doe.gov; james.kish@dhs.gov
Cc: LIA01 Hoc; LIA12 Hoc; Decker, David; Shane, Raeann
Subject: 1600 EST USNRC Earthquake/Tsunami Status Update
Importance: High

Attached, please find a 1600 EST status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami on March 11, 2011.
Please call the Headquarters Operations Officer at 301-816-5100 with questions.
-Sara

Sara K. Mroz
Communications and Outreach
Office of Nuclear Security and Incident Response
US Nuclear Regulatory Commission
sara.mroz@nrc.gov

HHH-3.

Attachment Earthquake-TsunamiUpdate.031111.1600EST.docx (19394 Bytes) cannot be converted to PDF format.

From: Layton, Michael
To: Correia, Richard
Subject: RE: FYI - Earthquake 8.9 magnitude coast of Honshu, Japan
Date: Friday, March 11, 2011 9:08:10 AM

Current status

Diablo Canyon declared a UE in anticipation (4 am call for Miss Jane), principally for the non-nuc portions of the plant. They are not expecting enough of a wave (about 1 meter) to cause problems with the nuc plant. Diablo will use this as a test of their tsunami procedures. Humbolt Bay ISFSI is also on alert (these are the horizontal NUHOMS casks).

Region IV is leading communication coordination with west coast states and Alaska. No real worry about radioactive materials licensees.

Most of Japanese delegation from the RIC is stuck here. We're making the Ops Center available for them to keep in touch and have information feeds available.

Will keep you apprised.

MCL

From: Correia, Richard
Sent: Friday, March 11, 2011 8:42 AM
To: Jackson, Gerard
Cc: Purdy, Gary; Layton, Michael
Subject: Re: FYI - Earthquake 8.9 magnitude coast of Honshu, Japan

Thx Gerry. Watching the weather channel as we speak it appears the initial waves are arriving on Hawaii. Nothing significant at point but apparently it typically takes hours for the entire event to occur.
Rich Correia, Director
Division of Security Policy
NSIR

From: Jackson, Gerard
To: Correia, Richard
Cc: Purdy, Gary
Sent: Fri Mar 11 08:35:10 2011
Subject: RE: FYI - Earthquake 8.9 magnitude coast of Honshu, Japan

Sir,

A Tsunami *Warning* continues in effect for the coastal areas of California and Oregon from Point Concepcion, California to the Oregon-Washington border.

A Tsunami *Advisory* continues in effect for the coastal areas of California from the California-Mexico border to Point Concepcion, California.

Activity at Midway Is. USA 28.2N 177.4W 1044UTC 05.1FT/01.55M

HHH/4

See:

<http://wcatwc.arh.noaa.gov/2011/03/11/hvdpd9/08/message/hvdpd9-08.htm>

Estimated arrival times for California:

Point Sur, California	0742 PST MAR 11 1542 UTC MAR 11
Monterey, California	0744 PST MAR 11 1544 UTC MAR 11
Ragged Point, California	0750 PST MAR 11 1550 UTC MAR 11
Point Concepcion, California	0757 PST MAR 11 1557 UTC MAR 11
Port San Luis, California	0803 PST MAR 11 1603 UTC MAR 11
San Francisco, California	0808 PST MAR 11 1608 UTC MAR 11
Santa Barbara, California	0817 PST MAR 11 1617 UTC MAR 11
Rincon Point, California	0828 PST MAR 11 1628 UTC MAR 11
Santa Monica, California	0831 PST MAR 11 1631 UTC MAR 11
San Pedro, California	0832 PST MAR 11 1632 UTC MAR 11
Newport Beach, California	0837 PST MAR 11 1637 UTC MAR 11
La Jolla, California	0841 PST MAR 11 1641 UTC MAR 11



V/r

Gerry Jackson

301-415-7644
NSIR/DSP/MWISB

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

From: Correia, Richard
Sent: Friday, March 11, 2011 5:28 AM
To: Jackson, Gerard
Subject: FW: FYI - Earthquake 8.9 magnitude coast of Honshu, Japan

Gerry. What's the word from the USCG on coastal alerts for tsunamis?
Rich Correia, PE
Division of Security Policy Director
NSIR
NRC

From: McDermott, Brian
Sent: Friday, March 11, 2011 4:55 AM
To: Wiggins, Jim; Evans, Michele
Cc: Correia, Richard; Holahan, Patricia
Subject: FYI - Earthquake 8.9 magnitude coast of Honshu, Japan

Brian

Brian McDermott
301-415-7475 (direct)

(b)(6)

From: NCS <Ncs@dhs.gov>
To: NCS <Ncs@dhs.gov>
Sent: Fri Mar 11 02:10:18 2011
Subject: NCS/NCC Watch Request for Information 2011 # 41 Earthquake 8.9 magnitude coast of Honshu, Japan

To NCC Communications ISAC Industry Reps Only and Government Reps Only
Info addressees below:

Please see the below and attached NCS/NCC Watch Request for Information (RFI) 2011-041 regarding the USGS reported 8.9 -magnitude Earthquake off the coast of Honshu, Japan on Friday, 11 March 2011 at 0046 EST.

RFI RELEASE DATE/TIME:
11 March 2011, 0200 EST

INFORMATION REQUESTED:

NCC Watch is still assessing this event. It is very early in the event and the situation will change.

The National Coordinating Center (NCC) is requesting information on any issues/unmet needs and impacts to communications infrastructure or service, due to United States Geological Survey (USGS) source report of an 8.8 magnitude earthquake that occurred off the coast of Honshu, Japan at a depth of 15.2 miles. Open source reported It triggered a tsunami warning for various countries, including Japan and Russia, the National Weather Service said. "Earthquakes of this size are known to generate tsunamis potentially dangerous to coasts outside the source region," it said.

The NCC Watch will follow up on Friday, 11 March 2011 by 0600 EST, with an NCC Watch Advisory summarizing all reported feedbacks.

INCIDENT:

The epicenter and adjacent landmarks of the earthquake are reported as follows:

130 km (80 miles) E of Sendai, Honshu, Japan
178 km (110 miles) E of Yamagata, Honshu, Japan
178 km (110 miles) ENE of Fukushima, Honshu, Japan
373 km (231 miles) NE of TOKYO, Japan

KNOWN CAUSE:

Natural phenomenon

DURATION:

Unknown

CURRENT ACTIONS:

The NCC Watch will continue to monitor the situation for impact to communications infrastructure and service.

SOURCES:

<http://earthquake.usgs.gov/earthquakes/recenteqsww/Quakes/usc0001xgp.php>

<http://wcatwc.arh.noaa.gov/2011/03/11/lhvpd9/01/message1hvpd9-01.htm>

<http://www.cnn.com/2011/WORLD/asiapcf/03/11/japan.quake/index.html?hpt=T1#>

National Coordinating Center - Communications ISAC

NCS
DHS
703.235.5080
ncs@dhs.gov
ncs@dhs.sgov.gov
ncs@dhs.ic.gov
EFS

Info addressees:

DHS Management
NCS Management
NCS ExecSec
N3 Management
NCC Ops Staff
NCS Regional Communications Coordinators (RCC)
NCS COP/COR Representatives
NCS IMAs
NCS Mission Assignment POCs
HITRAC
OSTP
US-CERT SWO
US-CERT Operations
DHS NOC
NICC
NTOC Watch Officer
NSIRC
ICIRC
CYBERCOM
CYBERCOM Liaison
CYBERCOM ASI Manager
DISA-DCC ASI Manager
IP IMC
FS-ISAC
Electricity Sector ISAC
MS-ISAC
IT-ISAC
ST/PT ISAC
GSA ESF-2 Regional Managers
FEMA NRCC
FEMA Disaster Emergency Communications (DEC) POCs
FCC Comm Center

Attachment Tsunami Trave Times.docx (1722433 Bytes) cannot be converted to PDF format.

From: Butner, Gary (CDPH-RHB)
To: Sicilia, Michael (CDPH-OPA)
Cc: Browder, Rachel
Subject: RE: NRC Continues to Track Earthquake and Tsunami Issues
Date: Friday, March 11, 2011 6:25:49 PM

Good question Michael,

I will get answer for you from NRC that licenses the CA plants.

From: Sicilia, Michael (CDPH-OPA)
Sent: Friday, March 11, 2011 3:25 PM
To: Butner, Gary (CDPH-RHB); Klein, Miren (CDPH-CEH)
Cc: Lyman, Betsey (CDPH-DIR); Huck, Russ (CDPH-DFDRS-RHB)
Subject: RE: NRC Continues to Track Earthquake and Tsunami Issues

It's just the ex-reporter in me but I notice the news release doesn't specify how big an earthquake or how great a tsunami that CA nuclear power plants are built to withstand. Anybody know that?

Michael Sicilia
Assistant Deputy Director
Office of Public Affairs
California Department of Public Health
916.440.7259 office

(b)(6)

The California Department of Public Health is dedicated to optimizing the health and well-being of the people in California.

From: Butner, Gary (CDPH-RHB)
Sent: Friday, March 11, 2011 2:37 PM
To: Klein, Miren (CDPH-CEH); Sicilia, Michael (CDPH-OPA)
Cc: Lyman, Betsey (CDPH-DIR); Huck, Russ (CDPH-DFDRS-RHB)
Subject: FW: NRC Continues to Track Earthquake and Tsunami Issues

Specifically for CA from NRC

Subject: NRC Continues to Track Earthquake and Tsunami Issues

HHH, '15

From: Burnell, Scott
To: Brenner, Eliot; Hayden, Elizabeth
Subject: Fw: [SocialMedia] NEI on the job
Date: Saturday, March 12, 2011 11:41:40 PM
Attachments: ATT00001.txt

Sunday afternoon "US communicators" call?

Sent from an NRC Blackberry
Scott Burnell
(b)(6)

From: socialmedia-bounces@list.ans.org <socialmedia-bounces@list.ans.org>
To: Social Media <socialmedia@list.ans.org>; Social Media <socialmedia@list.ans.org>
Sent: Sat Mar 12 23:33:47 2011
Subject: [SocialMedia] NEI on the job

Inquiries from **national** media are being sent to NEI from member communicators around the country using their response center media line at 703.644.8805 or to media@nei.org.

As mentioned previously, Marv Fertel will be on Meet the Press on Sunday.

Also, NEI is having a national call with all US communicators on Sunday afternoon.

A dedicated NEI web site offered considerable information:

<http://www.nei.org/newsandevents/information-on-the-japanese-earthquake-and-reactors-in-that-region>

Yes, it is fair to say that "crisis communications/PR efforts are underway" by NEI and have been since the beginning of this disaster. With events still unfolding, public service announcements are not what is needed.

Margie

Margie P. Jepson, MBA
External Communications Manager
Entergy Nuclear
1340 Echelon Parkway
Jackson, MS 39213
W 601-368-5460

(b)(6)
mjepson@entergy.com

From: socialmedia-bounces@list.ans.org on behalf of Suzanne Hobbs
Sent: Sat 3/12/2011 5:22 PM
To: Social Media
Subject: Re: Re: [SocialMedia] FW: Markey Warns that Japan Nuclear Accident Could Happen Here

I hope that NEI is on the job. Does anyone on the list know if crisis communications/PR efforts are underway? We could really use some public service announcements about now.

HHH,'6

From: Eben Burnham-Snyder (b)(6)
Sent: Saturday, March 12, 2011 1:15 PM
To: undisclosed-recipients:
Subject: Markey Warns that Japan Nuclear Accident Could Happen Here

FOR IMMEDIATE RELEASE

Contact: Eben Burnham-Snyder, Rep. Ed Markey, 202-494-4486

Giselle Barry, Rep. Ed Markey, 202-510-3240

Markey Warns that Japan Nuclear Accident Could Happen Here

Congressman Recommends Actions to Prevent Similar Event in America

WASHINGTON (March 12, 2011) -- Representative Edward J. Markey (D-Mass.), the top Democrat on the House Natural Resources Committee and a senior Democratic member of the House Energy and Commerce Committee, today warned that a nuclear accident such as the one currently unfolding in Japan could easily take place in the United States.

I am shocked by the devastation that has already been caused by the earthquake and tsunami in Japan. It is heart-breaking to see the destruction that has already taken place, and to hear of so many people being killed or injured, said Rep. Markey. As a result of this disaster, the world is now facing the looming threat of a possible nuclear meltdown at one of the damaged Japanese nuclear reactors. I hope and pray that Japanese experts can successfully bring these reactors under control and avert a Chernobyl-style disaster that could release large amounts of radioactive materials into the environment.

I am also struck by the fact that the tragic events now unfolding in Japan could very easily occur in the United States. What is happening in Japan right now shows that a severe accident at a nuclear power plant can happen here," said Rep. Markey.

Rep. Markey, who has served for 36 years on the House committees that have oversight over the Nuclear Regulatory Commission (NRC) and the nuclear power industry, today called for several specific policies that the Obama administration and the NRC need to consider putting in place in light of the current Japanese nuclear reactor crisis:

--Imposing a moratorium on siting new nuclear reactors in seismically active areas until the completion of a top-to-bottom review of seismic and tsunami reactor design resiliency, emergency response and evacuation plans.

--Requiring operating reactors located in seismically active zones to be retrofitted with stronger containment and more resilient safety systems.

--Requiring more realistic emergency response and evacuation procedures

HHH/7

in the event of a nuclear disaster., such as the one in Japan, in which the nuclear disaster is not the sole crisis unfolding and emergency responders are needed in many other places.

--Requiring a top-to-bottom review of whether design flaws in impacted Japanese reactors -- at least one design is utilized in 23 reactors in the United States -- contributed to problems preventing the safe shut-in of the reactors in the aftermath of the earthquake. The Fukushima Daiichi is a General Electric Boiling Water Reactor with Mark containment, the same type as 23 reactors in the United States.

--Requiring a comprehensive review of whether backup power and reactor coolant systems are adequate to deal with long power outages associated with earthquakes, acts of terrorism or other major disasters.

--Requiring a review of the U.S. Department of Energy's loan guarantee to program evaluate whether the current "risk premium" assessed for pending loan guarantees for nuclear power plants needs to be adjusted to more fully account for the financial risks of a nuclear accident in the aftermath of the Japanese nuclear reactor crisis and the likely financial market response to that crisis, and ensuring that DOE does not award even conditional loan guarantees for construction of nuclear reactors whose designs have been determined to be seismically safe.

--Reversing a decision made by the Bush administration decision to ignore a 2002 law, authored by Rep. Markey, requiring the distribution of potassium iodide to residents living within 20 miles of nuclear power plants. Potassium iodide is a safe, effective and inexpensive means of protecting against the cancer-causing effects of radioactive iodine, which has already been detected around one of the impacted Japanese reactors.

--Suspending the NRCs pending approval of the design for the AP 1000, a new nuclear reactor design. One of NRC's most senior staff warned that the containment structure for this reactor design would not be able to withstand a strong earthquake and it was so brittle it could shatter like a glass cup under sufficient stress. That revelation led Rep. Markey to send a letter to the NRC urging the resolution of the safety concerns just days before the Japanese earthquake. That letter can be found [HERE](#).

The unfolding disaster in Japan must produce a seismic shift in how we address nuclear safety here in America, said Rep. Markey.

###

SocialMedia mailing list
SocialMedia@list.ans.org

~~SocialMedia mailing list~~
~~SocialMedia@list.ans.org~~

SocialMedia mailing list
SocialMedia@list.ans.org

SocialMedia mailing list
SocialMedia@list.ans.org

--
www.popatomic.org
PopAtomic Studios
[770.331.1672](tel:770.331.1672)

--
www.popatomic.org
PopAtomic Studios
[770.331.1672](tel:770.331.1672)

SocialMedia mailing list
SocialMedia@list.ans.org

Suzy

On Sat, Mar 12, 2011 at 5:51 PM, Jeff Madison <jeff.madison@coolhandnuke.com> wrote:

Thanks but you've defined it in a much more succinct manner. I think what we're really talking about here falls under the normal guidelines of Crisis Communication Management. While this is not an American or Canadian problem it is a serious issue for the global Nuclear Community. I'm going out on a limb here but I'd tend to believe that this should fall under the NEI's charter. Whether they've strictly recognized and are treating it as such I do not know.

Strictly my .02 but I'd think for something like this a Professional Media/Press/Communications group with expertise in Crisis Communication should be brought in to help manage the efforts and message put forth. To do otherwise leaves a vacuum in the communications sphere that the Anti's & Uninformed Congresspersons will be more than happy to fill with their particular brand of vitriol.

jeff madison
888.331.9176 - toll free
504.208.4584 - direct
508.484.0550 - fax
linkedin.com/in/thejeffmadison

Join Cool Hand Nuke on LinkedIn at bit.ly/CoolHandNuke_LinkedIN

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On Sat, Mar 12, 2011 at 4:41 PM, Suzanne Hobbs

(b)(6) wrote:

Thanks Jeff,

That sounds something like the needed PR strategy I was just wondering about.

Suzy

On Sat, Mar 12, 2011 at 5:20 PM, Jeff Madison

<jeff.madison@coolhandnuke.com> wrote:

Precisely. IMHO, The opportunity here is to seize the conversation on 2 fronts.

1) Focus on the Successes of the Japanese efforts, especially in light of the conditions & elements which they've been confronted.

2) Bring the Safety & Reliability Conversation to bear on LNG, Solar, Wind,

HHH/8

Coal, etc using the "IF" they had to deal with scenario.

I have absolutely NO desire to be anywhere near an LNG facility before, during or shortly after an 8.9 & a Tsunami.....

jeff madison
888.331.9176 - toll free
504.208.4584 - direct
508.484.0550 - fax
linkedin.com/in/thejeffmadison

Join Cool Hand Nuke on LinkedIn at (b)(6)

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On Sat, Mar 12, 2011 at 4:12 PM, Robert S. Margolis wrote:

(b)(6)

Well, if Cong Markey is so gung ho to reanalyze nuclear plants, does that mean we should shut down the LNG facilities in Everett until they can be reanalyzed? I have a feeling the Congressman would be more reasonable in that case (especially since the facilities and jobs are in his district). ;-)

Regards,

Robert

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

From: (b)(6)

To: Social Media

Sent: Sat, Mar 12, 2011 8:52 am

Subject: Re: [SocialMedia] FW: Markey Warns that Japan Nuclear Accident Could Happen Here

The question is, is there something to what Markey says? There is. Most of the plants were licensed to outdated seismic data. Plus at some plants there was some corner cutting in applying seismic rules. So it's not a frivolous question.

On Sat, Mar 12, 2011 at 1:16 PM, Dan Yurman

(b)(6)

wrote:

Markey continues to exploit Japanese tragedy

From: Jones, Cynthia
To: Inagard, Mark; HOD, HOC
Cc: Evans, Michele
Subject: Dr Elena Buglova is Head of IAEA Incident Emergency Center- Point of Contact for IAEA
Date: Saturday, March 12, 2011 1:20:27 PM

Mark

Elena's contact info is e.buglova@iaea.org. Her last 5 digits of phone # at IAEA is x22738. However it will be better for the Ops Officers to go thru the IAEA IEC emergency#

The email I sent the HOOs earlier today from IAEA indicated they were getting regular updates from Japan. I do not believe they are relying on US at all for info on the event
Call if you need more info

Cyndi

Cynthia G. Jones, Ph.D.
Sr. Technical Advisor for Nuclear Security,
NRC/NSIR
Sent from blackberry

From: Jones, Cynthia
To: E.Buglova@iaea.org <E.Buglova@iaea.org>
Sent: Fri Mar 04 08:38:52 2011
Subject: RE: Q for you on Notification of NRC ENAC Point of Contact for IAEA

Thanks Elena-

Hope to see you the next time I'm at the VIC-

All the best for a great weekend (and I am still crossing my finger position at the IEC! You are a great Director there (and imminently qualified!)

Cyndi

From: E.Buglova@iaea.org [mailto:E.Buglova@iaea.org]
Sent: Friday, March 04, 2011 6:53 AM
To: Jones, Cynthia
Cc: Temple, Jeffrey; M.Eklund@iaea.org
Subject: RE: Q for you on Notification of NRC ENAC Point of Contact for IAEA

Dear Cyndi

Nice to hear this news, that you will be the ENAC point of contact. Yes, please, direct the letter to me as

Acting Head
Incident and Emergency Centre

HHH/9

Department of Nuclear Safety and Security
International Atomic Energy Agency

and copy Mats as well.

With best regards
Elena

From: Cynthia.Jones@nrc.gov [mailto:Cynthia.Jones@nrc.gov]
Sent: Wednesday, 02 March 2011 19:28
To: BUGLOVA, Elena
Cc: Temple, Jeffrey; EKLUND, Mats
Subject: Q for you on Notification of NRC ENAC Point of Contact for IAEA
Importance: High

Hello Elena!

I hope all is going well for you at the IEC! Things are going very well here (busy is always good, correct?)

Our office is in the process of drafting a letter of nomination for me to be the NRC's new ENAC point of contact, and just as for the INES Advisory Committee, we want to send this notification to IAEA via a signed letter from our office director. Am I correct in thinking that this letter to IAEA should go to you as the IEC Director? If not, please confirm who best to send the information to. We will also cc Mats as the ENAC Coordinator.

Many thanks!
Cyndi

Cynthia G. Jones, Ph.D.,
Sr. Technical Advisor for Nuclear Security
U.S. Nuclear Regulatory Commission
Office of Nuclear Security & Incident Response
Mail Stop T4-D22A, Washington, D.C. 20555

cynthia.jones@nrc.gov

cj@nrc.gov

Work: 301-415-0298

Blackberry: (b)(6)

The Best Places to Work

FOR THE NUCLEAR INDUSTRY

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Hergenroder, Dan

From: Collins, Elmo
Sent: Saturday, March 12, 2011 6:20 PM
To: (b)(6)
Subject: Fw: 1830 EST (March 12, 2011) USNRC Earthquake/Tsunami SitRep
Attachments: USNRC Earthquake-Tsunami Update.031211.1830EST.docx

From: LIA07 Hoc

To: Hipschman, Thomas; Marshall, Michael; Batkin, Joshua; Castleman, Patrick; Snodderly, Michael; Orders, William; Bubar, Patrice; Franovich, Mike; Wittick, Brian; Andersen, James; Trapp, James; (b)(6)
(b)(6) Leeds, Eric; Brenner, Eliot; Miller, Charles; Wiggins, Jim; Johnson, Michael; Sheron, Brian; Schmidt, Rebecca; Haney, Catherine; Pace, Patti; Sosa, Belkys; Nieh, Ho; Sharkey, Jeffry; Harrington, Holly; Jaczko, Gregory; Coggins, Angela; Loyd, Susan; Monninger, John; Pearson, Laura; Warren, Roberta; Dean, Bill; McCree, Victor; Satorius, Mark; Collins, Elmo; Miller, Chris; Anderson, Joseph; Kahler, Robert; Williams, Kevin; McNamara, Nancy; Tift, Doug; Trojanowski, Robert; Woodruff, Gena; Logaras, Harral; Barker, Allan; Droggitis, Spiros; Decker, David; (b)(6); Maier, Bill; Howell, Linda; Dorman, Dan; McDermott, Brian; Quinn, Vanessa <Vanessa.Quinn@dhs.gov>; Ralston, Michelle <Michelle.Ralston@dhs.gov>; albert.coons@dhs.gov <albert.coons@dhs.gov>; Sherwood, Harry <harry.sherwood@dhs.gov>; james.kish@dhs.gov <james.kish@dhs.gov>; seamus.o'boyle@dhs.gov <seamus.o'boyle@dhs.gov>; timothy.greten@dhs.gov <timothy.greten@dhs.gov>; (b)(6)
(b)(6) cmc-01@dot.gov <cmc-01@dot.gov>; peter.ivons@hq.doe.gov <peter.ivons@hq.doe.gov>; (b)(6)
(b)(6); veal.lee@epa.gov <veal.lee@epa.gov>; poppell.sam@epa.gov <poppell.sam@epa.gov>; (b)(6) hss.soc@hhs.gov <hss.soc@hhs.gov>; Berkey, Johanna <Johanna.Berkey@dhs.gov>; Burnside, Conrad <conrad.burnside@dhs.gov>; Calhoun, Nan <Nan.Calhoun@dhs.gov>; Colman, Steve <steve.colman@dhs.gov>; Feighert, Dan <dan.feighert@dhs.gov>; Hammond, Lisa <lisa.hammond@dhs.gov>; Hammons, Darrell <darrell.hammons@dhs.gov>; Hlavaty-Laposa, Jan <jan.hlavaty-laposa@dhs.gov>; King, William <William.King@dhs.gov>; McCabe, Ron <ron.mccabe@dhs.gov>; Thomson, Rebecca <rebecca.thomson@dhs.gov>; Webb, William L <William.Webb@dhs.gov>; Horwitz, Steve <steve.horwitz@dhs.gov>; (b)(6)
Cc: HOO Hoc

Sent: Sat Mar 12 18:40:32 2011

Subject: 1830 EST (March 12, 2011) USNRC Earthquake/Tsunami SitRep

Attached, please find a 1830 EST situation report from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami on March 12, 2011.

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Please call the Headquarters Operations Officer at 301-816-5100 with questions.

-Sara

Sara K. Mroz
Communications and Outreach
Office of Nuclear Security and Incident Response
US Nuclear Regulatory Commission
sara.mroz@nrc.gov
LIA07.HOC@nrc.gov (Operations Center)

Hergenroder, Dan

From: LIA07 Hoc
Sent: Saturday, March 12, 2011 5:41 PM
To: Hipschman, Thomas; Marshall, Michael; Batkin, Joshua; Castleman, Patrick; Snodderly, Michael; Orders, William; Bubar, Patrice; Franovich, Mike; Wittick, Brian; Andersen, James; Trapp, James; (b)(6) Leeds, Eric; Brenner, Eliot; Miller, Charles; Wiggins, Jim; Johnson, Michael; Sheron, Brian; Schmidt, Rebecca; Haney, Catherine; Pace, Patti; Sosa, Belkys; Nieh, Ho; Sharkey, Jeffry; Harrington, Holly; Jaczko, Gregory; Coggins, Angela; Loyd, Susan; Monninger, John; Pearson, Laura; Warren, Roberta; Dean, Bill; McCree, Victor; Satorius, Mark; Collins, Elmo; Miller, Chris; Anderson, Joseph; Kahler, Robert; Williams, Kevin; McNamara, Nancy; Tift, Doug; Trojanowski, Robert; Woodruff, Gena; Logaras, Haral; Barker, Allan; Droggitis, Spiros; Decker, David; (b)(6) Maier, Bill; Howell, Linda; Dorman, Dan; McDermott, Brian; Quinn, Vanessa; Ralston, Michelle; albert.coons@dhs.gov; Sherwood, Harry; james.kish@dhs.gov; seamus.o'boyle@dhs.gov; timothy.greten@dhs.gov; (b)(6) cmc-0T@dot.gov; peter.lyons@hq.doe.gov; (b)(6) veal.lee@epa.gov; poppell.sam@epa.gov; (b)(6) hss.soc@hhs.gov; Berkey, Johanna; Burnside, Conrad; Calhoun, Nan; Colman, Steve; Feighert, Dan; Hammond, Lisa; Hammons, Darrell; Hlavaty-Laposa, Jan; King, William; McCabe, Ron; Thomson, Rebecca; Webb, William L; Horwitz (b)(6)
Cc: HOO Hoc
Subject: 1830 EST (March 12, 2011) USNRC Earthquake/Tsunami SitRep
Attachments: USNRC Earthquake-Tsunami Update.031211.1830EST.docx

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-Sara

Sara K. Mroz
Communications and Outreach
Office of Nuclear Security and Incident Response
US Nuclear Regulatory Commission
sara.mroz@nrc.gov
LIA07.HOC@nrc.gov (Operations Center)

Hergenroder, Dan

From: Howell, Linda
Sent: Saturday, March 12, 2011 10:56 PM
To: Collins, Elmo; Howell, Art; Kennedy, Kriss; Pruett, Troy; Vogel, Anton; Uselding, Lara; Maier, Bill
Subject: Fw: 2330 Japan status update
Attachments: USNRC Earthquake-Tsunami Update.031211.2330EST.docx

FYI.

We are still on hold for any discussion with external stakeholders. Please refer all inquiries to the HQ Ops Center.

From: LIA07 Hoc

To: Al Coons <albert.coons@dhs.gov>; Andersen, James; Anderson, Joseph; Barker, Allan; Batkin, Joshua; Bill King <William.King@dhs.gov>; Bill King 2 (b)(6); Brenner, Eliot; Bubar, Patrice; Castleman, Patrick; Coggins, Angela; Collins, Elmo; Conrad Burnside <conrad.burnside@dhs.gov>; D Feighert <dan.feighert@dhs.gov>; D Hammons <darrell.hammons@dhs.gov>; Dean, Bill; Decker, David; DIA (b)(6); DIA2 (b)(6); Dorman, Dan: DOT <cmc-01@dot.gov>; Droogitis, Spiros; DTRA (b)(6); Dudek (b)(6); EOP (b)(6); EPA <veal.lee@epa.gov>; EPA2 <poppell.sam@epa.gov>; Franovich, Mike; Haney, Catherine; Harrington, Holly; Harry Sherwood <harry.sherwood@dhs.gov>; HHS <hhs.soc@hhs.gov>; Hipschman, Thomas; HOO Hoc; Howell, Linda; J H-L <jan.hlavy-laposa@dhs.gov>; Jaczko, Gregory; Jim Kish <james.kish@dhs.gov>; Johanna Berkey <Johanna.Berkey@dhs.gov>; Johnson, Michael; Kahler, Robert; L Hammond <lisa.hammond@dhs.gov>; Leeds, Eric; Logaras, Harral; Loyd, Susan; Maier, Bill; Marshall, Michael; McCree, Victor; McDermott, Brian; McNamara, Nancy; Michelle Ralston <michelle.ralston@dhs.gov>; Miller, Charles; Miller, Chris; Monninger, John; Nan Calhoun <Nan.Calhoun@dhs.gov>; Navy (b)(6); Nieh, Ho; Orders, William; Pace, Patti; Pearson, Laura; Peter Lyons <peter.lyons@hq.doe.gov>; R McCabe <ron.mccabe@dhs.gov>; R Thomson <rebecca.thomson@dhs.gov>; S Horwitz <steve.horwitz@dhs.gov>; Satorius, Mark; Schmidt, Rebecca; Seamus O'Boyle <seamus.o'boyle@dhs.gov>; Sharkey, Jeffry; Sheron, Brian; Snodderly, Michael; Sosa, Belkys; Steve Colman <steve.colman@dhs.gov>; Thomas Zerr (b)(6); Tifft, Doug; Timothy Greten <timothy.greten@dhs.gov>; Trapp, James; Trojanowski, Robert; Vanessa Quinn <vanessa.quinn@dhs.gov>; W Webb <William.Webb@dhs.gov>; Warren, Roberta; Wiggins, Jim; Williams, Kevin; Wittick, Brian; Woodruff, Gena
Sent: Sat Mar 12 23:45:43 2011
Subject: 2330 Japan status update

From: Virgilio, Martin
To: Ketzalas, Margie
Subject: More input for your note for the next call - cite the source W: Call?
Date: Saturday, March 12, 2011 8:58:00 AM

Margie

Scroll down to the Poneman-san message and extract those details for our note

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

From: Jaczko, Gregory
Sent: Saturday, March 12, 2011 8:03 AM
To: Virgilio, Martin; Doane, Margäret
Subject: FW: Call?

please be aware if a call comes in.
thanks

From: Poneman, Daniel [Daniel.Poneman@hq.doe.gov]
Sent: Saturday, March 12, 2011 7:59 AM
To: Jaczko, Gregory
Cc: Lyons, Peter; Aoki, Steven; DAgostino, Thomas; Connery, Joyce
Subject: Fw: Call?

Greg: forwarding msg from kondo-san. Trying to set up call. Dan

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

From: shunsuke.kondo@cao.go.jp <shunsuke.kondo@cao.go.jp>
To: Poneman, Daniel
Sent: Sat Mar 12 02:22:43 2011
Subject: RE: Call?

Poneman-san

Thank you very much for your kind actions. I have just received a report on the new progress at 1F1, a significant reduction of CV pressure due to the use of SGTS line to vent the Wet-Well atmosphere, recovering the operation of air compressor to operate AOV. We hope the pressure will become below its design pressure soon, as well as unconfirmed report on the sound of explosion in the building.

As TEPCO team is required to be careful to the attack of tsunami, they are very slow in the action to recover the sea water cooling system. Therefore I am expecting the team will arrive at the conclusion about the next step they will take as an alternative to that relies on that line, paying due attention to the existence of hydrogen.

Therefore it is very kind of you to convey this information to Chairman Jaczko. I will also ask Chairman of Nuclear Safety Commission Dr. Madarame to contact with him.

Yours,
Shunsuke Kondo

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

From: Poneman, Daniel [<mailto:Daniel.Poneman@hq.doe.gov>]
Sent: Saturday, March 12, 2011 3:11 PM
To: 近藤 駿介(子力 員会)
Subject: RE: Call?

Kondo-san:

HHH/13

Just spoke with NRC Chairman Jaczko about the situation at Fukushima, and he would be very pleased to speak to you or indeed to make NRC expertise available to you and your colleagues. He can be reached through the NRC Operations Center at 301 816 5100.

I am turning in soon but if you need me you may call through our DOE Operations Center, 202-586-8100.

(b)(6)

Sincerely,

Dan

Daniel B. Poneman
Deputy Secretary
US Department of Energy
Washington, DC 20585
(202) 586-5500

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

From: shunsuke.kondo@cao.go.jp [mailto:shunsuke.kondo@cao.go.jp]

Sent: Friday, March 11, 2011 10:59 PM

To: Poneman, Daniel

Subject: RE: Call?

Poneman-san

It was very nice to talk with you on phone. The following is my note on the current situation. I will continue to update it as appropriate.

Current (12:00 of 2011/03/12) Situation of Fukushima Daiichi (1F, six units) and Fukushima Daini (2F, four units) Nuclear Power Plants Hit by Tohoku-chiho Taiheiyoku-oki EQ (TT-EQ) on March 11, 2011

The TT-EQ caused automatic shutdown of all operating units of 1F, unit 1, 2, 3 and 2F, unit1, 2, 3, 4. Simultaneously, the off-site powers to these units were also lost due to the damage in fossil and some of hydro power generating stations in the network with which these units were connected. Furthermore, the emergency diesel generators (EDGs) of these units could not start operation due to extraordinary high Tsunami that damage heat sink line for these EDGs.

The regulatory authority recommended every operator to prepare so-called accident management procedure and features that should be followed in such situation ten years ago and currently all operators have this procedure as a part of operation manual. Therefore TEPCO team has started the operation to cool the core based on this procedure.

Difficulty in the execution was found, however, as the vital power source was not available due to the flooding of the building: this power source is to be used to supply power to sustain I&C system that is used to monitor plant status and operate motor operated valve (MOV) necessary in this operation in particular.

Therefore TEPCO has gathered power supply trucks and batteries from available sources near-by and the team is fighting to limit the probability of occurrence of large-scale release utilizing them.

1F1 is in most difficult situation as the radiation level around the unit rose gradually at around 4:00 AM today due probably to the partial core damage due to the occasional suspension of core cooling (water injection, this is my personal viewpoint) and recognizing this and as a precaution the government asked evacuation to the people within 10 km from the plant.

The team started the water injection using fire-fighting car or fire engines to stabilize core condition and just succeeded to open the valve for CV venting under high radiation condition. We are very lucky that the wind direction is from land to sea at this time. However, the water level in the Reactor Pressure

Vessel is reported to be stabilized due to the injection of the water, though it is now below the top of the core, probably due to the reason I mentioned above.

I am expecting that the team will start feed and bleed (F&B) operation in any units as smoothly as possible (at least complete the preparation to perform the operation in parallel with making their best to recover sea water line, as key operation in these situation is the F&B operation utilizing venting line until we can recover the operation of sea water system as a heat sink and can use ECCS system.

Yours,

Shunsuke Kondo
Chairman
Japan Atomic Energy Commission

(b)(6)
Email: shunsuke.kondo@cao.go.jp

Satorius, Mark

From: Satorius, Mark
Sent: Saturday, March 12, 2011 5:58 PM
To: Boland, Anne; Loudon, Patrick; Reynolds, Steven; West, Steven; Shear, Gary; Sotiropoulos, Dina; Holt, BJ; OBrien, Kenneth
Subject: Fw: 1830 EST (March 12, 2011) USNRC Earthquake/Tsunami SitRep
Attachments: USNRC Earthquake-Tsunami Update.031211.1830EST.docx

Info is sketchy. The attached is the latest info from the ops ctr.
Mark Satorius

From: LIA07 Hoc

To: Hipschman, Thomas; Marshall, Michael; Batkin, Joshua; Castleman, Patrick; Snodderly, Michael; Orders, William; Bubar, Patrice; Franovich, Mike; Wittick, Brian; Andersen, James; Trapp, James; (b)(6); (b)(6); Leeds, Eric; Brenner, Eliot; Miller, Charles; Wiggins, Jim; Johnson, Michael; Sheron, Brian; Schmidt, Rebecca; Haney, Catherine; Pace, Patti; Sosa, Belkys; Nieh, Ho; Sharkey, Jeffry; Harrington, Holly; Jaczko, Gregory; Coggins, Angela; Loyd, Susan; Monninger, John; Pearson, Laura; Warren, Roberta; Dean, Bill; McCree, Victor; Satorius, Mark; Collins, Elmo; Miller, Chris; Anderson, Joseph; Kahler, Robert; Williams, Kevin; McNamara, Nancy; Tift, Doug; Trojanowski, Robert; Woodruff, Gena; Logaras, Haral; Barker, Allan; Droggitis, Spiros; Decker, David; (b)(6); Maier, Bill; Howell, Linda; Dorman, Dan; McDermott, Brian; Quinn, Vanessa <Vanessa.Quinn@dhs.gov>; Ralston, Michelle <Michelle.Ralston@dhs.gov>; albert.coons@dhs.gov <albert.coons@dhs.gov>; Sherwood, Harry <harry.sherwood@dhs.gov>; james.kish@dhs.gov <james.kish@dhs.gov>; seamus.o'boyle@dhs.gov <seamus.o'boyle@dhs.gov>; timothy.greten@dhs.gov <timothy.greten@dhs.gov>; (b)(6); (b)(6); cmc-01@dot.gov <cmc-01@dot.gov>; peter.lyons@hq.doe.gov <peter.lyons@hq.doe.gov>; (b)(6); (b)(6); veal.lee@epa.gov <veal.lee@epa.gov>; poppell.sam@epa.gov <poppell.sam@epa.gov>; (b)(6); hss.soc@hhs.gov <hss.soc@hhs.gov>; Berkey, Johanna <Johanna.Berkey@dhs.gov>; Burnside, Conrad <conrad.burnside@dhs.gov>; Calhoun, Nan <Nan.Calhoun@dhs.gov>; Colman, Steve <steve.colman@dhs.gov>; Feighert, Dan <dan.feighert@dhs.gov>; Hammond, Lisa <lisa.hammond@dhs.gov>; Hammons, Darrell <darrell.hammons@dhs.gov>; Hlavaty-Laposa, Jan <jan.hlavaty-laposa@dhs.gov>; King, William <William.King@dhs.gov>; McCabe, Ron <ron.mccabe@dhs.gov>; Thomson, Rebecca <rebecca.thomson@dhs.gov>; Webb, William L <William.Webb@dhs.gov>; Horwitz, Steve <steve.horwitz@dhs.gov>; (b)(6)
Cc: HOO Hoc
Sent: Sat Mar 12 18:40:32 2011
Subject: 1830 EST (March 12, 2011) USNRC Earthquake/Tsunami SitRep

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-Sara

Sara K. Mroz
Communications and Outreach
Office of Nuclear Security and Incident Response
US Nuclear Regulatory Commission
sara.mroz@nrc.gov
LIA07.HOC@nrc.gov (Operations Center)

From: (b)(6) on behalf of Beth Janbergs
To: Hayden, Elizabeth
Cc: Brenner, Eliot; Akstulewicz, Brenda; Harrington, Holly
Subject: Re: Are you available to come to Ofc. Sunday?
Date: Saturday, March 12, 2011 11:39:17 PM

Yes, I can come in until six.

On Sat, Mar 12, 2011 at 6:16 PM, Hayden, Elizabeth <Elizabeth.Hayden@nrc.gov> wrote:

Bethany,

We have been staffing the office and Ops Center round the clock since Friday when the Japanese earthquake and tsunami hit. Can you come in tomorrow around 9 am until 6 or 7 pm to help out in the office? Brenda will be in after church.

Beth

HHH/15

Owen, Lucy

From: Howell, Linda
Sent: Sunday, March 13, 2011 9:48 PM
To: Collins, Elmo; Howell, Art; Kennedy, Kriss; Pruett, Troy; Vogel, Anton; Maier, Bill; Uselding, Lara
Subject: Fw: 2230 EDT (March 13, 2011) USNRC Earthquake/Tsunami SitRep
Attachments: USNRC Earthquake-Tsunami Update.031311.2230EDT.docx

From: LIA07 Hoc

To: LIA07 Hoc; Al Coons <albert.coons@dhs.gov>; Andersen, James; Anderson, Joseph; Barker, Allan; Batkin, Joshua; Bill King <William.King@dhs.gov>; Bill King <(b)(6)>; Brenner, Eliot; Bubar, Patrice; Castleman, Patrick; Charles Donnell <(b)(6)>; Coggins, Angela; Collins, Elmo; Conrad Burnside <conrad.burnside@dhs.gov>; D Feighert <dan.feighert@dhs.gov>; D Hammons <darrell.hammons@dhs.gov>; Dean, Bill; Decker, David; DIA <(b)(6)>; DIA2 <(b)(6)>; Dorman, Dan; DOT <cmc-01@dot.gov>; Droqgitis, Spiros; DTRA <(b)(6)>; Dudek <(b)(6)>; EOP <(b)(6)>; EPA <veal.lee@epa.gov>; EPA2 <poppell.sam@epa.gov>; Franovich, Mike; Hahn, Matthew; Haney, Catherine; Harrington, Holly; Harry Sherwood <harry.sherwood@dhs.gov>; HHS <hhs.soc@hhs.gov>; Hipschman, Thomas; HOO Hoc; Howell, Linda; J H-L <jan.hlavy-laposa@dhs.gov>; Jaczko, Gregory; Jim Kish <james.kish@dhs.gov>; Johanna Berkey <Johanna.Berkey@dhs.gov>; Johnson, Michael; Kahler, Robert; L Hammond <lisa.hammond@dhs.gov>; Leeds, Eric; Logaras, Herral; Loyd, Susan; Maier, Bill; Marshall, Michael; McCree, Victor; McDermott, Brian; McNamara, Nancy; Michelle Ralston <michelle.ralston@dhs.gov>; Miller, Charles; Miller, Chris; Monninger, John; Nan Calhoun <Nan.Calhoun@dhs.gov>; <(b)(6)>; Nieh, Ho; NOC <noc.swo.Restricted@dhs.gov>; Orders, William; Pace, Patti; Pearson, Laura; Peter Lyons <peter.lyons@hq.doe.gov>; R McCabe <ron.mccabe@dhs.gov>; R Thomson <rebecca.thomson@dhs.gov>; S Horwitz <steve.horwitz@dhs.gov>; Satorius, Mark; Schmidt, Rebecca; Seamus O'Boyle <seamus.o'boyle@dhs.gov>; Sharkey, Jeffry; Sheron, Brian; Snodderly, Michael; Sosa, Belkys; Steve Colman <steve.colman@dhs.gov>; Thomas Zerr <(b)(6)>; Tift, Doug; Timothy Greten <timothy.greten@dhs.gov>; Trapp, James; Trojanowski, Robert; Vanessa Quinn <vanessa.quinn@dhs.gov>; W Webb <William.Webb@dhs.gov>; Warren, Roberta; Wiggins, Jim; Williams, Kevin; Wittick, Brian; Woodruff, Gena; Schmidt, Rebecca; Powell, Amy; Loyd, Susan; Coggins, Angela; Batkin, Joshua; taskforce-1@state.gov <taskforce-1@state.gov>

Cc: LIA09 Hoc

Sent: Sun Mar 13 22:44:56 2011

Subject: RE: 2230 EDT (March 13, 2011) USNRC Earthquake/Tsunami SitRep

Attached, please find a 2230 EDT situation report from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami on March 13, 2011. This Update includes information on the status of Fukushima Daiichi, Unit 3.

Please note that this information is "Official Use Only" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

-Jim

Jim Anderson
Office of Nuclear Security and Incident Response
US Nuclear Regulatory Commission
james.anderson@nrc.gov
LIA07.HOC@nrc.gov (Operations Center)

HHH/16

Hergenroder, Dan

From: Howell, Linda
Sent: Sunday, March 13, 2011 6:46 AM
To: Collins, Elmo; Howell, Art; Kennedy, Kriss; Pruett, Troy; Vogel, Anton; Maier, Bill; Uselding, Lara
Subject: Fw: 0630 Japan event status update
Attachments: USNRC Earthquake-Tsunami Update.031211.0730EST.docx

FYI

From: LIA07 Hoc

To: Al Coons <albert.coons@dhs.gov>; Andersen, James; Anderson, Joseph; Barker, Allan; Batkin, Joshua; Bill King <William.King@dhs.gov>; Bill King 2 (b)(6) Brenner, Eliot; Bubar, Patrice; Castleman, Patrick; Coggins, Angela; Collins, Elmo; Conrad Burnside <conrad.burnside@dhs.gov>; D Feighert <dan.feighert@dhs.gov>; D Hammons <darrell.hammons@dhs.gov>; Dean, Bill; Decker, David; (b)(6) DIA2
(b)(6) Dorman, Dan; DOT <cmc-01@dot.gov>; Droogitis, Spiros; DTRA
(b)(6) Dudek (b)(6) EOP (b)(6) EPA
<veal.lee@epa.gov>; EPA2 <poppell.sam@epa.gov>; Franovich, Mike; Haney, Catherine; Harrington, Holly; Harry Sherwood <harry.sherwood@dhs.gov>; HHS <hhs.soc@hhs.gov>; Hipschman, Thomas; HOO Hoc; Howell, Linda; J H-L <jan.hlavy-laposa@dhs.gov>; Jaczko, Gregory; Jim Kish <james.kish@dhs.gov>; Johanna Berkey <Johanna.Berkey@dhs.gov>; Johnson, Michael; Kahler, Robert; L Hammond <lisa.hammond@dhs.gov>; Leeds, Eric; Logaras, Haral; Loyd, Susan; Maier, Bill; Marshall, Michael; McCree, Victor; McDermott, Brian; McNamara, Nancy; Michelle Ralston <michelle.ralston@dhs.gov>; Miller, Charles; Miller, Chris; Monninger, John; Nan Calhoun <Nan.Calhoun@dhs.gov>; (b)(6) Nieh, Ho; Orders, William; Pace, Patti; Pearson, Laura; Peter Lyons <peter.lyons@hq.doe.gov>; R McCabe <ron.mccabe@dhs.gov>; R Thomson <rebecca.thomson@dhs.gov>; S Horwitz <steve.horwitz@dhs.gov>; Satorius, Mark; Schmidt, Rebecca; Seamus O'Boyle <seamus.o'boyle@dhs.gov>; Sharkey, Jeffry; Sheron, Brian; Snodderly, Michael; Sosa, Belkys; Steve Colman <steve.colman@dhs.gov>; Thomas Zerr (b)(6) Tift, Doug; Timothy Greten <timothy.greten@dhs.gov>; Trapp, James; Trojanowski, Robert; Vanessa Quinn <vanessa.quinn@dhs.gov>; W Webb <William.Webb@dhs.gov>; Warren, Roberta; Wiggins, Jim; Williams, Kevin; Wittick, Brian; Woodruff, Gena
Sent: Sun Mar 13 06:30:40 2011
Subject: 0630 Japan event status update

Hergenroder, Dan

From: Collins, Elmo
Sent: Sunday, March 13, 2011 7:34 AM
To: (b)(6)
Subject: Fw: 0630 Japan event status update
Attachments: USNRC Earthquake-Tsunami Update.031211.0730EST.docx

From: LIA07 Hoc

To: Al Coons <albert.coons@dhs.gov>; Andersen, James; Anderson, Joseph; Barker, Allan; Batkin, Joshua; Bill King <William.King@dhs.gov>; Bill King 2 (b)(6); Brenner, Eliot; Bubar, Patrice; Castleman, Patrick; Coggins, Angela; Collins, Elmo; Conrad Burnside <conrad.burnside@dhs.gov>; D Feibert <dan.feibert@dhs.gov>; D Hammons <darrell.hammons@dhs.gov>; Dean, Bill; Decker (b)(6) DIA2
(b)(6) Dorman, Dan; DOT <cmc-01@dot.gov>; Droggitis, Spiros; DTRA
(b)(6) Dudek (b)(6) EOP (b)(6)
<year.lee@epa.gov>; EPAZ <poppell.sam@epa.gov>; Franovich, Mike; Haney, Catherine; Harrington, Holly; Harry Sherwood <harry.sherwood@dhs.gov>; HHS <hhs.soc@hhs.gov>; Hipschman, Thomas; HOO Hoc; Howell, Linda; J H-L <jan.hlavy-laposa@dhs.gov>; Jaczko, Gregory; Jim Kish <james.kish@dhs.gov>; Johanna Berkey <Johanna.Berkey@dhs.gov>; Johnson, Michael; Kahler, Robert; L Hammond <lisa.hammond@dhs.gov>; Leeds, Eric; Logaras, Haral; Loyd, Susan; Maier, Bill; Marshall, Michael; McCree, Victor; McDermott, Brian; McNamara, Nancy; Michelle Ralston <michelle.ralston@dhs.gov>; Miller, Charles; Miller, Chris; Monninger, John; Nan Calhoun <Nan.Calhoun@dhs.gov>; Navy (b)(6) Nieh, Ho; Orders, William; Pace, Patti; Pearson, Laura; Peter Lyons <peter.lyons@hq.doe.gov>; R McCabe <ron.mccabe@dhs.gov>; R Thomson <rebecca.thomson@dhs.gov>; S Horwitz <steve.horwitz@dhs.gov>; Satorius, Mark; Schmidt, Rebecca; Seamus O'Boyle <seamus.o'boyle@dhs.gov>; Sharkey, Jeffry; Sheron, Brian; Snodderly, Michael; Sosa, Belkys; Steve Colman <steve.colman@dhs.gov>; Thomas Zerr (b)(6) Tift, Doug; Timothy Greten <timothy.greten@dhs.gov>; Trapp, James; Trojanowski, Robert; Vanessa Quinn <vanessa.quinn@dhs.gov>; W Webb <William.Webb@dhs.gov>; Warren, Roberta; Wiggins, Jim; Williams, Kevin; Wittick, Brian; Woodruff, Gena
Sent: Sun Mar 13 06:30:40 2011
Subject: 0630 Japan event status update

HHH/18

Owen, Lucy

From: Howell, Linda
Sent: Sunday, March 13, 2011 8:57 PM
To: Collins, Elmo; Howell, Art; Kennedy, Kriss; Pruett, Troy; Vogel, Anton; Uselding, Lara; Maier, Bill
Subject: Fw: 1400 EDT (March 13, 2011) USNRC Earthquake/Tsunami SitRep
Attachments: USNRC Earthquake-Tsunami Update.031311.1400EDT.docx

From: LIA07 Hoc

To: Al Coons <albert.coons@dhs.gov>; Andersen, James; Anderson, Joseph; Barker, Allan; Batkin, Joshua; Bill King <William.King@dhs.gov>; Bill King 2 (b)(6) Brenner, Eliot; Bubar, Patrice; Castleman, Patrick; Charles Donnell (b)(6) Coggins, Angela; Collins, Elmo; Conrad Burnside <conrad.burnside@dhs.gov>; D Feighert <dfeighert@dhs.gov>; D Hammons <darrell.hammons@dhs.gov>; Dean, Bill; Decker, David; DIA (b)(6) DIA2 (b)(6) Dorman, Dan; DQT <cmc-01@dot.gov>; Droggitis, Spiros; DTRA (b)(6) Dudek (b)(6) EOP (b)(6) EPA <veal.lee@epa.gov>; EPA2 <poppell.sam@epa.gov>; Franovich, Mike; Hahn, Matthew; Haney, Catherine; Harrington, Holly; Harry Sherwood <harry.sherwood@dhs.gov>; HHS <hhs.soc@hhs.gov>; Hipschman, Thomas; HOO Hoc; Howell, Linda; J H-L <jan.hlavy-laposa@dhs.gov>; Jaczko, Gregory; Jim Kish <james.kish@dhs.gov>; Johanna Berkey <Johanna.Berkey@dhs.gov>; Johnson, Michael; Kahler, Robert; L Hammond <lisa.hammond@dhs.gov>; Leeds, Eric; Logaras, Harral; Loyd, Susan; Maier, Bill; Marshall, Michael; McCree, Victor; McDermott, Brian; McNamara, Nancy; Michelle Ralston <michelle.ralston@dhs.gov>; Miller, Charles; Miller, Chris; Monninger, John; Nan Calhoun <Nan.Calhoun@dhs.gov> (b)(6) Nieh, Ho; NOC <noc.swo.Restricted@dhs.gov>; Orders, William; Pace, Patti; Pearson, Laura; Peter Lyons <peter.lyons@hq.doe.gov>; R McCabe <ron.mccabe@dhs.gov>; R Thomson <rebecca.thomson@dhs.gov>; S Horwitz <steve.horwitz@dhs.gov>; Satorius, Mark; Schmidt, Rebecca; Seamus O'Boyle <seamus.o'boyle@dhs.gov>; Sharkey, Jeffry; Sheron, Brian; Snoderly, Michael; Sosa, Belkys; Steve Colman <steve.colman@dhs.gov>; Thomas Zerr (b)(6) Tift, Doug; Timothy Greten <timothy.greten@dhs.gov>; Trapp, James; Trojanowski, Robert; Vanessa Quinn <vanessa.quinn@dhs.gov>; W Webb <William.Webb@dhs.gov>; Warren, Roberta; Wiggins, Jim; Williams, Kevin; Wittick, Brian; Woodruff, Gena
Sent: Sun Mar 13 14:33:26 2011
Subject: 1400 EDT (March 13, 2011) USNRC Earthquake/Tsunami SitRep

Attached, please find a 1400 EDT situation report from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami on March 13, 2011.

Please note that this information is "Official Use Only" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

-Sara

Sara K. Mroz
Communications and Outreach
Office of Nuclear Security and Incident Response
US Nuclear Regulatory Commission
sara.mroz@nrc.gov
LIA07.HOC@nrc.gov (Operations Center)

Hergenroder, Dan

From: Collins, Elmo
Sent: Sunday, March 13, 2011 2:43 PM
To: (b)(6)
Subject: Fw: 1400 EDT (March 13, 2011) USNRC Earthquake/Tsunami SitRep
Attachments: USNRC Earthquake-Tsunami Update.031311.1400EDT.docx

From: LIA07 Hoc

To: Al Coons <albert.coons@dhs.gov>; Andersen, James; Anderson, Joseph; Barker, Allan; Batkin, Joshua; Bill King <William.King@dhs.gov>; Bill King 2 (b)(6) Brenner, Eliot; Bubar, Patrice; Castleman, Patrick; Charles Donnell (b)(6) Coggins, Angela; Collins, Elmo; Conrad Burnside <conrad.burnside@dhs.gov>; D Feighert <dan.feighert@dhs.gov>; D Hammons <darrell.hammons@dhs.gov>; Dean, Bill; Decker, David; DIA (b)(6) DIA2 (b)(6) Dorman, Dan; DQT <cmc-01@dot.gov>; Droggitis, Spiros; DTRA (b)(6) Dudek (b)(6) EOP (b)(6) EPA <veal.lee@epa.gov>; EPA2 <poppell.sam@epa.gov>; Franovich, Mike; Hahn, Matthew; Haney, Catherine; Harrington, Holly; Harry Sherwood <harry.sherwood@dhs.gov>; HHS <hhs.soc@hhs.gov>; Hipschman, Thomas; HOO Hoc; Howell, Linda; J H-L <jan.hlavy-laposa@dhs.gov>; Jaczko, Gregory; Jim Kish <james.kish@dhs.gov>; Johanna Berkey <Johanna.Berkey@dhs.gov>; Johnson, Michael; Kahler, Robert; L Hammond <lisa.hammond@dhs.gov>; Leeds, Eric; Logaras, Harral; Loyd, Susan; Maier, Bill; Marshall, Michael; McCree, Victor; McDermott, Brian; McNamara, Nancy; Michelle Ralston <michelle.ralston@dhs.gov>; Miller, Charles; Miller, Chris; Monninger, John; Nan Calhoun <Nan.Calhoun@dhs.gov> (b)(6) Nieh, Ho; NOC <noc.swo.Restricted@dhs.gov>; Orders, William; Pace, Patti; Pearson, Laura; Peter Lyons <peter.lyons@hq.doe.gov>; R McCabe <ron.mccabe@dhs.gov>; R Thomson <rebecca.thomson@dhs.gov>; S Horwitz <steve.horwitz@dhs.gov>; Satorius, Mark; Schmidt, Rebecca; Seamus O'Boyle <seamus.o'boyle@dhs.gov>; Sharkey, Jeffry; Sheron, Brian; Snodderly, Michael; Sosa, Belkys; Steve Colman <steve.colman@dhs.gov>; Thomas Zerr (b)(6) Tift, Doug; Timothy Greten <timothy.greten@dhs.gov>; Trapp, James; Trojanowski, Robert; Vanessa Quinn <vanessa.quinn@dhs.gov>; W Webb <William.Webb@dhs.gov>; Warren, Roberta; Wiggins, Jim; Williams, Kevin; Wittick, Brian; Woodruff, Gena

Sent: Sun Mar 13 14:33:26 2011

Subject: 1400 EDT (March 13, 2011) USNRC Earthquake/Tsunami SitRep

Attached, please find a 1400 EDT situation report from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami on March 13, 2011.

Please note that this information is "Official Use Only" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

-Sara

Sara K. Mroz
Communications and Outreach
Office of Nuclear Security and Incident Response
US Nuclear Regulatory Commission
sara.mroz@nrc.gov
LIA07.HQC@nrc.gov (Operations Center)

HHH/20

Owen, Lucy

From: Howell, Linda
Sent: Sunday, March 13, 2011 9:04 PM
To: Collins, Elmo; Howell, Art; Kennedy, Kriss; Pruett, Troy; Vogel, Anton; Maier, Bill; 'laea.uselding@nrc.gov'
Subject: Fw: 1600 EDT (March 13, 2011) USNRC Earthquake/Tsunami SitRep
Attachments: USNRC Earthquake-Tsunami Update.031311.1600EDT.docx

From: LIA07 Hoc

To: Al Coons <albert.coons@dhs.gov>; Andersen, James; Anderson, Joseph; Barker, Allan; Batkin, Joshua; Bill King <William.King@dhs.gov>; Bill King 2 (b)(6) Brenner, Eliot; Bubar, Patrice; Castleman, Patrick; Charles Donnell (b)(6) Coggins, Angela; Collins, Elmo; Conrad Burnside <conrad.burnside@dhs.gov>; D Feighert <dan.feighert@dhs.gov>; D Hammons <darrell.hammons@dhs.gov>; Dean, Bill; Decker, David; DIA (b)(6) DIA2 (b)(6) Dorman, Dan; DOT <cmc-01@dot.gov>; Droggitis, Spiros; DTRA (b)(6) Dudek (b)(6) EOP (b)(6) EPA <veal.lee@epa.gov>; EPA2 <poppeil.sam@epa.gov>; Franovich, Mike; Hahn, Matthew; Haney, Catherine; Harrington, Holly; Harry Sherwood <harry.sherwood@dhs.gov>; HHS <hhs.soc@hhs.gov>; Hipschman, Thomas; HOO Hoc; Howell, Linda; J H-L <jan.hlavaty-laposa@dhs.gov>; Jaczko, Gregory; Jim Kish <james.kish@dhs.gov>; Johanna Berkey <Johanna.Berkey@dhs.gov>; Johnson, Michael; Kahler, Robert; L Hammond <lisa.hammond@dhs.gov>; Leeds, Eric; Logaras, Haral; Loyd, Susan; Maier, Bill; Marshall, Michael; McCree, Victor; McDermott, Brian; McNamara, Nancy; Michelle Ralston <michelle.ralston@dhs.gov>; Miller, Charles; Miller, Chris; Monninger, John; Nan Calhoun <Nan.Calhoun@dhs.gov> (b)(6); Nieh, Ho; NOC <noc.swo.Restricted@dhs.gov>; Orders, William; Pace, Patti; Pearson, Laura; Peter Lyons <peter.lyons@hq.doe.gov>; R McCabe <ron.mccabe@dhs.gov>; R Thomson <rebecca.thomson@dhs.gov>; S Horwitz <steve.horwitz@dhs.gov>; Satorius, Mark; Schmidt, Rebecca; Seamus O'Boyle <seamus.o'boyle@dhs.gov>; Sharkey, Jeffry; Sheron, Brian; Snodderly, Michael; Sosa, Belkys; Steve Colman <steve.colman@dhs.gov>; Thomas Zerr (b)(6) Tift, Doug; Timothy Greten <timothy.greten@dhs.gov>; Trapp, James; Trojanowski, Robert; Vanessa Quinn <vanessa.quinn@dhs.gov>; W Webb <William.Webb@dhs.gov>; Warren, Roberta; Wiggins, Jim; Williams, Kevin; Wittick, Brian; Woodruff, Gena

Sent: Sun Mar 13 15:57:29 2011

Subject: 1600 EDT (March 13, 2011) USNRC Earthquake/Tsunami SitRep

Attached, please find a 1600 EDT situation report from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami on March 13, 2011. This Update includes information related to NRC's evaluation of radiation measurements from the USS Ronald Reagan.

Please note that this information is "Official Use Only" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

-Sara

Sara K. Mroz
Communications and Outreach
Office of Nuclear Security and Incident Response
US Nuclear Regulatory Commission
sara.mroz@nrc.gov
LIA07.HOC@nrc.gov (Operations Center)

From: Frank Miraglia
To: Virgilio, Martin
Subject: Re: Social Media and Emergency Planning
Date: Sunday, March 13, 2011 2:47:53 PM

DHS a Department of more than 180k staff and a multitude of responsibilities. a management nightmare.

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

From: Virgilio, Martin
To: [REDACTED] (b)(6)
Sent: Sunday, March 13, 2011 12:24 PM
Subject: Re: Social Media and Emergency Planning

Frank

Thanks. It is even more complicated by a new DHS and our interest in not getting out in front of the white house

From: Frank Miraglia [REDACTED] (b)(6)
To: Virgilio, Martin
Sent: Sun Mar 13 11:59:32 2011
Subject: Social Media and Emergency Planning

Marty - As we discussed at the RIC social media really impacts emergency planning. The ongoing reactor issues in Japan emphasizes this fact. Most media outlets report all 'tidbits' factual or not. The media puts on 'experts' or 'talking heads' with some nexus to nuclear or public interest groups that fan the anxiety of the public.

Key lesson learned from TMI was frequent factual updates. However, social media is going to complicate this issue. There is a need for NRC to work with FEMA, States and industry to re-examine information flow during emergencies.

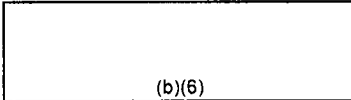
I know you will be getting lots of help as a result of events in Japan.

Frank

HHH/22

From: Weber, Michael
To: LIA03 Hqs
Cc: Doane, Margaret; Virgilio, Martin
Subject: FYI - address for Richard Reed
Date: Sunday, March 13, 2011 1:30:10 AM

Here is the address.



HHH/23

Satorius, Mark

From: Satorius, Mark
Sent: Sunday, March 13, 2011 5:18 AM
To: Pederson, Cynthia; Boland, Anne; Louden, Patrick; West, Steven; Shear, Gary; Reynolds, Steven; OBrien, Kenneth; Sotiropoulos, Dina; Holt, BJ
Subject: Fw: 2330 Japan status update
Attachments: USNRC Earthquake-Tsunami Update.031211.2330EST.docx

Mark Satorius

From: LIA07 Hoc

To: Al Coons <albert.coons@dhs.gov>; Andersen, James; Anderson, Joseph; Barker, Allan; Batkin, Joshua; Bill King <William.King@dhs.gov>; Bill King 2 (b)(6); Brenner, Eliot; Bubar, Patrice; Castleman, Patrick; Coggins, Angela; Collins, Elmo; Conrad Burnside <conrad.burnside@dhs.gov>; D Feighert <dan.feighert@dhs.gov>; D Hammons <darrell.hammons@dhs.gov>; Dean, Bill; Decker, David (b)(6); DIA2 (b)(6); Dorman, Dan; DOT <cmc-01@dot.gov>; Droggitis, Spiros; DTRA (b)(6); Dudek (b)(6); EOP (b)(6); EPA <yeal.lee@epa.gov>; EPA2 <poppell.sam@epa.gov>; Franovich, Mike; Haney, Cathcrine; Harrington, Holly; Harry Sherwood <harry.sherwood@dhs.gov>; HHS <hhs.soc@hhs.gov>; Hipschman, Thomas; HOO Hoc; Howell, Linda; J H-L <jan.hlavaty-laposa@dhs.gov>; Jaczko, Gregory; Jim Kish <james.kish@dhs.gov>; Johanna Berkey <Johanna.Berkey@dhs.gov>; Johnson, Michael; Kahler, Robert; L Hammond <lisa.hammond@dhs.gov>; Leeds, Eric; Logaras, Haral; Loyd, Susan; Maier, Bill; Marshall, Michael; McCree, Victor; McDermott, Brian; McNamara, Nancy; Michelle Ralston <michelle.ralston@dhs.gov>; Miller, Charles; Miller, Chris; Monninger, John; Nan Calhoun <Nan.Calhoun@dhs.gov>; (b)(6); Nieh, Ho; Orders, William; Pace, Patti; Pearson, Laura; Peter Lyons <peter.lyons@hq.doe.gov>; R McCabe <ron.mccabe@dhs.gov>; R Thomson <rebecca.thomson@dhs.gov>; S Horwitz <steve.horwitz@dhs.gov>; Satorius, Mark; Schmidt, Rebecca; Seamus O'Boyle <seamus.o'boyle@dhs.gov>; Sharkey, Jeffry; Sheron, Brian; Snodderly, Michael; Sosa, Belkys; Steve Colman <steve.colman@dhs.gov>; Thomas Zerr (b)(6); Tifft, Doug; Timothy Greten <timothy.greten@dhs.gov>; Trapp, James; Trojanowski, Robert; Vanessa Quinn <vanessa.quinn@dhs.gov>; W Webb <William.Webb@dhs.gov>; Warren, Roberta; Wiggins, Jim; Williams, Kevin; Wittick, Brian; Woodruff, Gena
Sent: Sun Mar 13 00:45:43 2011
Subject: 2330 Japan status update

HHH/24

Hergenroder, Dan

From: Collins, Elmo
Sent: Sunday, March 13, 2011 8:13 PM
To: (b)(6)
Subject: Fw: 2000 EDT (March 13, 2011) USNRC Earthquake/Tsunami SitRep
Attachments: USNRC Earthquake-Tsunami Update.031311.2000EDT.docx

From: LIA07 Hoc

To: LIA07 Hoc; Al Coons <albert.coons@dhs.gov>; Andersen, James; Anderson, Joseph; Barker, Allan; Batkin, Joshua; Bill King <William.King@dhs.gov>; Bill King 2 (b)(6) Brenner, Eliot; Bubar, Patrice; Castleman, Patrick; Charles Donnell (b)(6) Coggins, Angela; Collins, Elmo; Conrad Burnside <conrad.burnside@dhs.gov>; D Feighert <dan.feighert@dhs.gov>; D Hammons <darrell.hammons@dhs.gov>; Dean, Bill; Decker, David; DIA (b)(6) DIA2 (b)(6) Dorman, Dan; DOT <cmc-01@dot.gov>; Droggitis, Spiros; DTRA (b)(6) Dudek (b)(6) EOP (b)(6); EPA <veal.lee@epa.gov>; EPA2 <poppell.sam@epa.gov>; Franovich, Mike; Hahn, Matthew; Haney, Catherine; Harrington, Holly; Harry Sherwood <harry.sherwood@dhs.gov>; HHS <hhs.soc@hhs.gov>; Hipschman, Thomas; HOO Hoc; Howell, Linda; J H-L <jan.hlavy-laposa@dhs.gov>; Jaczko, Gregory; Jim Kish <james.kish@dhs.gov>; Johanna Berkey <Johanna.Berkey@dhs.gov>; Johnson, Michael; Kahler, Robert; L Hammond <lisa.hammond@dhs.gov>; Leeds, Eric; Logaras, Harral; Loyd, Susan; Maier, Bill; Marshall, Michael; McCree, Victor; McDermott, Brian; McNamara, Nancy; Michelle Ralston <michelle.ralston@dhs.gov>; Miller, Charles; Miller, Chris; Monninger, John; Nan Calhoun <Nan.Calhoun@dhs.gov>; (b)(6) Nieh, Ho; NOC <noc.swo.Restricted@dhs.gov>; Orders, William; Pace, Patti; Pearson, Laura; Peter Lyons <peter.lyons@hq.doe.gov>; R McCabe <ron.mccabe@dhs.gov>; R Thomson <rebecca.thomson@dhs.gov>; S Horwitz <steve.horwitz@dhs.gov>; Satorius, Mark; Schmidt, Rebecca; Seamus O'Boyle <seamus.o'boyle@dhs.gov>; Sharkey, Jeffry; Sheron, Brian; Snodderly, Michael; Sosa, Belkys; Steve Colman <steve.colman@dhs.gov>; Thomas Zerr (b)(6) Tift, Doug; Timothy Greten <timothy.greten@dhs.gov>; Trapp, James; Trojanowski, Robert; Vanessa Quinn <vanessa.quinn@dhs.gov>; W Webb <William.Webb@dhs.gov>; Warren, Roberta; Wiggins, Jim; Williams, Kevin; Wittick, Brian; Woodruff, Gena

Sent: Sun Mar 13 20:27:39 2011

Subject: RE: 2000 EDT (March 13, 2011) USNRC Earthquake/Tsunami SitRep

Attached, please find a 2000 EDT situation report from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami on March 13, 2011. This Update includes information related to NRC's evaluation of radiation measurements from the USS Ronald Reagan.

Please note that this information is "Official Use Only" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

-Jim

Jim Anderson
Office of Nuclear Security and Incident Response
US Nuclear Regulatory Commission
james.anderson@nrc.gov
LIA07.HOC@nrc.gov (Operations Center)

HHH/25

From: LIA04 Hoc
To: Hayden, Elizabeth
Subject: RE: Q&As FOR STATES
Date: Sunday, March 13, 2011 1:06:33 AM

Thanks – we incorporated the edit and am running it past Mike

From: Hayden, Elizabeth
Sent: Sunday, March 13, 2011 12:46 AM
To: LIA04 Hoc
Subject: RE: Q&As FOR STATES

I would run them by Mike Weber. Also, I would suggest holding off sending these to states until the White House statement comes out tomorrow morning. See one more edit below.

From: LIA04 Hoc
Sent: Sunday, March 13, 2011 12:37 AM
To: Hayden, Elizabeth; Harrington, Holly
Cc: Turtill, Richard; Thaggard, Mark; Blount, Tom; LIA06 Hoc
Subject: FW: Q&As FOR STATES

Ladies – The info below has been revised to include OPA and ET edits. Do we need to get the Chairman's blessing before sending to the NRC Regional State Liaison Officers for dissemination to the Governor-appointed State Liaison Officers?

From: LIA08 Hoc
Sent: Sunday, March 13, 2011 12:31 AM
To: LIA04 Hoc
Subject: Q&As FOR STATES

The State Liaison Team, in conjunction with OPA and other NRC Team members, developed the information below using NRC press releases as a means to provide Governor-appointed State Liaison Officers talking points they can use to address questions from their citizenry. We would appreciate the ET's review and permission to share the info below with the NRC Regional State Liaison Officers for dissemination to the Governor-appointed State Liaison Officers. Thanks much.

~~~~~  
**Q&A:**

**Q.** What is the radiological consequence of the event in Japan for the U.S.?

**A.** At this time, there is no indication ~~whatsoever~~ that materials from the incidents in Japan have the potential to have any meaningful health effect on the U.S.

**Q.** Are there any protective measures that residents in the U.S. should be considering?

**A.** No, not given current information.

**Q.** What is the Federal family, i.e., NRC-EPA-DOE, doing to monitor the radiological

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consequence of the event in Japan on the United States ?

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

U.S. nuclear power plants have sensitive equipment to monitor the status of radiological conditions. Additionally, personnel at nuclear power plants have specific knowledge in radiological field monitoring techniques and could assist State and Federal personnel in environmental sampling activities, should that be necessary to evaluate public health and safety concerns.

EPA has permanent stationary radiological monitoring stations on the West coast. In the event of a confirmed radiological release with a potential to impact the U.S., EPA is the Federal agency responsible for radiological monitoring. DOE would be responsible for aerial monitoring, should there be a confirmed radiological release.

**Non-Public Info For States Only:** Questions about any radiological impact on the U.S. West coast is Adora Andy, the Deputy Associate Administrator for EPA's Office of External Affairs: (b)(6) email [andy.adora@epa.gov](mailto:andy.adora@epa.gov)

**Key Messages:**

- The NRC is coordinating its actions with other Federal agencies as part of the U.S. government response. 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 officials in Rockville, MD have spoken with the agency's counterpart in Japan and offered the assistance of U.S. technical experts. Two officials from 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. USAID is the federal government agency primarily responsible for providing assistance to countries recovering from disaster administering.

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 estimated for the site and surrounding area.

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

For background information on generic operations at a boiling-water reactor, including an animated graphic, visit the NRC's website at [www.nrc.gov](http://www.nrc.gov)

**Other sources of information:**

USAID -- [www.usaid.gov](http://www.usaid.gov)

U.S. Dept. of State -- [www.state.gov](http://www.state.gov)

FEMA -- [www.fema.gov](http://www.fema.gov)

White House -- [www.whitehouse.gov](http://www.whitehouse.gov)

Nuclear Energy Institute -- [www.nei.org](http://www.nei.org)

International Atomic Energy Agency -- [www.iaea.org/press](http://www.iaea.org/press)

**From:** Hayden, Elizabeth  
**To:** Burnell, Scott  
**Subject:** FW: Q&As FOR STATES  
**Date:** Sunday, March 13, 2011 12:39:00 AM

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FYI

**From:** Harrington, Holly  
**Sent:** Saturday, March 12, 2011 9:48 PM  
**To:** LIA04 Hoc; Hayden, Elizabeth; Virgilio, Martin  
**Subject:** RE: Q&As FOR STATES

These are fine, although likely to be overtaken by events quite soon.

Just clarification that we're talking about people in the U.S. not U.S. citizens in Japan:

**Q.** Are there any protective measures that ~~U.S. citizens~~ residents in the U.S. should be considering?

**A.** No.

**From:** LIA04 Hoc  
**Sent:** Saturday, March 12, 2011 9:43 PM  
**To:** Harrington, Holly; Hayden, Elizabeth; Virgilio, Martin  
**Subject:** RE: Q&As FOR STATES

Ladies –

The State Liaison Team, in conjunction with other NRC Team members, developed the information below using NRC press releases as a means to provide Governor-appointed State Liaison Officers talking points they can use to address questions from their citizenry. Mark Thaggard, the LT Director and I await your review of this information, as we plan to share it with the ET and would like to say we received your input, too. Thanks much.

**Q&A:**

**Q.** What is the radiological consequence of the event in Japan for the U.S.?

**A.** At this time, there is no indication whatsoever that materials from the incidents in Japan have the potential to have any meaningful effect on the U.S.

**Q.** Are there any protective measures that U.S. citizens should be considering?

**A.** No.

**Q.** What is the Federal family, i.e., NRC-EPA-DOE, doing to monitor the radiological consequence of the event in Japan on the United States ?

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

U.S. nuclear power plants have sensitive equipment to monitor the status of radiological conditions. Additionally, personnel at nuclear power plants have specific knowledge in

HHH/27

radiological field monitoring techniques and could assist State and Federal personnel in environmental sampling activities, should that be necessary to evaluate public health and safety concerns.

EPA has permanent stationary radiological monitoring stations on the West coast. In the event of a confirmed radiological release with a potential to impact the U.S., EPA is the Federal agency responsible for radiological monitoring. DOE would be responsible for aerial monitoring, should there be a confirmed radiological release.

**Non-Public Info For States Only:** Questions about any radiological impact on the U.S. West coast is Adora Andy, the Deputy Associate Administrator for EPA's Office of External Affairs: (b)(6) email [andy.adora@epa.gov](mailto:andy.adora@epa.gov)

### **Key Messages:**

- The NRC is coordinating its actions with other Federal agencies as part of the U.S. government response. 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 officials in Rockville, MD have spoken with the agency's counterpart in Japan and offered the assistance of U.S. technical experts. Two officials from 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. USAID is the federal government agency primarily responsible for providing assistance to countries recovering from disaster administering.

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 estimated for the site and surrounding area.

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For background information on generic operations at a boiling-water reactor, including an animated graphic, visit the NRC's website at [www.nrc.gov](http://www.nrc.gov)

### **Other sources of information:**

USAID -- [www.usaid.gov](http://www.usaid.gov)

U.S. Dept. of State -- [www.state.gov](http://www.state.gov)

FEMA -- [www.fema.gov](http://www.fema.gov)

White House -- [www.whitehouse.gov](http://www.whitehouse.gov)

Nuclear Energy Institute -- [www.nei.org](http://www.nei.org)

International Atomic Energy Agency -- [www.iaea.org/press](http://www.iaea.org/press)

**From:** Hayden, Elizabeth  
**To:** Hayden, Elizabeth  
**Subject:** Media Calls  
**Date:** Sunday, March 13, 2011 3:12:53 AM

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Media Calls -Sat., 3/12/11

Newsweek – Josh Dzieza (b)(6) Referred to NEI, ANS and DOE (1:50 p.m.)

Nuclear Navy – Tom Dougan (b)(6) Added to our fed. family distribution list.

HHH/28

**From:** Hayden, Elizabeth  
**To:** Rosewag, Daniel  
**Cc:** Burnell, Scott  
**Subject:** RE: STEM Fair Reminder, This Friday March 18th  
**Date:** Sunday, March 13, 2011 11:27:00 PM

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Daniel, I forgot to ask whether there are any easels available for behind the exhibit tables in the cafeteria for a couple of posters. If not, please let Scott Burnell know who will be filling in for me so he can bring 1 or 2 with him. Thanks.

Beth Hayden

**From:** Rosewag, Daniel [mailto:DFROSEW@carrollk12.org]  
**Sent:** Sunday, March 13, 2011 11:05 PM  
**To:** Ferrin, Charles; Eckles, William; aemartin@umd.edu; bcatterton@sha.state.md.us; (b)(6) dalton1@jhmi.edu; dathomas@towson.edu; David.Desrocher@jhuapl.edu; dhunsicker@globecomm.com; dkelly@evapco.com; DMcLaughlin@umuc.edu; dominic.palumbo@ci.irs.gov; (b)(6) Hayden, Elizabeth; (b)(6) hinge.fagnant@ngc.com; (b)(6) isabel.tejero@fda.hhs.gov; janine.ketter@ngc.com; jeakins@uti.edu; jeffrey.ammann@ttb.gov; jessica.gray@ttb.gov; (b)(6) jordan.alpert@noaa.gov; jpotter@jhmi.edu; kglasser@umbc.edu; kingram@umd.edu; lee@mikesmusicmd.com; lferretto@HCM2.com; lisa.ditillo@knorrbrakecorp.com; lperfetta@lincolntech.com; marcianna.p.delaney@nasa.gov; (b)(6) mcrampton@sha.state.md.us; mdemoss@umd.edu; (b)(6) mkstapleton@towson.edu; mtartal@ec-san.com; (b)(6) rhonaker@lincolntech.com; sarah\_brzezinski@partner.nps.gov; (b)(6) sethannah@msn.com; shartsock@mdsp.org; skim70@jhu.edu; slivinski@stsci.edu; sonal.deshpande@ngc.com; sryan@natgeotv.com; (b)(6) steve.smalley@ngc.com; su@jhu.edu; (b)(6)  
**Subject:** STEM Fair Reminder, This Friday March 18th

This is just a friendly reminder that STEM Fair is this coming Friday, March 18th. I sent itinerary and logistics some weeks ago and all confirmed clarity and participation. Please let me know if you have any questions, concerns, or changes to make me aware of. Thanks again and i look forward to meeting all of you this coming Friday, it should be a very enjoyable event for all!!

Daniel Rosewag  
STEM Academy Leader  
Social Studies / Technology Education  
Century High School

HHH/29

**From:** Rosewag, Daniel  
**To:** Ferrin, Charles; Eckles, William; aemartin@umd.edu; bcatterton@sha.state.md.us; (b)(6);  
(b)(6); dalton1@jhmi.edu; dathomas@towson.edu; David.Desrocher@jhupl.edu;  
dhunsicker@globecom.com; dkelly@evanco.com; DMcLaughlin@umuc.edu; dominic.palumbo@ci.irs.gov;  
(b)(6); Hayden, Elizabeth; (b)(6); hinqe.fagnant@ngc.com;  
(b)(6); isabel.tejero@fda.hhs.gov; janine.ketter@ngc.com; jeakins@uti.edu;  
jeffrey.ammann@ttb.gov; jessica.gray@ttb.gov; (b)(6);  
jordan.alpert@noaa.gov; jpotter@jhmi.edu; kolasser@umbc.edu; kindram@umd.edu; lee@mikesmusicmd.com;  
lferretto@HCM2.com; lisa.ditillo@knorrbrakecorp.com; lperfecta@lincolntech.com;  
marcianna.p.delaney@nasa.gov; (b)(6);  
mcrampton@sha.state.md.us; mdemoss@umd.edu; (b)(6); mkstapleton@towson.edu;  
mtartal@ec-san.com; (b)(6); rhobaker@lincolntech.com; sarah.brzezinski@partner.nps.gov;  
(b)(6); sethannah@msn.com; shartsock@mdsp.org; skim70@jhu.edu; slivinski@stsci.edu;  
sonal.deshpande@ngc.com; srvan@natocetv.com; sstemley@comcast.net; steve.smalley@ngc.com;  
su@jhu.edu; (b)(6)  
**Subject:** STEM Fair Reminder, This Friday March 18th  
**Date:** Sunday, March 13, 2011 11:06:08 PM

---

This is just a friendly reminder that STEM Fair is this coming Friday, March 18th. I sent itinerary and logistics some weeks ago and all confirmed clarity and participation. Please let me know if you have any questions, concerns, or changes to make me aware of. Thanks again and i look forward to meeting all of you this coming Friday, it should be a very enjoyable event for all!!

Daniel Rosewag  
STEM Academy Leader  
Social Studies / Technology Education  
Century High School

HHH/30

**From:** Michael R. Senyszyn  
**To:** Hayden, Elizabeth  
**Subject:** Mike from NIKKEI  
**Date:** Sunday, March 13, 2011 9:27:57 PM

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Beth,

This is Mike from NIKKEI BUSINESS. Just wanted to exchange e-mail addresses to keep in contact. I also wanted to thank you for getting back to me, I know you're tired so I really do appreciate it.

Also thanks for giving me Mr. Burnell's e-mail address; I'm sure, like you, he'll prove to be excellent in terms of disseminating some of the information we're looking to streamline.

Anyway, thanks again! Have a good evening and get some rest!

Mike

-----  
Michael R. Senyszyn  
Editorial Assistant  
U.S. Correspondence Bureau  
Nikkei Business Publications, Inc.  
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f: 212-261-6459

(b)(6)

E-mail: [msenyszyn@nikkeibp-america.com](mailto:msenyszyn@nikkeibp-america.com)  
Website: <http://www.nikkeibp.com/>

HHH/31



**From:** The Washington Post  
**To:** Hayden, Elizabeth  
**Subject:** Breaking News: Officials believe a hydrogen explosion occurred at Japanese plant  
**Date:** Sunday, March 13, 2011 10:46:26 PM

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Breaking News Alert: Officials believe a hydrogen explosion occurred at Japanese plant  
March 13, 2011 10:43:10 PM  
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Nuclear officials believe a hydrogen explosion has occurred at stricken Fukushima Daiichi plant. A massive column of smoke was seen belching from the plant's No. 3 unit, the Associated Press reports. There's no information yet on the extent of damage or whether the containment vessel was damaged.

<http://link.email.washingtonpost.com/r/7CWL7Z/262IUH/IY5TVW/WK81BX/PA8RW/UP/h>

For more information, visit [washingtonpost.com](http://washingtonpost.com)

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HHH/32

**From:** Hayden, Elizabeth  
**To:** (b)(6)  
**Subject:** FW: upcoming week  
**Date:** Sunday, March 13, 2011 7:53:00 PM

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**From:** Brenner, Eliot  
**Sent:** Sunday, March 13, 2011 7:02 PM  
**To:** Hayden, Elizabeth; Burnell, Scott; Harrington, Holly; McIntyre, David; Couret, Ivonne; Shannon, Valerie; Janbergs, Holly; Akstulewicz, Brenda; Screnci, Diane; Sheehan, Neil; Chandrathil, Prema; Mitlyng, Viktoria; Hannah, Roger; Ledford, Joey; Dricks, Victor; Uselding, Lara  
**Subject:** upcoming week

OPA Staffers:

It has been a very hectic weekend and a good test of our crisis communication planning. Thank you to the headquarter's folks who sacrificed their weekends (and their sleep) to come in. And thank you to the regional folks who fielded a number of calls about our response and the impact of the Japanese situation on our plants. Some things worked very well – the blog was a great way to get information out besides our standard press releases and NSIR released access to YouTube and Twitter by mid-day Sunday so we could do more monitoring of what information was "in the public domain."

Please take the time Monday morning to review all the press releases that went out and the blog posts as well. Please use these to guide any media responses you provide. While we know more than what these say, we're sticking to this story for now.

Stay tuned as the week unfolds. We anticipate staffing the Op Center on a 24-hour basis at least through Wednesday. Neil will be helping us out in that regard, and we may need to ask for further regional assistance if we need to continue the full-court-press through next weekend.

The chairman has a hearing on the hill on Wednesday morning, which will occur a lot of my time and may be the place where we really push out our message.

We expect fall-out over this to continue for a time along the lines of: Can this happen in the U.S. and what is the NRC doing about it? This is a marathon not a 50-yard dash. While I am expecting us to need full staffing for a while and may ask that you put off non-essential time off, we also need to conserve our energy. So be sure to take time when you need it.

Thank you all for your help!

HHH/33

**From:** Shannon, Valerie  
**To:** Akstulewicz, Brenda; Brenner, Eliot; Burnell, Scott; Harrington, Holly; Hayden, Elizabeth; Couret, Ivonne;  
Janbergs, Holly; McIntyre, David  
**Subject:** Bethany's cell phone number  
**Date:** Sunday, March 13, 2011 6:46:42 PM

---

FYI,

If you need to reach Bethany her cell phone is

(b)(6)

Val

HHH/3A

**From:** [The Washington Post](#)  
**To:** [Hayden, Elizabeth](#)  
**Subject:** Local Commuter Breaking News: Eastern Market Metro station closed  
**Date:** Sunday, March 13, 2011 6:02:04 PM

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Local Commuter Alert: Eastern Market Metro station closed  
March 13, 2011 6:00:33 PM  
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The Eastern Market Metro station is being evacuated and has been closed. Trains are passing through but not stopping at the station.

For more information, visit [PostLocal.com](#)

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<http://itunes.com/app/thewashingtonpostforipad>

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Washington, DC 20071

HHH/35

**From:** [The Washington Post](#)  
**To:** [Hayden, Elizabeth](#)  
**Subject:** Local Commuter Breaking News: Eastern Market Metro station has reopened  
**Date:** Sunday, March 13, 2011 6:07:52 PM

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-----  
Local Commuter Alert: Eastern Market Metro station has reopened  
March 13, 2011 6:06:26 PM  
-----

The Eastern Market Metro has reopened.

For more information, visit [PostLocal.com](#)

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HHH/36

**From:** [ANS.HOC@nrc.gov](mailto:ANS.HOC@nrc.gov)  
**Subject:** ACTION: Commissioner's Assistant Briefing Notification  
**Date:** Sunday, March 13, 2011 8:55:30 PM

---

This is the Headquarters Operations Officer. There will be a Commissioner's Assistant Briefing given by headquarters at 23:30 Eastern Daylight Time concerning the Japanese reactor events. Call 1-800-772-3842 approximately 5 minutes before the scheduled start time. When prompted, enter the security code (b)(6). You may call (b)(6) at this time and follow the voice prompts if you do not wish to receive this notification from our Automatic Notification System.

HHH/37

**From:** [ANS.HOC@nrc.gov](mailto:ANS.HOC@nrc.gov)  
**Subject:** ACTION: Commissioner's Assistant Briefing Notification  
**Date:** Sunday, March 13, 2011 2:06:49 PM

---

This is the Headquarters Operations Officer. There will be a Commissioner's Assistant Briefing given by headquarters at 15:30 Eastern Daylight Time concerning the Japanese reactor event. Call 1-800-772-3842 approximately 5 minutes before the scheduled start time. When prompted, enter the security code (b)(6) followed by the pound sign.

HHH/38

**From:** Vietti-Cook, Annette  
**To:** "Dennis K Rathbun"  
**Cc:** Hayden, Elizabeth  
**Subject:** RE: Witnessing  
**Date:** Sunday, March 13, 2011 1:14:12 PM

---

Yes, U.S. government is really focused on what we can do to help with nuclear reactors. Sounds like at least 3 reactors in trouble.

From: Dennis K Rathbun (b)(6)  
Sent: Sunday, March 13, 2011 6:31 AM  
To: Vietti-Cook, Annette  
Cc: Hayden, Elizabeth  
Subject: Witnessing

Annette

Beth is going to be out of the office this coming week. So if OK with you, let's shoot for sometime the week of Mar 21.  
OK with you??

I guess this thing is Japan is pretty bad.

Dennis

HHH/39



**From:** McIntyre, David  
**To:** Couret, Ivonne; Hardy, Sally; Lee, Jun; Brenner, Eliot; Hayden, Elizabeth; Harrington, Holly; Burnell, Scott  
**Cc:** Hoffman, Joan; Shannon, Valerie; Janbergs, Holly  
**Subject:** RE: In the Office  
**Date:** Sunday, March 13, 2011 12:01:04 PM

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Watch out for the random drug tests!

No interviews.

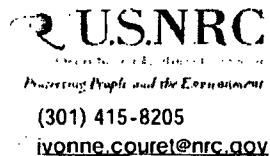
Eliot or me on background/off the record.

No. Talking points in process of updating.

**From:** Couret, Ivonne  
**Sent:** Sunday, March 13, 2011 11:59 AM  
**To:** McIntyre, David; Hardy, Sally; Lee, Jun; Brenner, Eliot; Hayden, Elizabeth; Harrington, Holly; Burnell, Scott  
**Cc:** Hoffman, Joan; Shannon, Valerie; Janbergs, Holly  
**Subject:** In the Office

I'm in the office now, Got coffee on pot since I left it here. I'll start taking media call here, are we doing any interview and who is on deck to answer background question? Is the latest talking points on WEBEOC. Ivonne


Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs



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.

**From:** McIntyre, David  
**Sent:** Sunday, March 13, 2011 11:33 AM  
**To:** Hardy, Sally; Lee, Jun; Couret, Ivonne; Brenner, Eliot; Hayden, Elizabeth; Harrington, Holly; Burnell, Scott  
**Cc:** Hoffman, Joan  
**Subject:** RE: web stuff

Hi Sally – Eliot is pushing hard to get clearance to issue a press release, so stand by!

Dave

HHH/40

**From:** Hardy, Sally  
**Sent:** Sunday, March 13, 2011 11:25 AM  
**To:** Lee, Jun; Couret, Ivonne; Brenner, Eliot; Hayden, Elizabeth; Harrington, Holly; Burnell, Scott; McIntyre, David  
**Cc:** Hoffman, Joan  
**Subject:** RE: web stuff

Good Morning,

Just wanted to let everyone know that I'm available now, if you need anything posted you can reach me on my (b)(6) Jun thanks for covering this morning - enjoy the rest of the day.

Thanks  
Sally Hardy

**From:** Lee, Jun  
**Sent:** Sunday, March 13, 2011 8:13 AM  
**To:** Couret, Ivonne; Brenner, Eliot; Hayden, Elizabeth; Harrington, Holly; Burnell, Scott; McIntyre, David  
**Cc:** Hardy, Sally  
**Subject:** RE: web stuff

Just wanted to let you know that I'm in the office this morning, 3/13, till this afternoon when Sally will be available.

Thanks,

Jun

**From:** Couret, Ivonne  
**Sent:** Saturday, March 12, 2011 4:17 PM  
**To:** Lee, Jun; Brenner, Eliot; Hayden, Elizabeth; Harrington, Holly; Burnell, Scott; McIntyre, David  
**Cc:** Hardy, Sally  
**Subject:** RE: web stuff

Thanks Jun...you have been a great support this entire day...Ivonne

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs




(301) 415-8205  
[ivonne.couret@nrc.gov](mailto: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.

**From:** Lee, Jun  
**Sent:** Saturday, March 12, 2011 4:16 PM  
**To:** Brenner, Eliot; Couret, Ivonne; Hayden, Elizabeth; Harrington, Holly; Burnell, Scott; McIntyre, David  
**Cc:** Hardy, Sally  
**Subject:** RE: web stuff

Just wanted to let everyone know that Sally will be picking things up and she can be reached via her cell or Blackberry.

Thanks,

Jun

**From:** Brenner, Eliot  
**Sent:** Saturday, March 12, 2011 9:43 AM  
**To:** Couret, Ivonne; Hayden, Elizabeth; Harrington, Holly; Burnell, Scott; McIntyre, David; Lee, Jun  
**Cc:** Hardy, Sally  
**Subject:** web stuff

To follow up on the fact sally hardy will be available., Jun Lee is going to be working web posting issues through the day, and Sally will pick up in the afternoon. June is at 415-1337. And sally we know how to track down.

Meanwhile, I have a boatload of PDFs of BWRs should we need them. They could be linked with a blog.

**From:** Shannon, Valerie  
**To:** Akstulewicz, Brenda; Brenner, Eliot; Burnell, Scott; Harrington, Holly; Hayden, Elizabeth; Couret, Ivonne; Janbergs, Holly; McIntyre, David  
**Subject:** FW: Re-carpet Final Walk Through of Nine Floors  
**Date:** Sunday, March 13, 2011 11:48:12 AM

---

FYI,

Please see the attached e-mail as ADM will be doing a carpet walk through tomorrow afternoon on our floor. They are just making us aware.

Val

**From:** Lamanteer, Joan  
**Sent:** Tuesday, March 08, 2011 5:06 PM  
**To:** Abrams, Charlotte; Bethea, Rhonda; Boone, Sharon; Boyd, Lena; Brydson, Ava; Chin, Allison; Claggett, Lauren; Crutchley, Mary Glenn; Daniels, Christian; Dembek, Stephen; Grimes, Charemagne; Hackworth, Sandra; Haug, Kevin; James, Burnie; Lamanteer, Joan; Lilley, Joanna; Nibert, Patty; Pittiglio, Clayton; Smercak, Janet; Suto-Goldsby, Lori; Swinimer, Howard; Tenaglia, Mickey; Thoman, Raymond; Warner, MaryAnn; Wood, Wanda; Akstulewicz, Brenda; Andersen, James; Belmore, Nancy; DSouza, Wendy; Hart, Ken; Huber, Deborah; Joosten, Sandy; Shannon, Valerie; Wyatt, Melissa  
**Cc:** Heck, James  
**Subject:** Re-carpet Final Walk Through of Nine Floors

Good Afternoon,

On Monday, March 14, 2:00 – 4:00 pm ADM will be performing the final walk through of nine floors that were re-carpeted. We would like to ask you to advise your staff we will be coming through. They do not have to do anything. We will just be looking at the carpet with a critical eye. If there are any issues to report prior to our walk through, please have the staff pass them directly to you as the POC. For example if there is an area where seams are tight or buckling, or separated. Please pass these onto me via email. There is no set time per floor; however, we would like to start with the fifth floor.

If you have any questions, please call me. Thank you

**REGARDS,**

JOAN LAMANTEER

US NUCLEAR REGULATORY COMMISSION

PROJECT MANAGER/SPACE DESIGN SPECIALIST

OFFICE 301-492-3659

(b)(6)

JOAN.LAMANTEER@NRC.GOV

*Please note I am out of the office on Fridays, and... remember to do something kind today*

HHH/41

**From:** [bliss.imperfect@gmail.com](mailto:bliss.imperfect@gmail.com) on behalf of [Beth Janbergs](#)  
**To:** [Hayden, Elizabeth](#)  
**Cc:** [Brenner, Eliot](#); [Harrington, Holly](#)  
**Subject:** Re: Are you available to come to Ofc. Sunday?  
**Date:** Sunday, March 13, 2011 7:32:05 AM

---

See you then.

On Sun, Mar 13, 2011 at 3:11 AM, Hayden, Elizabeth <[Elizabeth.Hayden@nrc.gov](mailto:Elizabeth.Hayden@nrc.gov)> wrote:

OK. How about coming in at 10 and leaving at 6 pm?

**From:** (b)(6) **On Behalf Of** [Beth Janbergs](#)  
**Sent:** Saturday, March 12, 2011 11:39 PM  
**To:** [Hayden, Elizabeth](#)  
**Cc:** [Brenner, Eliot](#); [Akstulewicz, Brenda](#); [Harrington, Holly](#)  
**Subject:** Re: Are you available to come to Ofc. Sunday?

Yes, I can come in until six.

On Sat, Mar 12, 2011 at 6:16 PM, Hayden, Elizabeth <[Elizabeth.Hayden@nrc.gov](mailto:Elizabeth.Hayden@nrc.gov)> wrote:

Bethany,

We have been staffing the office and Ops Center round the clock since Friday when the Japanese earthquake and tsunami hit. Can you come in tomorrow around 9 am until 6 or 7 pm to help out in the office? Brenda will be in after church.

Beth

HHH/42

**From:** McIntyre, David  
**To:** Hayden, Elizabeth  
**Subject:** Re: Chairman's call pushed back to 9 am Sunday  
**Date:** Sunday, March 13, 2011 5:09:49 AM

---

So much to look forward to.

David McIntyre  
NRC Office of Public Affairs

(b)(6)

301-415-8200 (office)

Sent from my BlackBerry, which is wholly responsible for all typos.

---

**From:** Hayden, Elizabeth  
**To:** Brenner, Eliot  
**Cc:** Burnell, Scott; Harrington, Holly; McIntyre, David  
**Sent:** Sun Mar 13 03:57:42 2011  
**Subject:** Chairman's call pushed back to 9 am Sunday

The DOE statement (copied you) is expected to go out unless there is another round of edits. The Chairman is still interested in putting our own press release out tomorrow. Scott will have a draft for you to look at, although we don't have a lot that's different to say.

HHH/43

**From:** Hayden, Elizabeth  
**To:** Beth Janbergs  
**Cc:** Brenner, Eliot; Harrington, Holly  
**Subject:** RE: Are you available to come to Ofc. Sunday?  
**Date:** Sunday, March 13, 2011 3:11:00 AM

---

OK. How about coming in at 10 and leaving at 6 pm?

**From:** [REDACTED] (b)(6) **On Behalf Of** Beth Janbergs  
**Sent:** Saturday, March 12, 2011 11:39 PM  
**To:** Hayden, Elizabeth  
**Cc:** Brenner, Eliot; Akstulewicz, Brenda; Harrington, Holly  
**Subject:** Re: Are you available to come to Ofc. Sunday?

Yes, I can come in until six.

On Sat, Mar 12, 2011 at 6:16 PM, Hayden, Elizabeth <[Elizabeth.Hayden@nrc.gov](mailto:Elizabeth.Hayden@nrc.gov)> wrote:  
Bethany,

We have been staffing the office and Ops Center round the clock since Friday when the Japanese earthquake and tsunami hit. Can you come in tomorrow around 9 am until 6 or 7 pm to help out in the office? Brenda will be in after church.

Beth

HHH/44

**From:** Shannon, Valerie  
**To:** Hayden, Elizabeth  
**Subject:** RE: 2 items  
**Date:** Sunday, March 13, 2011 8:43:03 AM

---

Beth,

I have added the password for the phone to our "OPA Procedures" book and also updated in the G-drive. It is listed under the tab "Laptop and OPA Telephone Passwords".

Val

**From:** Hayden, Elizabeth  
**Sent:** Saturday, March 12, 2011 10:37 PM  
**To:** Shannon, Valerie  
**Subject:** 2 items

Is the (b)(6) password for retrieving messages on our phone on the G drive and if so, can you tell me where? If not, can you add it to the OPA Procedures in the G drive?

The OPA call list has several entries dated 2008 in the G drive. Please update that list with the yellow card data and erase the old files so it is not confusing.

HHH/45



**From:** Brenner, Eliot  
**To:** Hayden, Elizabeth  
**Subject:** RE: later tonight  
**Date:** Sunday, March 13, 2011 6:50:17 AM

---

Early evening would be better I think

**From:** Hayden, Elizabeth  
**Sent:** Saturday, March 12, 2011 10:40 PM  
**To:** Brenner, Eliot; Harrington, Holly  
**Cc:** Batkin, Joshua  
**Subject:** RE: later tonight

OK. Do you still want me to come in at noon—we should have Dave, Ivonne, Rob, Val here. Holly is coming in at 2/3. Would it be better if I came in later (early evening?)

**From:** Brenner, Eliot  
**Sent:** Saturday, March 12, 2011 10:34 PM  
**To:** Hayden, Elizabeth; Harrington, Holly  
**Cc:** Batkin, Joshua  
**Subject:** later tonight

Think I will drop off the call shortly and count on you guys to represent OPA in listening to the Ambassador/Jaczko call [REDACTED] and need to get up for the 7 a.m. briefing call. 116

Eliot

HHH/46

**From:** OPA Resource  
**To:** Brenner, Eliot; Hayden, Elizabeth  
**Subject:** FW: Does NRC have response to Rep. Markey?  
**Date:** Sunday, March 13, 2011 9:10:29 PM

---

This was caught in the e-mail mess ... not sure if it's too late to address

**From:** Barbieri, Rich [mailto:Rich.Barbieri@turner.com]  
**Sent:** Sunday, March 13, 2011 6:31 PM  
**To:** OPA Resource  
**Cc:** Barbieri, Rich  
**Subject:** Does NRC have response to Rep. Markey?

Hi - I wanted to see if the NRC had any response to Rep. Markey's comments about the safety of U.S. nuclear plants?

[http://money.cnn.com/2011/03/13/news/economy/nuclear\\_power\\_plants/index.htm](http://money.cnn.com/2011/03/13/news/economy/nuclear_power_plants/index.htm)

Please let me know and I will add them to our story.

Thanks very much.  
-Rich

Rich Barbieri  
Deputy Managing Editor  
CNNMoney  
212/275-8474

(b)(6)

HHH/47

**From:** McIntyre, David  
**To:** Akstulewicz, Brenda; Couret, Ivonne; Hayden, Elizabeth  
**Subject:** Sullivan interview request  
**Date:** Sunday, March 13, 2011 12:30:50 PM

---

FYI – this was meant specifically for Sullivan.

**From:** McIntyre, David  
**Sent:** Sunday, March 13, 2011 12:30 PM  
**To:** (b)(6)  
**Subject:** NRC info

John – Eliot Brenner asked me to respond to your phone message requesting an interview. We are currently not granting interviews, and would point you to the seismic safety information on our website, including in the press releases we issued yesterday and Friday.

Dave McIntyre  
Office of Public Affairs

HHH/48

**Satorius, Mark**

**From:** LIA07 Hoc  
**Sent:** Monday, March 14, 2011 1:07 PM  
**To:** Al Coons; Andersen, James; Anderson, Joseph; Barker, Allan; Batkin, Joshua; Bill King; Bill King 2; Brenner, Eliot; Bubar, Patrice; Castleman, Patrick; Charles Donnell; Coggins, Angela; Collins, Elmo; Conrad Burnside; D Feighert; D Hammons; Dean, Bill; Decker, David; DIA; DIA2; Dorman, Dan; DOT; Droggitis, Spiros; DTRA; Dudek; EOP; EPA; EPA2; Franovich, Mike; Hahn, Matthew; Haney, Catherine; Harrington, Holly; Harry Sherwood; HHS; Hipschman, Thomas; HOO Hoc; Howell, Linda; J H-L; Jaczko, Gregory; Jim Kish; Johanna Berkey; Johnson, Michael; Kahler, Robert; L Hammond; Leeds, Eric; Logaras, Haral; Loyd, Susan; Maier, Bill; Marshall, Michael; McCree, Victor; McDermott, Brian; McNamara, Nancy; Michelle Ralston; Miller, Charles; Miller, Chris; Monninger, John; Nan Calhoun; Navy; Nieh, Ho; NOC; Orders, William; Pace, Patti; Pearson, Laura; Peter Lyons; R McCabe; R Thomson; S Horwitz; Satorius, Mark; Schmidt, Rebecca; Seamus O'Boyle; Sharkey, Jeffry; Sharon, Brian; Snodderly, Michael; Sosa, Belkys; Steve Colman; Thomas Zerr; Tifft, Doug; Timothy Greden; Trapp, James; Trojanowski, Robert; Vanessa Quinn; W Webb; Warren, Roberta; Wiggins, Jim; Williams, Kevin; Wittick, Brian; Woodruff, Gena; Schmidt, Rebecca; Powell, Amy; Loyd, Susan; Coggins, Angela; Batkin, Joshua; taskforce-1@state.gov; (b)(6)  
Donnell; (b)(6)  
(b)(6)  
NSIR\_DDSP\_ILTAB\_Distribution; nifops@nnsa.doe.gov; (b)(6)  
Michelle Ralston; nuclearssa@hq.dhs.gov; Ostendorff, William  
**Cc:** LIA09 Hoc; LIA11 Hoc  
**Subject:** 1330 EDT (March 14, 2011) USNRC Earthquake/Tsunami SitRep  
**Attachments:** USNRC Earthquake-Tsunami Update.031411.1330EDT.docx

Attached, please find a 1330 EDT situation report from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami on March 14, 2011. This Update includes information on the Japanese request for US Assistance in cooling Fukushima Daiichi Units 1, 2, and 3.

Please note that this information is "Official Use Only" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

Yen Chen  
US Nuclear Regulatory Commission  
[LIA07.HOC@nrc.gov](mailto:LIA07.HOC@nrc.gov) (Operations Center)

1777/44

## Hergenroder, Dan

---

**From:** LIA07 Hoc  
**Sent:** Monday, March 14, 2011 9:34 PM  
**To:** Holdren, John P.; maceck@state.gov; Al Coons; Andersen, James; Anderson, Joseph; Barker, Allan; Batkin, Joshua; Bill King; Bill King 2; Brenner, Eliot; Bubar, Patrice; Castleman, Patrick; Coggins, Angela; Collins, Elmo; Conrad Burnside; D Feighert; D Hammons; Dean, Bill; Decker, David; DIA; DIA2; Dorman, Dan; DOT; Droggitis, Spiros; DTRA; Dudek; EOP; EPA2; EPA; Franovich, Mike; Haney, Catherine; Harrington, Holly; Harry Sherwood; HHS; Hipschman, Thomas; HOO Hoc; Howell, Linda; J H-L; Jaczko, Gregory; Jim Kish; Johanna Berkey; Johnson, Michael; Kahler, Robert; L Hammond; Leeds, Eric; Logaras, Haral; Loyd, Susan; Maier, Bill; Marshall, Michael; McCree, Victor; McDermott, Brian; McNamara, Nancy; Michelle Ralston; Miller, Charles; Miller, Chris; Monninger, John; Nan Calhoun; Navy; Nieh, Ho; Orders, William; Pace, Patti; Pearson, Laura; Peter Lyons; Peter.Lyons@Nuclear.Energy.gov; R McCabe; R Thomson; S Horwitz; Satorius, Mark; Schmidt, Rebecca; Seamus O'Boyle; Sharkey, Jeffry; Sheron, Brian; Snodderly, Michael; Sosa, Belkys; Steve Colman; Thomas Zerr; Tifft, Doug; Timothy Greten; Trapp, James; Trojanowski, Robert; Vanessa Quinn; W Webb; Warren, Roberta; Wiggins, Jim; Williams, Kevin; Wittick, Brian; Woodruff, Gena; taskforce-1@state.gov; NOC; Charles Donnell; nuclearssa@hq.dhs.gov; RMTPACTSU\_ELNRC; Bradford, Anna; Gibbs, Catina; Speiser, Herald; Holdren, John P.; maceck@state.gov (b)(6)  
**Subject:** 2200 EDT (March 14 2011) USNRC Earthquake/Tsunami SitRep  
**Attachments:** NRC Status Update 3-14 10.10pm.pdf

Attached, please find a 2200 EDT situation report from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami on March 14, 2011. This Update includes information related to NRC's evaluation of radiation measurements from the USS Ronald Reagan.

Please note that this information is "Official Use Only" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

-Sara

Sara K. Mroz  
Office of Nuclear Security & Incident Response  
US Nuclear Regulatory Commission  
[Sara.mroz@nrc.gov](mailto:Sara.mroz@nrc.gov)  
[Lia07.HOC@nrc.gov](mailto:Lia07.HOC@nrc.gov) (Operations Center)

HHH/50

**From:** Everly, JKeith  
**To:** Stahl, Eric; Hayden, Elizabeth  
**Sent:** Mon Mar 14 16:35:37 2011  
**Subject:** AUSTRALIAN EMBASSY INQUIRY

Eric and Beth:

I just got a call from a Mr. Ben Milton of the Australian Embassy in WDC. He wanted to know what actions if any the NRC was taking as a result of the earthquake and tsunami in Japan. I told Mr. Milton that I would refer his inquiry to you both for a response. Mr. Milton's number is [REDACTED] (b)(6)

J. Keith Everly  
Senior Program Manager (Licensee Security)  
Information Security Branch  
Division of Security Operations  
Office of Nuclear Security and Incident Response

(O)301-415-7048 [REDACTED] (b)(6) (FAX)301-415-2190 (Blackberry [REDACTED] (b)(6))

HHH/51

**From:** [ANS.HQC@nrc.gov](mailto:ANS.HQC@nrc.gov)  
**Subject:** ACTION: Commissioners Assistants Briefing Notification  
**Date:** Monday, March 14, 2011 9:10:39 PM

---

There will be an Commissioners Assistants Briefing given by the NRC HQ at 23:30 concerning the Reactor Events in Japan. Call 1-800-772-3842 approximately 5 minutes before the scheduled start time. When prompted, enter security code (b)(6). You may call 301-816-5164 at this time and follow the voice prompts if you do not wish to receive this notification from our Automatic Notification System.

HHH/52

**From:** Ashley Baird  
**To:** Hayden, Elizabeth  
**Cc:** Ashley Bernardi  
**Subject:** Re: Chairman interview on energyNOW!  
**Date:** Monday, March 14, 2011 11:29:01 AM

---

Thank you, Beth. Yes, we are aware and we will be there. Might the Chairman be available on Wednesday to speak with us? '

Ashley Bernardi  
Senior Booker / Producer  
energyNOW!  
[www.energynow.com](http://www.energynow.com)

(b)(6)  
[ashley-bernardi@energynow.com](mailto:ashley-bernardi@energynow.com)  
Twitter: EnergyNOWBooker

On Mar 14, 2011, at 11:26 AM, "Hayden, Elizabeth" <[Elizabeth.Hayden@nrc.gov](mailto:Elizabeth.Hayden@nrc.gov)> wrote:

Ashley, We have no one available at the moment for an interview today or tomorrow. However, you may be interested in knowing that the Chairman is testifying at a hearing March 16, 2011 – The **House Committee on Energy and Commerce** which originally was on the FY 2012 budget request but is now focused on the Japan situation.

*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](mailto:elizabeth.hayden@nrc.gov)*

**From:** Ashley Bernardi [<mailto:ashley-bernardi@energynow.com>]  
**Sent:** Monday, March 14, 2011 9:43 AM  
**To:** Hayden, Elizabeth  
**Subject:** Re: Chairman interview on energyNOW!

HHH/53



Hi Beth,

Just wanted to follow-up to see if the Chairman is available either today, tomorrow or Wednesday for an interview with energyNOW!. We air nationally in 65 million homes on Bloomberg. We can come to him for a 10 minute interview anytime he is available.

Please let me know if we can make it work, and if the Chairman is not available, might another NRC rep be available to talk to us?

Many thanks.  
Ashley

On Sun, Mar 13, 2011 at 1:03 PM, Ashley Bernardi <[ashley-bernardi@energynow.com](mailto:ashley-bernardi@energynow.com)> wrote:

Hi Beth,

This is Ashley Bernardi, Senior Booker and Producer for energyNOW!, airing nationally on Bloomberg and locally in DC on ABC7. I am writing to request a one-on-one interview with Chairman Jaczko on either Tuesday, March 15 or Wednesday, March 16 at anytime he is available. In light of the nuclear disaster in Japan, we will be focusing on show this coming week on nuclear safety in America. If we were to face a disaster similar to this, is the U.S. prepared to respond?

This would be a 10 minute interview with our Anchor Thalia Assuras.

I understand your schedules are packed next week and that he is surely receiving a lot of interview requests, but we are the premiere national energyNOW! show -- our national audience turns to us to get their energy news, and would expect to hear from someone such as Chairman Jaczko in for the U.S. response as to what happened in Japan.

I look forward to hearing from you.

Best,

Ashley

--

Ashley Bernardi  
Senior Booker / Producer

**From:** Hayden, Elizabeth  
**To:** "Ashley Bernardi"  
**Subject:** RE: Chairman interview on energyNOW!  
**Date:** Monday, March 14, 2011 11:26:00 AM

---

Ashley, We have no one available at the moment for an interview today or tomorrow. However, you may be interested in knowing that the Chairman is testifying at a hearing March 16, 2011 – The **House Committee on Energy and Commerce** which originally was on the FY 2012 budget request but is now focused on the Japan situation.

*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:** Ashley Bernardi [mailto:[ashley-bernardi@energynow.com](mailto:ashley-bernardi@energynow.com)]  
**Sent:** Monday, March 14, 2011 9:43 AM  
**To:** Hayden, Elizabeth  
**Subject:** Re: Chairman interview on energyNOW!

Hi Beth,

Just wanted to follow-up to see if the Chairman is available either today, tomorrow or Wednesday for an interview with energyNOW!. We air nationally in 65 million homes on Bloomberg. We can come to him for a 10 minute interview anytime he is available.

Please let me know if we can make it work, and if the Chairman is not available, might another NRC rep be available to talk to us?

Many thanks.  
Ashley

On Sun, Mar 13, 2011 at 1:03 PM, Ashley Bernardi <[ashley-bernardi@energynow.com](mailto:ashley-bernardi@energynow.com)> wrote:  
Hi Beth,

This is Ashley Bernardi, Senior Booker and Producer for energyNOW!, airing nationally on Bloomberg and locally in DC on ABC7. I am writing to request a one-on-one interview with Chairman Jaczko on either Tuesday, March 15 or Wednesday, March 16 at anytime he is available. In light of the nuclear disaster in Japan, we will be focusing on show this coming week on nuclear safety in America. If we were to face a disaster similar to this, is the U.S. prepared to respond?

This would be a 10 minute interview with our Anchor Thalia Assuras.

I understand your schedules are packed next week and that he is surely receiving a lot of interview requests, but we are the premiere national energyNOW! show -- our national

audience turns to us to get their energy news, and would expect to hear from someone such as Chairman Jaczko in for the U.S. response as to what happened in Japan.

I look forward to hearing from you.

Best,  
Ashley

--

Ashley Bernardi  
Senior Booker / Producer  
*energyNOW!*  
[www.energynow.com](http://www.energynow.com)  
[ashley@energynow.com](mailto:ashley@energynow.com)  
Twitter: BookerBernardi  
750 1st Street NE, Suite 1100  
Washington, D.C. 20002  
Office: 202-621-2937

(b)(6)

--

Ashley Bernardi  
Senior Booker / Producer  
*energyNOW!*  
[www.energynow.com](http://www.energynow.com)  
[ashley@energynow.com](mailto:ashley@energynow.com)  
Twitter: BookerBernardi  
750 1st Street NE, Suite 1100  
Washington, D.C. 20002  
Office: 202-621-2937

(b)(6)

**From:** Screnci, Diane  
**To:** Brenner, Eliot; Uselding, Lara; Hayden, Elizabeth; Burnell, Scott; Harrington, Holly; McIntyre, David; Couret, Ivonne; Shannon, Valerie; Janbergs, Holly; Akstulewicz, Brenda; Sheehan, Neil; Chandrathil, Prema; Mitlyng, Viktoria; Hannah, Roger; Ledford, Joey; Dricks, Victor  
**Subject:** RE: TV requests at plants - strategy moving forward  
**Date:** Monday, March 14, 2011 10:26:51 AM

---

For what it's worth.... I wouldn't offer up the resident inspectors. Some would be good at this, others not.

**DIANE SCRENCI**

**SR. PUBLIC AFFAIRS OFFICER**

**USNRC, RI**

**610/337-5330**

**From:** Brenner, Eliot  
**Sent:** Monday, March 14, 2011 10:25 AM  
**To:** Uselding, Lara; Hayden, Elizabeth; Burnell, Scott; Harrington, Holly; McIntyre, David; Couret, Ivonne; Shannon, Valerie; Janbergs, Holly; Akstulewicz, Brenda; Screnci, Diane; Sheehan, Neil; Chandrathil, Prema; Mitlyng, Viktoria; Hannah, Roger; Ledford, Joey; Dricks, Victor  
**Subject:** Re: TV requests at plants - strategy moving forward

Exploring all PR options now.  
Eliot Brenner  
Director, Office of Public Affairs  
US Nuclear Regulatory Commission  
Protecting People and the Environment  
301 415 8200

(b)(6)

Sent from my Blackberry

**From:** Uselding, Lara  
**To:** Brenner, Eliot; Hayden, Elizabeth; Burnell, Scott; Harrington, Holly; McIntyre, David; Couret, Ivonne; Shannon, Valerie; Janbergs, Holly; Akstulewicz, Brenda; Screnci, Diane; Sheehan, Neil; Chandrathil, Prema; Mitlyng, Viktoria; Hannah, Roger; Ledford, Joey; Dricks, Victor  
**Sent:** Mon Mar 14 10:22:40 2011  
**Subject:** TV requests at plants - strategy moving forward

Hello Eliot: I had an interview request this morning from an Arkansas ABC affiliate looking for an interview at the ANO plant to discuss design and safety measures to protect against seismic activity. I also know that CNN mentioned Calloway along with DC. I imaging we are all getting a lot of "is my plant safe?" type interviews.

For the ANO site, I obviously didn't provide an interview and was able to share our messaging on plant requirements. As we get more of these types of interview requests for our different plants, do we anticipate wanting to put the RIs on camera at all or just let the plants discuss their design basis?

Lara Uselding  
U.S. Nuclear Regulatory Commission (NRC)

HHH/54

Public Affairs - Region IV

Lara.Uselding@nrc.gov

(b)(6)

Office: 817-276-6519

For more information visit [www.nrc.gov](http://www.nrc.gov)

**From:** Brenner, Eliot

**Sent:** Sunday, March 13, 2011 6:02 PM

**To:** Hayden, Elizabeth; Burnell, Scott; Harrington, Holly; McIntyre, David; Couret, Ivonne; Shannon, Valerie; Janbergs, Holly; Akstulewicz, Brenda; Screnci, Diane; Sheehan, Neil; Chandrathil, Prema; Mitlyng, Viktoria; Hannah, Roger; Ledford, Joey; Dricks, Victor; Uselding, Lara

**Subject:** upcoming week

OPA Staffers:

It has been a very hectic weekend and a good test of our crisis communication planning. Thank you to the headquarter's folks who sacrificed their weekends (and their sleep) to come in. And thank you to the regional folks who fielded a number of calls about our response and the impact of the Japanese situation on our plants. Some things worked very well – the blog was a great way to get information out besides our standard press releases and NSIR released access to YouTube and Twitter by mid-day Sunday so we could do more monitoring of what information was "in the public domain."

Please take the time Monday morning to review all the press releases that went out and the blog posts as well. Please use these to guide any media responses you provide. While we know more than what these say, we're sticking to this story for now.

Stay tuned as the week unfolds. We anticipate staffing the Op Center on a 24-hour basis at least through Wednesday. Neil will be helping us out in that regard, and we may need to ask for further regional assistance if we need to continue the full-court-press through next weekend.

The chairman has a hearing on the hill on Wednesday morning, which will occur a lot of my time and may be the place where we really push out our message.

We expect fall-out over this to continue for a time along the lines of:

Can this happen in the U.S. and what is the NRC doing about it? This is a marathon not a 50-yard dash. While I am expecting us to need full staffing for a while and may ask that you put off non-essential time off, we also need to conserve our energy. So be sure to take time when you need it.

Thank you all for your help!

**From:** Bubar, Patrice  
**To:** Brenner, Eliot; Hayden, Elizabeth; Akstulewicz, Brenda  
**Cc:** Crawford, Carrie  
**Subject:** FW: Call from a Journalist from Chile  
**Date:** Monday, March 14, 2011 11:48:43 AM

---

Please note the request we had from a journalist in Chile.

We have not returned the phone call.

Patty Bubar  
Chief of Staff  
Office of Commissioner William D. Magwood  
U.S. Nuclear Regulatory Commission  
301-415-1895

---

**From:** Crawford, Carrie  
**Sent:** Monday, March 14, 2011 11:16 AM  
**To:** Lisann, Elizabeth  
**Subject:** Call from a Journalist from Chile

I am passing on this message as a call for former Commissioner Lyons from Jose Duarte, a Chilean journalist, obviously inquiring into the present nuclear consequences as a result of the Japanese quake.

He can be reached at 562-339-1099. If you feel it should be passed on to Public Affairs, the number is 415-8200 for Brenda Akstulewicz, the Administrative Assistant.

Thanks,  
Carrie

HHH/55

**From:** Uselding, Lara  
**To:** Brenner, Eliot; Hayden, Elizabeth; Burnell, Scott; Harrington, Holly; McIntyre, David; Akstulewicz, Brenda; Screnci, Diane; Sheehan, Neil; Chandrathil, Prema; Mitlyng, Viktoria; Hannah, Roger; Ledford, Joey  
**Subject:** Re: TV requests at plants - strategy moving forward  
**Date:** Monday, March 14, 2011 10:44:08 AM

---

Perhaps a good option is we select the best NRC person to do one on camera interview to discuss all the issues being raised, design basis and seismic related defense in depth, barriers, etc. and make available thru a TV consortium so that affiliates around the country can pull from this b-roll. We did this at TSA once and I can try and get who we used to do this.

Lara

Lara Uselding  
NRC Region 4 Public Affairs  
817-917-0321

---

**From:** Brenner, Eliot  
**To:** Uselding, Lara; Hayden, Elizabeth; Burnell, Scott; Harrington, Holly; McIntyre, David; Couret, Ivonne; Shannon, Valerie; Janbergs, Holly; Akstulewicz, Brenda; Screnci, Diane; Sheehan, Neil; Chandrathil, Prema; Mitlyng, Viktoria; Hannah, Roger; Ledford, Joey; Dricks, Victor  
**Sent:** Mon Mar 14 10:25:22 2011  
**Subject:** Re: TV requests at plants - strategy moving forward

Exploring all PR options now.  
Eliot Brenner  
Director, Office of Public Affairs  
US Nuclear Regulatory Commission  
Protecting People and the Environment  
301 415 8200

(b)(6)

Sent from my Blackberry

**From:** Uselding, Lara  
**To:** Brenner, Eliot; Hayden, Elizabeth; Burnell, Scott; Harrington, Holly; McIntyre, David; Couret, Ivonne; Shannon, Valerie; Janbergs, Holly; Akstulewicz, Brenda; Screnci, Diane; Sheehan, Neil; Chandrathil, Prema; Mitlyng, Viktoria; Hannah, Roger; Ledford, Joey; Dricks, Victor  
**Sent:** Mon Mar 14 10:22:40 2011  
**Subject:** TV requests at plants - strategy moving forward

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Lara Uselding  
U.S. Nuclear Regulatory Commission (NRC)  
Public Affairs - Region IV

HHH/56

Lara.Uselding@nrc.gov

(b)(6)

Office: 817-276-6519

For more information visit [www.nrc.gov](http://www.nrc.gov)

**From:** Brenner, Eliot

**Sent:** Sunday, March 13, 2011 6:02 PM

**To:** Hayden, Elizabeth; Burnell, Scott; Harrington, Holly; McIntyre, David; Couret, Ivonne; Shannon, Valerie; Janbergs, Holly; Akstulewicz, Brenda; Screnci, Diane; Sheehan, Neil; Chandrathil, Prema; Mitlyng, Viktoria; Hannah, Roger; Ledford, Joey; Dricks, Victor; Uselding, Lara

**Subject:** upcoming week

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Can this happen in the U.S. and what is the NRC doing about it? This is a marathon not a 50-yard dash. While I am expecting us to need full staffing for a while and may ask that you put off non-essential time off, we also need to conserve our energy. So be sure to take time when you need it.

Thank you all for your help!



**From:** McIntyre, David  
**To:** Hayden, Elizabeth  
**Cc:** Couret, Yvonne; Burnell, Scott; Uselding, Lara; Dricks, Victor; Screnci, Diane; Sheehan, Neil; Ledford, Joey; Hannah, Roger; Mitlyng, Viktoria; Chandrathil, Prema  
**Subject:** KI as key topic?  
**Date:** Monday, March 14, 2011 12:40:30 PM

---

Beth – as we are getting an increasing number of questions on KI, perhaps we can make it a Key Topic and link to this page, so it's just one click from the Homepage?

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

---

**David McIntyre**  
**Public Affairs Officer**  
**U.S. Nuclear Regulatory Commission**  
(301) 415-8206 (direct)  
(b)(6)  
*Protecting People & the Environment*

HHH/57

**From:** Hayden, Elizabeth  
**To:** "Ashley Baird"  
**Bcc:** Couret, Ivonne; Brenner, Eliot  
**Subject:** RE: Chairman Interview on energyNOW!  
**Date:** Monday, March 14, 2011 12:46:00 PM

---

We'll add your request to the list.

*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](mailto:elizabeth.hayden@nrc.gov)*

**From:** Ashley Baird [mailto:[ashley-baird@cleanskies.tv](mailto:ashley-baird@cleanskies.tv)]  
**Sent:** Monday, March 14, 2011 11:29 AM  
**To:** Hayden, Elizabeth  
**Cc:** Ashley Bernardi  
**Subject:** Re: Chairman interview on energyNOW!

Thank you, Beth. Yes, we are aware and we will be there. Might the Chairman be available on Wednesday to speak with us?

Ashley Bernardi  
Senior Booker / Producer  
energyNOW!  
[www.energynow.com](http://www.energynow.com)  

(b)(6)

  
[ashley-bernardi@energynow.com](mailto:ashley-bernardi@energynow.com)  
Twitter: EnergyNOWBooker

On Mar 14, 2011, at 11:26 AM, "Hayden, Elizabeth" <[Elizabeth.Hayden@nrc.gov](mailto:Elizabeth.Hayden@nrc.gov)> wrote:

Ashley, We have no one available at the moment for an interview today or tomorrow. However, you may be interested in knowing that the Chairman is testifying at a hearing March 16, 2011 – The **House Committee on Energy and Commerce** which originally was on the FY 2012 budget request but is now focused on the Japan situation.

*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](mailto:elizabeth.hayden@nrc.gov)*

HHH/58

**From:** Hayden, Elizabeth  
**To:** Burnell, Scott  
**Subject:** Tsunami Study  
**Date:** Monday, March 14, 2011 12:45:00 PM

---

Scott,

Can you tell me if Wolf Creek is on the list of those plants studied for the seismic study?

*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:** Ashley Bernardi [mailto:[ashley-bernardi@energynow.com](mailto:ashley-bernardi@energynow.com)]  
**Sent:** Monday, March 14, 2011 9:43 AM  
**To:** Hayden, Elizabeth  
**Subject:** Re: Chairman interview on energyNOW!

Hi Beth,

Just wanted to follow-up to see if the Chairman is available either today, tomorrow or Wednesday for an interview with energyNOW!. We air nationally in 65 million homes on Bloomberg. We can come to him for a 10 minute interview anytime he is available.

Please let me know if we can make it work, and if the Chairman is not available, might another NRC rep be available to talk to us?

Many thanks.  
Ashley

On Sun, Mar 13, 2011 at 1:03 PM, Ashley Bernardi <[ashley-bernardi@energynow.com](mailto:ashley-bernardi@energynow.com)> wrote:  
Hi Beth,

This is Ashley Bernardi, Senior Booker and Producer for energyNOW!, airing nationally on Bloomberg and locally in DC on ABC7. I am writing to request a one-on-one interview with Chairman Jaczko on either Tuesday, March 15 or Wednesday, March 16 at anytime he is available. In light of the nuclear disaster in Japan, we will be focusing on show this coming week on nuclear safety in America. If we were to face a disaster similar to this, is the U.S. prepared to respond?

This would be a 10 minute interview with our Anchor Thalia Assuras.

I understand your schedules are packed next week and that he is surely receiving a lot of interview requests, but we are the premiere national energyNOW! show - our national audience turns to us to get their energy news, and would expect to hear from someone such as Chairman Jaczko in for the U.S. response as to what happened in Japan.

I look forward to hearing from you.

Best,  
Ashley

--

Ashley Bernardi  
Senior Booker / Producer  
*energyNOW!*  
[www.energynow.com](http://www.energynow.com)  
[ashley@energynow.com](mailto:ashley@energynow.com)  
Twitter: BookerBernardi

HHH/59

750 1st Street NE, Suite 1100  
Washington, D.C. 20002  
Office: 202-621-2937

(b)(6)

--  
Ashley Bernardi  
Senior Booker / Producer  
*energyNOW!*  
[www.energynow.com](http://www.energynow.com)  
[ashley@energynow.com](mailto:ashley@energynow.com)  
Twitter: BookerBernardi  
750 1st Street NE, Suite 1100  
Washington, D.C. 20002  
Office: 202-621-2937

(b)(6)

**From:** Hayden, Elizabeth  
**To:** Hardy, Sally; WebWork Resource; WebContractor Resource  
**Cc:** Couret, Ivonne; McIntyre, David  
**Subject:** FW: KI as key topic?  
**Date:** Monday, March 14, 2011 1:03:00 PM

---

Please reactivate the Previous Key Topic "Potassium Iodide..." and put the Source Tracking KT in the archive. Also, on the this page: <http://www.nrc.gov/about-nrc/emerg-preparedness/about-emerg-preparedness/potassium-iodide.html> there should be a link added at the bottom under "Related Information" that goes to the Fact Sheet at <http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/fs-emerg-plan-prep-nuc-power.html>.

*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:** Couret, Ivonne  
**Sent:** Monday, March 14, 2011 12:43 PM  
**To:** McIntyre, David; Hayden, Elizabeth  
**Subject:** RE: KI as key topic?

Beth do you want me to work on this with OIS or someone else...please advise. Ivonne

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs



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<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.

**From:** McIntyre, David  
**Sent:** Monday, March 14, 2011 12:40 PM  
**To:** Hayden, Elizabeth  
**Cc:** Couret, Ivonne; Burnell, Scott; Uselding, Lara; Dricks, Victor; Screnci, Diane; Sheehan, Neil; Ledford, Joey; Hannah, Roger; Mitlyng, Viktoria; Chandrahil, Prema

HHH/GO

**Subject:** KI as key topic?

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

---

**David McIntyre**  
**Public Affairs Officer**  
**U.S. Nuclear Regulatory Commission**  
**(301) 415-8206 (direct)**

(b)(6)

*Protecting People & the Environment*

**From:** Uselding, Lara  
**To:** Hayden, Elizabeth; Screnci, Diane  
**Subject:** RE: Question about local plant safety from earthquakes  
**Date:** Monday, March 14, 2011 1:05:04 PM

---

Yes thanks, I have used this and other language from our press release. However, I am receiving requests for actual specifics which I have not given out. If asked for this specific document detailing the design basis, is this something to send them to public document room or is this not public?

Lara Uselding  
U.S. Nuclear Regulatory Commission (NRC)  
Public Affairs - Region IV

[Lara.Uselding@nrc.gov](mailto:Lara.Uselding@nrc.gov)

(b)(6)

Office: 817-276-6519

For more information visit [www.nrc.gov](http://www.nrc.gov)

**From:** Hayden, Elizabeth  
**Sent:** Monday, March 14, 2011 11:37 AM  
**To:** Screnci, Diane; Uselding, Lara  
**Subject:** Question about local plant safety from earthquakes

Don't forget what we have in our fact sheets (in addition to our press releases, TPs, blogs) when responding to questions

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;
- appropriate combinations of the effects of normal and accident conditions with the effects of the natural phenomena; and
- the importance of the safety functions to be performed.

Beth

HHH/KS



**From:** WebWork Resource  
**To:** WebContractor Resource; Hayden, Elizabeth  
**Cc:** Couret, Ivonne; McIntyre, David; WebWork Resource  
**Subject:** RE: KI as key topic?  
**Date:** Monday, March 14, 2011 1:51:35 PM

---

Michael

Go ahead and post live. I believe Beth wants this out as soon as possible.

Thanks  
Sally

**From:** WebContractor Resource  
**Sent:** Monday, March 14, 2011 1:28 PM  
**To:** Hayden, Elizabeth; Hardy, Sally  
**Cc:** Couret, Ivonne; McIntyre, David; WebWork Resource  
**Subject:** RE: KI as key topic?

Good Afternoon Beth,

Please review and approve for live posting.

<http://webwork.nrc.gov:300/>  
<http://webwork.nrc.gov:300/past-key-topics.html>  
<http://webwork.nrc.gov:300/about-nrc/emerg-preparedness/about-emerg-preparedness/potassium-iodide.html#related>

Thank you,  
Michael

**From:** Hayden, Elizabeth  
**Sent:** Monday, March 14, 2011 1:04 PM  
**To:** Hardy, Sally; WebWork Resource; WebContractor Resource  
**Cc:** Couret, Ivonne; McIntyre, David  
**Subject:** FW: KI as key topic?

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*Beth Hayden  
Senior Advisor  
Office of Public Affairs  
U.S. Nuclear Regulatory Commission  
--- Protecting People and the Environment  
301-415-8202*

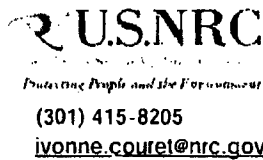
HHH/62

*elizabeth.hayden@nrc.gov*

**From:** Couret, Ivonne  
**Sent:** Monday, March 14, 2011 12:43 PM  
**To:** McIntyre, David; Hayden, Elizabeth  
**Subject:** RE: KI as key topic?

Beth do you want me to work on this with OIS or someone else...please advise. Ivonne


Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs



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NRC Employees can read interesting insight on the OPA Blog  
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**From:** McIntyre, David  
**Sent:** Monday, March 14, 2011 12:40 PM  
**To:** Hayden, Elizabeth  
**Cc:** Couret, Ivonne; Burnell, Scott; Uselding, Lara; Dricks, Victor; Screnci, Diane; Sheehan, Neil; Ledford, Joey; Hannah, Roger; Mitlyng, Viktoria; Chandrathil, Prema  
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---

David McIntyre  
Public Affairs Officer  
U.S. Nuclear Regulatory Commission  
(301) 415-8206 (direct)

(b)(6)

*Protecting People & the Environment*

**From:** [ANS.HOC@nrc.gov](mailto:ANS.HOC@nrc.gov)  
**To:** [Hayden, Elizabeth](#)  
**Subject:** ACTION: Commissioners Assistants Briefing Notification  
**Date:** Monday, March 14, 2011 2:00:37 PM

---

This is the Headquarters Operations Officer. There will be a Commissioners Assistants Briefing given by headquarters at 15:30 Eastern Daylight Time concerning the Japanese reactor event. Call 1-800-772-3842 approximately 5 minutes before the scheduled start time. When prompted, enter the security code (b)(6) You may call 301-816-5164 at this time and follow the voice prompts if you do not wish to receive this notification from our Automatic Notification System.

HHH/63

**From:** Harrington, Holly  
**To:** Uselding, Lara; Brenner, Eliot; Hayden, Elizabeth; Akstulewicz, Brenda  
**Cc:** Burnell, Scott; McIntyre, David  
**Subject:** RE: Would be helpful to get talkers from Jazcko WH briefing  
**Date:** Monday, March 14, 2011 1:57:41 PM

---

Conference call will be at 3 p.m to discuss marching orders from eliot

**From:** Uselding, Lara  
**Sent:** Monday, March 14, 2011 1:57 PM  
**To:** Brenner, Eliot; Hayden, Elizabeth; Akstulewicz, Brenda; Harrington, Holly  
**Cc:** Burnell, Scott; McIntyre, David  
**Subject:** Would be helpful to get talkers from Jazcko WH briefing  
**Importance:** High

Just heard Jazcko was on FOX and fielding Qs from reporters .Can we get the Q and A or talkers he's working from? Would be helpful!

Lara Uselding  
U.S. Nuclear Regulatory Commission (NRC)  
Public Affairs - Region IV

[Lara.Uselding@nrc.gov](mailto:Lara.Uselding@nrc.gov)

(b)(6)

Office: 817-276-6519

For more information visit [www.nrc.gov](http://www.nrc.gov)

HHH/64

**From:** Burnell, Scott  
**To:** LIA04 Hoc  
**Cc:** Brenner, Eliot; Hayden, Elizabeth; Harrington, Holly; hollymharrington@aol.com  
**Subject:** RE: Questions  
**Date:** Monday, March 14, 2011 10:48:03 AM

---

We're working on that, please stand by.

**From:** LIA04 Hoc  
**Sent:** Monday, March 14, 2011 10:47 AM  
**To:** Burnell, Scott  
**Subject:** FW: Questions

Scott, I just left you a voicemail. We are getting many of these types of questions and would like guidance from OPA on how to handle.

**From:** Tift, Doug  
**Sent:** Monday, March 14, 2011 10:36 AM  
**To:** LIA04 Hoc  
**Cc:** McNamara, Nancy  
**Subject:** FW: Questions

Additional questions for our Q&A.

-Doug

**From:** Giarrusso, John (CDA) [mailto:John.Giarrusso@state.ma.us]  
**Sent:** Monday, March 14, 2011 9:30 AM  
**To:** 'Wilson, Mary Ann'; 'Currier, David'; McKenney, Mike  
**Cc:** McNamara, Nancy; Tift, Doug; Schwartz, Kurt (EPS)  
**Subject:** Questions

Needless to say, there are a lot of questions being asked because of the devastation in Japan. The Director, Secretary of EOPSS and Governor's office have been asking questions and I have been sending out information I have received on the plants in Japan.

I would like all three plants to answer the following questions that I have been asked.

- What is the seismic limit that Pilgrim Station, Seabrook Station and Vermont Yankee have been built to withstand?
- Please explain that outcome at each plant if it was hit with a 8.9 earthquake the same as what hit Japan?
- For Pilgrim Station and Seabrook Station, what design and safety precautions have been installed at your plant to sustain a devastating tsunami that would hit as did the tragedy at the Japanese plants?
- If the same tragedy hit our plants would we be having the same major issues that the Japanese plants have? Please explain yes or not.

Please let me know when I can expect an answer to these questions or if you would like to meet and discuss that would be ok

Thanks and let me know if you have any questions  
John

John Giarrusso, Jr.  
Planning and Preparedness Division Chief

HHH/CS

MEMA

508-820-2040 (w)

(b)(6)

**From:** Everly, JKeith  
**To:** Stahl, Eric; Hayden, Elizabeth  
**Subject:** AUSTRALIAN EMBASSY INQUIRY  
**Date:** Monday, March 14, 2011 4:35:55 PM  
**Importance:** High

---

Eric and Beth:

I just got a call from a Mr. Ben Milton of the Australian Embassy in WDC. He wanted to know what actions if any the NRC was taking as a result of the earthquake and tsunami in Japan. I told Mr. Milton that I would refer his inquiry to you both for a response. Mr. Milton's number is (b)(6)

J. Keith Everly  
Senior Program Manager (Licensee Security)  
Information Security Branch  
Division of Security Operations  
Office of Nuclear Security and Incident Response  
(O)301-415-7048 (b)(6) (FAX)301-415-2190 (Blackberry) (b)(6)

HHH/66

**From:** Hannah, Roger  
**To:** Brenner, Eliot; Hayden, Elizabeth; Harrington, Holly  
**Cc:** Ledford, Joey  
**Subject:** List of Media contacts for TNT  
**Date:** Monday, March 14, 2011 4:26:01 PM  
**Attachments:** image001.png

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Don't know if you want it or need it, but here is a list of most of the media outlets we have talked to so far today:

WSB-AM, Atlanta; WGOG-FM, Walhalla, S.C.; WPEC-TV, West Palm Beach, Fla.; Ocala (Fla.) Star-Banner; BBC News; Associated Press, Atlanta and Tenn.; Raleigh (N.C.) News & Observer; News 14, Wilmington, N.C.; Augusta (Ga.) Chronicle; Ft. Lauderdale (Fla.) Sun-Sentinel; Georgia Public Broadcasting; Stuart (Fla.) News; Vero Beach (Fla.) Press-Journal; St. Lucie (Fla.) News-Tribune; Palm Beach (Fla.) Post; Huntsville (Ala.) Times; Tampa (Fla.) Tribune; WAGA-TV, Atlanta; WAVY-TV, Portsmouth, Va.

**Roger Hannah, APR**

*Senior Public Affairs Officer*

*Region II -- Atlanta, Ga.*

*Office - 404-997-4417*

*Cell (b)(6)*

*[roger.hannah@nrc.gov](mailto:roger.hannah@nrc.gov)*



HHH/67



**From:** Ledford, Joey  
**To:** Brenner, Eliot; Hayden, Elizabeth; Harrington, Holly  
**Cc:** Hannab, Roger  
**Subject:** TNT  
**Date:** Monday, March 14, 2011 4:25:29 PM  
**Attachments:** image001.png

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GLOBAL – The NRC launched a special inspection into an event earlier this month at Global Nuclear Fuel-Americas in Wilmington, N.C. The event, reported to the NRC on March 2, occurred in a grinding station in one of the nuclear fuel manufacturing facility's process lines. A quantity of uranium dioxide beyond prescribed limits was found to have accumulated in a filter in the grinding station. Region II was contacted by the Wilmington Star-News, The Greater Wilmington Business Journal and News 14 and WHQR-FM, both of Wilmington.

Roger is sending a list of all the media outlets who called regarding the Japan events and its application to local plants.

**Joey Ledford**  
**Public Affairs Officer**  
**Region II -- Atlanta, Ga.**  
**O: 404.997.4416**

**C:** (b)(6)

joey.ledford@nrc.gov



HHH/68

**From:** Uselding, Lara  
**To:** Hayden, Elizabeth; Brenner, Eliot; Akstulewicz, Brenda; Shannon, Valerie; Burnell, Scott; McIntyre, David; Harrington, Holly  
**Subject:** Satellite feed company for NRC Interview  
**Date:** Monday, March 14, 2011 2:54:46 PM

---

Here's the company we had used in the past at TSA and also good suggestion....Youtube posting!

Lara Uselding  
U.S. Nuclear Regulatory Commission (NRC)  
Public Affairs - Region IV

Lara.Uselding@nrc.gov

BlackBerry: (b)(6)

Office: 817-276-6519

For more information visit [www.nrc.gov](http://www.nrc.gov)

**From:** Payne, Sterling [mailto: Sterling.Payne@dhs.gov]  
**Sent:** Monday, March 14, 2011 1:36 PM  
**To:** Uselding, Lara  
**Subject:** RE: I need your help!

I would suggest starting with Rock Creek Production to see if they can help. Here is their main number: 703-481 6590. Tell them you are looking to do a satellite feed.

You guys might also consider putting something on YouTube and folks could get it from there.

**From:** prvs=04715077b=Lara.Uselding@nrc.gov [mailto:prvs=04715077b=Lara.Uselding@nrc.gov] **On Behalf Of** Uselding, Lara  
**Sent:** Monday, March 14, 2011 11:57 AM  
**To:** sterling.payne@dhs.gov; Soule, Greg  
**Subject:** Hi: I need your help!  
**Importance:** High

Hello: So we are having TSA level news media due to the Japan earthquake/tsunami and now follow up questions for NRC here in the US. I must bring chaos wherever I go : )

So, I want to see if you all remember what entity there in DC area we used one time to post a TV interview with our selected TSA official so that TV affiliates around the country could pull b-roll from that interview. We are getting requests from states and cities near power plants and we want to have one voice.

Let me know if you remember who we might have used so I can share with my bosses in HQ in Maryland.

Thanks and hope you are well!

Lara Uselding  
U.S. Nuclear Regulatory Commission (NRC)

HHH/69

Public Affairs - Region IV

Lara.Uselding@nrc.gov

BlackBerry: (b)(6)

Office: 817-276-6519

For more information visit [www.nrc.gov](http://www.nrc.gov)

**From:** Hayden, Elizabeth  
**To:** Burnell, Scott  
**Subject:** FW: Mike from NIKKEI  
**Date:** Monday, March 14, 2011 12:14:00 AM

---

I spoke to Mike about COLs, ESPs, and Lic.Renewals last night. I would suggest you call him to confirm the numbers I gave him about # of applications we have received (18) versus those under active review (12) and the number of units. Looking at the map of proposed sites, he's trying to understand the difference in the number of applications (31 vs 28). He also wanted to know what plant submitted the last license renewal application (and I think the last COL). Working on 5.5 hours of sleep, I couldn't deal with number differences last night, so I hope you can help him out.

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

From: Michael R. Senyszyn [<mailto:msenyszyn@nikkeibp-america.com>]  
Sent: Sunday, March 13, 2011 9:28 PM  
To: Hayden, Elizabeth  
Subject: Mike from NIKKEI

Beth,

This is Mike from NIKKEI BUSINESS. Just wanted to exchange e-mail addresses to keep in contact. I also wanted to thank you for getting back to me, I know you're tired so I really do appreciate it.

Also thanks for giving me Mr. Burnell's e-mail address; I'm sure, like you, he'll prove to be excellent in terms of disseminating some of the information we're looking to streamline.

Anyway, thanks again! Have a good evening and get some rest!

Mike

-----  
Michael R. Senyszyn  
Editorial Assistant  
U.S. Correspondence Bureau  
Nikkei Business Publications, Inc.  
1325 Avenue of the Americas, Suite 2404  
New York, NY 10019  
t: 212-261-6450  
f: 212-261-6459  
c: (b)(6)  
E-mail: [msenyszyn@nikkeibp-america.com](mailto:msenyszyn@nikkeibp-america.com)  
Website: <http://www.nikkeibp.com/>

HHH/70

**From:** Burnell, Scott  
**To:** Hayden, Elizabeth  
**Subject:** RE: STEM Fair Reminder, This Friday March 18th  
**Date:** Monday, March 14, 2011 4:39:55 AM

---

I certainly hope we'll be able to attend the fair – Who's the contact over at the school again?

Yes, I got a decent night's sleep, just trying to get the Inbox weeded out as I get ready for the train.

**From:** Hayden, Elizabeth  
**Sent:** Sunday, March 13, 2011 11:28 PM  
**To:** Rosewag, Daniel  
**Cc:** Burnell, Scott  
**Subject:** RE: STEM Fair Reminder, This Friday March 18th

Daniel, I forgot to ask whether there are any easels available for behind the exhibit tables in the cafeteria for a couple of posters. If not, please let Scott Burnell know who will be filling in for me so he can bring 1 or 2 with him. Thanks.

Beth Hayden

**From:** Rosewag, Daniel [mailto:DFROSEW@carrollk12.org]  
**Sent:** Sunday, March 13, 2011 11:05 PM  
**To:** Ferrin, Charles; Eckles, William; aemartin@umd.edu; bcatterton@sha.state.md.us; (b)(6); (b)(6); dalton1@jhmi.edu; dathomas@towson.edu; David.Desrocher@jhuapl.edu; dhunsicker@globecomm.com; dkelly@evapco.com; DMcLaughlin@umuc.edu; dominic.palumbo@ci.irs.gov; (b)(6); Hayden, Elizabeth; (b)(6); hinge.fagnant@ngc.com; (b)(6); isabel.tejero@fda.hhs.gov; janine.ketter@ngc.com; jeakins@uti.edu; jeffrey.ammann@ttb.gov; jessica.gray@ttb.gov; (b)(6); jordan.alpert@noaa.gov; jpotter@jhmi.edu; kglasser@umbc.edu; kingram@umd.edu; lee@mikesmusicmd.com; lferretto@HCM2.com; lisa.ditillo@knorrbrakecorp.com; lperfetta@lincolntech.com; marcianna.p.delaney@nasa.gov; (b)(6); mcrampton@sha.state.md.us; mdemoss@umd.edu; (b)(6); mkstapleton@towson.edu; mtartal@ec-san.com; (b)(6); rhonaker@lincolntech.com; sarah\_brzezinski@partner.nps.gov; (b)(6); sethannah@msn.com; shartsock@mdsp.org; skim70@jhu.edu; slivinski@stsci.edu; sonal.deshpande@ngc.com; sryan@natgeotv.com; (b)(6); steve.smalley@ngc.com; su@jhu.edu; (b)(6)

**Subject:** STEM Fair Reminder, This Friday March 18th

This is just a friendly reminder that STEM Fair is this coming Friday, March 18th. I sent itinerary and logistics some weeks ago and all confirmed clarity and participation. Please let me know if you have any questions, concerns, or changes to make me aware of. Thanks again and i look forward to meeting all of you this coming Friday, it should be a very enjoyable event for all!!

Daniel Rosewag  
STEM Academy Leader  
Social Studies / Technology Education  
Century High School

HHH/71

**From:** Brenner, Eliot  
**To:** Burnell, Scott; Sheehan, Neil; Hayden, Elizabeth; Harrington, Holly  
**Subject:** Re: Japanese request for assistance  
**Date:** Monday, March 14, 2011 6:49:39 AM

---

I will be in by 730. Release looks ok but hold till I get there. Do want it out for AM shows. Will call shortly.

Eliot Brenner  
Director, Office of Public Affairs  
US Nuclear Regulatory Commission  
Protecting People and the Environment  
301 415 8200

C (b)(6)

Sent from my Blackberry

---

**From:** Burnell, Scott  
**To:** Sheehan, Neil; Brenner, Eliot; Hayden, Elizabeth; Harrington, Holly  
**Sent:** Mon Mar 14 06:44:47 2011  
**Subject:** Re: Japanese request for assistance

I should be to Ops Ctr by 0715 or so.

Sent from an NRC Blackberry  
Scott Burnell

(b)(6)

---

**From:** Sheehan, Neil  
**To:** Brenner, Eliot; Hayden, Elizabeth; Harrington, Holly; Burnell, Scott  
**Sent:** Mon Mar 14 06:41:56 2011  
**Subject:** Japanese request for assistance

Eliot,

The Japanese government has formally asked for assistance from the U.S., via the Ambassador. The Chairman has been notified, and he seemed inclined (at least initially) to support the request.

The request includes technical experts who would be "embedded" in two Emergency Operations Centers on a 24-hour basis. That would mean perhaps six NRC staffers. They want guidance on how to get water from the sea to a pond and from there into the reactor.

I drafted a very brief press release on it that is attached.

Neil

HHH/72

**From:** [ANS.HOC@nrc.gov](mailto:ANS.HOC@nrc.gov)  
**Subject:** ACTION: Office Directors Briefing Notification  
**Date:** Monday, March 14, 2011 7:03:32 AM

---

There will be an Office Directors Briefing given by the Executive Team at 8am Eastern Time concerning the Japan Reactor Issue. Call 1-800-772-3842 approximately 5 minutes before the scheduled start time. When prompted, enter security code (b)(6) You may call 301-816-5164 at this time and follow the voice prompts if you do not wish to receive this notification from our Automatic Notification System.

17444/73

**From:** Hayden, Elizabeth  
**To:** Burnell, Scott  
**Subject:** Re: STEM Fair Reminder, This Friday March 18th  
**Date:** Monday, March 14, 2011 8:17:16 AM

---

Daniel Rosewag

**From:** Burnell, Scott  
**To:** Hayden, Elizabeth  
**Sent:** Mon Mar 14 04:39:54 2011  
**Subject:** RE: STEM Fair Reminder, This Friday March 18th

I certainly hope we'll be able to attend the fair – Who's the contact over at the school again?.

Yes, I got a decent night's sleep, just trying to get the Inbox weeded out as I get ready for the train.

**From:** Hayden, Elizabeth  
**Sent:** Sunday, March 13, 2011 11:28 PM  
**To:** Rosewag, Daniel  
**Cc:** Burnell, Scott  
**Subject:** RE: STEM Fair Reminder, This Friday March 18th

Daniel, I forgot to ask whether there are any easels available for behind the exhibit tables in the cafeteria for a couple of posters. If not, please let Scott Burnell know who will be filling in for me so he can bring 1 or 2 with him. Thanks.

Beth Hayden

**From:** Rosewag, Daniel [mailto:DFROSEW@carrollk12.org]  
**Sent:** Sunday, March 13, 2011 11:05 PM  
**To:** Ferrin, Charles; Eckles, William; aemartin@umd.edu; bcatterton@sha.state.md.us; (b)(6) dalton1@jhmi.edu; dathomas@towson.edu; David.Desrocher@jhuapl.edu; dhunsicker@globecomm.com; dkelly@evapco.com; DMcLaughlin@umuc.edu; dominic.palumbo@ci.irs.gov; (b)(6) Hayden, Elizabeth; (b)(6) hinge.fagnant@ngc.com; (b)(6) isabel.tejero@fda.hhs.gov; janine.ketter@nqc.com; jeakins@uti.edu; jeffrey.ammann@ttb.gov; jessica.gray@ttb.gov; (b)(6) jordan.alpert@noaa.gov; jpotter@jhmi.edu; kglasser@umbc.edu; kingram@umd.edu; lee@mikesmusicmd.com; lferretto@HCM2.com; lisa.ditillo@knorrbrakecorp.com; lperfetta@lincolntech.com; marcianna.p.delaney@nasa.gov; (b)(6) mcrampton@sha.state.md.us; mdemoss@umd.edu; (b)(6) mkstapleton@towson.edu; mtartal@ec-san.com; (b)(6) rhonaker@lincolntech.com; sarah\_brezinski@partner.nps.gov; (b)(6) sethannah@msn.com; shartsock@mdsp.org; skim70@jhu.edu; slivinski@stsci.edu; sonal.deshpande@ngc.com; sryan@natgeotv.com; (b)(6) steve.smalley@nqc.com; su@jhu.edu; (b)(6)  
**Subject:** STEM Fair Reminder, This Friday March 18th

This is just a friendly reminder that STEM Fair is this coming Friday, March 18th. I sent itinerary and logistics some weeks ago and all confirmed clarity and participation. Please let me know if you have any questions, concerns, or changes to make me aware of. Thanks again and i look forward to meeting all of you this coming Friday, it should be a very enjoyable event for all!!

HHH/74



Daniel Rosewag  
STEM Academy Leader  
Social Studies / Technology Education  
Century High School

**From:** Hayden, Elizabeth  
**To:** Powell, Amy  
**Subject:** Re: Chairman's Qs and As  
**Date:** Monday, March 14, 2011 8:15:40 AM

---

Thanks

---

**From:** Powell, Amy  
**To:** Hayden, Elizabeth; Brenner, Eliot  
**Cc:** Harrington, Holly; Schmidt, Rebecca  
**Sent:** Mon Mar 14 06:41:09 2011  
**Subject:** Re: Chairman's Qs and As

The reactor safety team in the HOO has been compiling a number of Q and As for a variety of audiences re: the situation in Japan. OCA does not have them yet but will check status this am and share.

Amy Powell  
Associate Director  
Office of Congressional Affairs  
U. S. Nuclear Regulatory Commission  
Phone: (b)(6)

Sent from my Blackberry

---

**From:** Hayden, Elizabeth  
**To:** Brenner, Eliot  
**Cc:** Harrington, Holly; Powell, Amy  
**Sent:** Sun Mar 13 23:59:42 2011  
**Subject:** Chairman's Qs and As

It would be helpful if we could get a complete set of the Chairman's Qs and As that have been prepared for the Wed. hearing.

HHH/75

**From:** Brenner, Eliot  
**To:** Hayden, Elizabeth  
**Subject:** Re: Chairman's Qs and As  
**Date:** Monday, March 14, 2011 8:32:30 AM

---

Suggest you Bring both passports with you as a hedge against extending your stay overseas.

Eliot Brenner  
Director, Office of Public Affairs  
US Nuclear Regulatory Commission  
Protecting People and the Environment  
301 415 8200

C (b)(6)

Sent from my Blackberry

---

**From:** Hayden, Elizabeth  
**To:** Brenner, Eliot  
**Sent:** Mon Mar 14 08:24:12 2011  
**Subject:** Re: Chairman's Qs and As

OK. I hadn't seen anything since the list on Sat.

---

**From:** Brenner, Eliot  
**To:** Hayden, Elizabeth  
**Sent:** Mon Mar 14 08:17:17 2011  
**Subject:** Re: Chairman's Qs and As

We own the document. Unsure at what point we will turn it loose.

Eliot Brenner  
Director, Office of Public Affairs  
US Nuclear Regulatory Commission  
Protecting People and the Environment  
301 415 8200

C (b)(6)

Sent from my Blackberry

---

**From:** Hayden, Elizabeth  
**To:** Brenner, Eliot  
**Cc:** Harrington, Holly; Powell, Amy  
**Sent:** Sun Mar 13 23:59:42 2011  
**Subject:** Chairman's Qs and As

It would be helpful if we could get a complete set of the Chairman's Qs and As that have been prepared for the Wed. hearing.

HHH/76

**From:** Hayden, Elizabeth  
**To:** Brenner, Eliot  
**Subject:** Re: Japanese request for assistance  
**Date:** Monday, March 14, 2011 8:44:43 AM

---

Understand but I believe we should tout the headline that we are going to Japan to help not that the Japanese have finally surrendered and asked for help.

---

**From:** Brenner, Eliot  
**To:** Hayden, Elizabeth; Sheehan, Neil; Harrington, Holly; Burnell, Scott  
**Sent:** Mon Mar 14 08:24:33 2011  
**Subject:** Re: Japanese request for assistance

Have release ready awaiting GBJ OK. Details of request a bit murky.

Eliot Brenner

Director, Office of Public Affairs

US Nuclear Regulatory Commission

Protecting People and the Environment

301 415 8200

C (b)(6)

Sent from my Blackberry

---

**From:** Hayden, Elizabeth  
**To:** Sheehan, Neil; Brenner, Eliot; Harrington, Holly; Burnell, Scott  
**Sent:** Mon Mar 14 08:15:36 2011  
**Subject:** Re: Japanese request for assistance

Suggest we say we are sending a team in response to Japan request.

---

**From:** Sheehan, Neil  
**To:** Brenner, Eliot; Hayden, Elizabeth; Harrington, Holly; Burnell, Scott  
**Sent:** Mon Mar 14 06:41:56 2011  
**Subject:** Japanese request for assistance

Eliot,

The Japanese government has formally asked for assistance from the U.S., via the Ambassador. The Chairman has been notified, and he seemed inclined (at least initially) to support the request.

The request includes technical experts who would be "embedded" in two Emergency Operations Centers on a 24-hour basis. That would mean perhaps six NRC staffers. They want guidance on how to get water from the sea to a pond and from there into the reactor.

I drafted a very brief press release on it that is attached.

Neil

HHH/77

**From:** Harrington, Holly  
**To:** Hayden, Elizabeth  
**Subject:** Re: Delayed arrival  
**Date:** Monday, March 14, 2011 9:26:27 AM

---

If you need back up this morning call rob taylor. He's in his office this am altho not originally scheduled to help us until later

Sent from NRC Blackberry  
Holly Harrington

(b)(6)

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

**From:** Hayden, Elizabeth  
**To:** Brenner, Eliot; Harrington, Holly; Brenner, Eliot  
**Sent:** Mon Mar 14 08:09:54 2011  
**Subject:** Delayed arrival

I am waiting for the delayed Ops Center briefing before leaving for the office. ETA 9:30.

HHH/78

**From:** Hayden, Elizabeth  
**To:** Brenner, Eliot  
**Subject:** Re: Delayed arrival  
**Date:** Monday, March 14, 2011 8:45:27 AM

---

2:15

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

From: Brenner, Eliot  
To: Hayden, Elizabeth  
Sent: Mon Mar 14 08:14:48 2011  
Subject: Re: Delayed arrival

Ok. What time do you need to leave for airport?

Eliot Brenner

Director, Office of Public Affairs

US Nuclear Regulatory Commission

Protecting People and the Environment

301 415 8200

C (b)(6)

Sent from my Blackberry

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

From: Hayden, Elizabeth  
To: Brenner, Eliot; Harrington, Holly; Brenner, Eliot  
Sent: Mon Mar 14 08:09:54 2011  
Subject: Delayed arrival

I am waiting for the delayed Ops Center briefing before leaving for the office. ETA 9:30.

HHH/79

**From:** Ledford, Joey  
**To:** Akstulewicz, Brenda; Batkin, Joshua; Belmore, Nancy; Brenner, Eliot; Brock, Terry; Burnell, Scott; Couret, Ivonne; Dacus, Eugene; Davis, Chon; Davis, Gwendolyn; Decker, David; Hannah, Roger; Harrington, Holly; Hayden, Elizabeth; Jones, Andrea; Kennedy, Kriss; Ledford, Joey; McCree, Victor; McGrady-Finneran, Patricia; McIntyre, David; Mroz (Sahm), Sara; Munday, Joel; OPA Resource; Plisco, Loren; Powell, Amy; Quesenberry, Jeannette; Reyes, Luis; Schmidt, Rebecca; Shane, Raeann; Shannon, Valerie; Shea, Joseph; Siurano-Perez, Osiris; Smith, Shawn; Tobin, Jennifer; Trojanowski, Robert; Turtill, Richard; Vicki Ibarra; Virgilio, Rosetta; Weil, Jenny; Wert, Leonard; Woodruff, Gena  
**Cc:** QPA11  
**Subject:** News Release II-11-007 (Special Inspection at Global Nuclear Fuel)  
**Date:** Monday, March 14, 2011 10:09:38 AM  
**Attachments:** 11-007.doc  
image001.png

---

The attached news release will be issued by Region II about 11 a.m.

**Joey Ledford**  
**Public Affairs Officer**  
**Region II – Atlanta, Ga.**  
**O: 404.997.4416**

**C:** (b)(6)  
joey.ledford@nrc.gov



HHH/80



# NRC NEWS

## U.S. NUCLEAR REGULATORY COMMISSION

Office of Public Affairs, Region II  
245 Peachtree Center Ave. NE, Suite 1200  
Atlanta, GA 30303-1257  
Web Site: [www.nrc.gov](http://www.nrc.gov)

No. II-11-007

March 14, 2011

CONTACT: Roger Hannah (404) 997-4417  
Joey Ledford (404) 997-4416

E-mail: [OPA2@nrc.gov](mailto:OPA2@nrc.gov)

### NRC SENDS SPECIAL INSPECTION TEAM TO GLOBAL NUCLEAR FUEL PLANT

The Nuclear Regulatory Commission has sent a Special Inspection Team to Global Nuclear Fuel-Americas, LLC, to examine the circumstances associated with an event in which the licensee failed to maintain required process control over a small quantity of enriched uranium. The nuclear fuel manufacturing facility is located in Wilmington, N.C.

The event, reported to the NRC on March 2, occurred in a grinding station in one of the facility's process lines. A quantity of uranium dioxide beyond prescribed limits was found to have accumulated in a filter in the grinding station.

Upon discovery of the condition, all of the facility's grinding stations were shut down to assess their conditions. No other examples of powder accumulation were discovered. Other process controls and systems ensured that event posed no danger to plant employees or the public.

The three-member NRC special inspection team, which is expected to begin its work at the facility today, will determine the safety implications of the event and the adequacy of the licensee's corrective actions.

The NRC will issue a publicly available inspection report documenting the findings within 30 days after the inspection is completed.

###



**From:** Burnell, Scott  
**To:** Brenner, Eliot; Hayden, Elizabeth; hollymharrington@aol.com; Harrington, Holly  
**Cc:** Akstulewicz, Brenda  
**Subject:** Directions for Regions  
**Date:** Monday, March 14, 2011 10:45:50 AM  
**Importance:** High

---

All;

Just had a call with Prema/Vika and a followup with Sartorius in the ET room – Regions seem to think tech staff/residents should send ALL media/public calls straight to the HOOs. I directed Vika/Prema to use their best judgement to act as a filter for the calls that can be handled at the Regions and send the rest to (b)(6)

Sartorius is fine with HOOs after hours and the arrangement above for business hours. Can we send a agency-wide e-mail with that direction? Thanks.

Scott

HHH/82

**From:** Taylor, Renee  
**To:** Abraham, Susan; Akstulewicz, Brenda; Andersen, James; Ash, Darren; Baker, Pamela; Belmore, Nancy; Bettis, Ashley; Boger, Bruce; Borchardt, Bill; Boyce, Thomas (OIS); Boyd, Lena; Brenner, Eliot; Brown, Milton; Buckley, Patricia; Campbell, Andy; Casby, Marcia; Casto, Chuck; Cianci, Sandra; Cohen, Miriam; Collins, Elmo; Crawford, Carrie; Crouch, Nicole; Cullison, David; Dambly, Jan; Dapas, Marc; Darby, Krystal; Deegan, George; Delligatti, Mark; Dembeck, Stephen; Doolittle, Elizabeth; Dorman, Dan; Dubose, Sheila; EDO Distribution; Ficks, Ben; Flory, Shirley; Garland, Stephanie; Givvines, Mary; Golder, Jennifer; Grobe, Jack; Gusack, Barbara; Harris, Natasha; Hasan, Nasreen; Hayden, Elizabeth; Higginbotham, Tina; Holahan, Gary; Holahan, Patricia; Hopkins, Rhonda; Howard, Patrick; Howell, Art; Jaegers, Cathy; Kaplan, Michele; Kelley, Corentis; Krupnick, David; Landau, Mindy; Lee, Pamela; Lew, David; Mamish, Nader; Matakas, Gina; McCrary, Cheryl; Miles, Patricia; Mitchell, Reggie; Moore, Scott; Muessie, Mary; QDaniell, Cynthia; Owen, Lucy; Pederson, Cynthia; Poland, Catherine; Powell, Amy; Pulliam, Timothy; Quesenberry, Jeannette; Raynor, Kathleen; Reynolds, Steven; Rheume, Cynthia; Riddick, Nicole; Ronewicz, Lynn; Ross, Brenda; Ross, Robin; Salus, Amy; Santiago, Patricia; Satorius, Mark; Schaeffer, James; Schmidt, Rebecca; Schum, Constance; Schumann, Stacy; Schwarz, Sherry; Shah, Maria; Shay, Jason; Smith, Beverly; Somerville, Glenda; Sprogeris, Patricia; Stewart, Sharon; Tannenbaum, Anita; Taylor, Renee; Tomczak, Tammy; Tracy, Glenn; Uhle, Jennifer; Veltri, Debra; Virgilio, Martin; Walker, Dwight; Weber, Michael; Wert, Leonard; West, Steven; Williams, Barbara; Wyatt, Melissa; Zimmerman, Roy; Seltzer, Rickie; Arildsen, Jesse  
**Subject:** Scheduling Call Agenda - March 14, 2011  
**Date:** Monday, March 14, 2011 10:50:58 AM  
**Importance:** High

---

Good morning,

The topics for today's scheduling call are as follows:

**Topics for Scheduling Call – March 14, 2011**

1. Op Center Support Priority
2. Strategic Acquisition SRM & Interim POC Process – Rickie Seltzer
3. Profiling OIG Report Recommendation Status Correspondence in ADAMS for Public Availability – Jesse Arildsen
4. Commission Meeting Presentation Feedback – Jim Andersen

Please feel free to come to Mary's office (O-17H20) for the meeting. The bridge line for this call is 1-800-857-0150, pass code (b)(6)

Thank you,

*Renee Taylor*

Administrative Assistant to the Executive Director for Operations  
U.S. Nuclear Regulatory Commission  
(301) 415-1701

HHH/82

**From:** Hayden, Elizabeth  
**To:** Burnell, Scott; LIA04 Hoc  
**Cc:** Brenner, Eliot; Harrington, Holly; (b)(6)  
**Subject:** RE: Questions  
**Date:** Monday, March 14, 2011 11:04:00 AM

---

More good questions. We need a well-understood strategy and process for handling these questions and guidance on what OPA staff can/cannot say. This ties into the questions that will be asked at the EOC meetings coming up. After Eliot talks to the Chairman, perhaps we can spend a few minutes getting resolution to this issue.

*Beth*

**From:** Burnell, Scott  
**Sent:** Monday, March 14, 2011 10:48 AM  
**To:** LIA04 Hoc  
**Cc:** Brenner, Eliot; Hayden, Elizabeth; Harrington, Holly;  
**Subject:** RE: Questions

(b)(6)

We're working on that, please stand by.

**From:** LIA04 Hoc  
**Sent:** Monday, March 14, 2011 10:47 AM  
**To:** Burnell, Scott  
**Subject:** FW: Questions

Scott, I just left you a voicemail. We are getting many of these types of questions and would like guidance from OPA on how to handle.

**From:** Tift, Doug  
**Sent:** Monday, March 14, 2011 10:36 AM  
**To:** LIA04 Hoc  
**Cc:** McNamara, Nancy  
**Subject:** FW: Questions

Additional questions for our Q&A.

-Doug

**From:** Giarrusso, John (CDA) [mailto:John.Giarrusso@state.ma.us]  
**Sent:** Monday, March 14, 2011 9:30 AM  
**To:** 'Wilson, Mary Ann'; 'Currier, David'; McKenney, Mike  
**Cc:** McNamara, Nancy; Tift, Doug; Schwartz, Kurt (EPS)  
**Subject:** Questions

Needless to say, there are a lot of questions being asked because of the devastation in Japan. The Director, Secretary of EOPSS and Governor's office have been asking questions and I have been sending out information I have received on the plants in Japan.

I would like all three plants to answer the following questions that I have been asked.

- What is the seismic limit that Pilgrim Station, Seabrook Station and Vermont Yankee have been built to withstand?
- Please explain that outcome at each plant if it was hit with a 8.9 earthquake the same as what hit Japan?

HHH/83

- For Pilgrim Station and Seabrook Station, what design and safety precautions have been installed at your plant to sustain a devastating tsunami that would hit as did the tragedy at the Japanese plants?
- If the same tragedy hit our plants would we be having the same major issues that the Japanese plants have? Please explain yes or not.

Please let me know when I can expect an answer to these questions or if you would like to meet and discuss that would be ok

Thanks and let me know if you have any questions

John

John Giarrusso, Jr.

Planning and Preparedness Division Chief

MEMA

508-820-2040 (w)

|        |     |
|--------|-----|
| (b)(6) | (c) |
|--------|-----|

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

From: Couret, Ivonne

Sent: Monday, March 14, 2011 9:15 AM

To: AV-PHOTO Resource

Subject: Photographer needed at Ops center now

Sent from an NRC BlackBerry

Ivonne L. Couret

(b)(6)

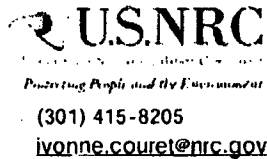
HHH/84

**From:** Couret, Ivonne  
**To:** Hayden, Elizabeth; Brenner, Eliot  
**Cc:** Harrington, Holly  
**Subject:** RE: Chairman interview on energyNOW!  
**Date:** Monday, March 14, 2011 11:11:57 AM

---

Yes send them to me and I'm plugging them in. Ivonne


Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs



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.

**From:** Hayden, Elizabeth  
**Sent:** Monday, March 14, 2011 11:10 AM  
**To:** Brenner, Eliot  
**Cc:** Harrington, Holly; Couret, Ivonne  
**Subject:** FW: Chairman interview on energyNOW!

Here's another request for an interview. Are we still keeping a log on these?

I will tell her it is very doubtful we can accommodate her request in view of the Japan situation and tell her about tomorrow's hearing.

*Beth*

**From:** Ashley Bernardi [mailto:[ashley-bernardi@energynow.com](mailto:ashley-bernardi@energynow.com)]  
**Sent:** Sunday, March 13, 2011 1:04 PM  
**To:** Hayden, Elizabeth  
**Subject:** Chairman interview on energyNOW!

Hi Beth,

This is Ashley Bernardi, Senior Booker and Producer for energyNOW!, airing nationally on Bloomberg and locally in DC on ABC7. I am writing to request a one-on-one interview with Chairman Jaczko on either Tuesday, March 15 or Wednesday, March 16 at anytime he is available. In light of the nuclear disaster in Japan, we will be focusing on show this coming week on nuclear safety in America. If we were to face a disaster similar to this, is the U.S. prepared to respond?

HHH/85

This would be a 10 minute interview with our Anchor Thalia Assuras.

I understand your schedules are packed next week and that he is surely receiving a lot of interview requests, but we are the premiere national energyNOW! show -- our national audience turns to us to get their energy news, and would expect to hear from someone such as Chairman Jaczko in for the U.S. response as to what happened in Japan.

I look forward to hearing from you.

Best,  
Ashley

--

Ashley Bernardi  
Senior Booker / Producer  
*energyNOW!*  
[www.energynow.com](http://www.energynow.com)  
[ashley@energynow.com](mailto:ashley@energynow.com)  
Twitter: BookerBernardi  
750 1st Street NE, Suite 1100  
Washington, D.C. 20002  
Office: 202-621-2937

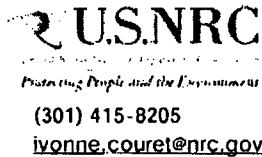
Cell: (b)(6)

**From:** Couret, Ivonne  
**To:** Uselding, Lara; Brenner, Eliot; Hayden, Elizabeth; Akstulewicz, Brenda; OPA Distribution  
**Cc:** Harrington, Holly  
**Subject:** RE: FYI on fake graphic circulating  
**Date:** Monday, March 14, 2011 11:46:20 AM

---

Perhaps this can be a blog post on fake or inaccurate maps..Ivonne

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs



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.

**From:** Uselding, Lara  
**Sent:** Monday, March 14, 2011 11:44 AM  
**To:** Brenner, Eliot; Hayden, Elizabeth; Akstulewicz, Brenda; OPA Distribution  
**Subject:** FYI on fake graphic circulating

My colleague saw this in a comment section of an online news story. I've already had a call from a member of the public asking for a website where he can track wind direction from Japan....

Lara Uselding  
U.S. Nuclear Regulatory Commission (NRC)  
Public Affairs - Region IV

[Lara.Uselding@nrc.gov](mailto:Lara.Uselding@nrc.gov)  
BlackBerry (b)(6)  
Office: 817-276-6519

For more information visit [www.nrc.gov](http://www.nrc.gov)

**From:** Smith, Chris  
**Sent:** Monday, March 14, 2011 10:41 AM  
**To:** Uselding, Lara  
**Subject:** FYI

Attached is a fake graphic that's floating around the internet. Obviously, it is fraudulent, but it wouldn't surprise me if it appears in a news story. Just a heads up.

HHH/86



**From:** Uselding, Lara  
**To:** Brenner, Eliot; Hayden, Elizabeth; Akstulewicz, Brenda; OPA Distribution  
**Subject:** FYI on fake graphic circulating  
**Date:** Monday, March 14, 2011 11:44:42 AM

---

My colleague saw this in a comment section of an online news story. I've already had a call from a member of the public asking for a website where he can track wind direction from Japan....

Lara Uselding  
U.S. Nuclear Regulatory Commission (NRC)  
Public Affairs - Region IV

Lara.Uselding@nrc.gov

BlackBerry: (b)(6)

Office: 817-276-6519

For more information visit [www.nrc.gov](http://www.nrc.gov)

**From:** Smith, Chris  
**Sent:** Monday, March 14, 2011 10:41 AM  
**To:** Uselding, Lara  
**Subject:** FYI

Attached is a fake graphic that's floating around the internet. Obviously, it is fraudulent, but it wouldn't surprise me if it appears in a news story. Just a heads up.



W. Christopher Smith  
NRC, Region IV  
Division of Reactor Projects (PBE)  
817.860.8095

**From:** Jones, Cynthia  
**To:** Hayden, Elizabeth  
**Subject:** FW: INES link on NSIR NRC website - Homepage key topic?  
**Date:** Monday, March 14, 2011 12:39:39 PM

---

Beth-

The link to the International Nuclear and Radiological Event Scale (INES) at the NRC was temporarily moved from NSIR's homepage last week during a webmaster edit. (I am working to get it back on the main page. I mentioned to Holly that you could link to it on your website (she mentioned it as a Homepage key topic). Your thoughts on this?

The NRC link is <http://148.184.213.252/NSIR/docs/INES.pdf>.

Cyndi

**From:** Harrington, Holly  
**Sent:** Monday, March 14, 2011 11:39 AM  
**To:** Jones, Cynthia  
**Subject:** Re: INES link on NSIR NRC website

??? Homepage key topic makes sense to me. Check with beth

Sent from NRC Blackberry

Holly Harrington

(b)(6)

**From:** Jones, Cynthia  
**To:** Harrington, Holly  
**Sent:** Mon Mar 14 11:34:25 2011  
**Subject:** RE: INES link on NSIR NRC website

Holly-

You can add it to your webpage also if you want.

**From:** Harrington, Holly  
**Sent:** Monday, March 14, 2011 11:33 AM  
**To:** Jones, Cynthia  
**Subject:** Re: INES link on NSIR NRC website

Good rhinking

Sent from NRC Blackberry

Holly Harrington

(b)(6)

**From:** Jones, Cynthia  
**To:** HOO Hoc  
**Cc:** Hayden, Elizabeth; Harrington, Holly; McIntyre, David; Brandon, Lou; Temple, Jeffrey; Gott, William;

HHH/87

ICWG; Brown, Cris; Evans, Michele; Ballam, Nick; NSIR\_IT\_Services Resource  
**Sent:** Mon Mar 14 11:20:43 2011  
**Subject:** INES link on NSIR NRC website

FYI-

I have gotten several phone calls about the location of where the INES information is on the NSIR website. Since last week have I been trying to get the NSIR webmaster contact to move the INES link on the NSIR Homepage **back** to the front page of NSIR where it was until the recent web page renovations last week.

In the meantime, the NRC link is <http://148.184.213.252/NSIR/docs/INES.pdf> . I'll let you know when the NSIR webmaster gets its located back to the NSIR home page. (where it will be located on the lower left of the home page under "Quicklinks.")

Cyndi

Cynthia G. Jones, Ph.D.,  
US INES National Officer  
Sr. Technical Advisor for Nuclear Security  
U.S. Nuclear Regulatory Commission  
Office of Nuclear Security & Incident Response  
Mail Stop T4-D22A, Washington, D.C. 20555  
[cynthia.jones@nrc.gov](mailto:cynthia.jones@nrc.gov)

[cj@nrc.gov](mailto:cj@nrc.gov)

Work: 301-415-0298

Blackberry: (b)(6)

The Best Places to Work  
IN THE FEDERAL GOVERNMENT

**From:** Bavol, Rochelle  
**To:** Pearson, Laura; Baggett, Steven; Bavol, Rochelle; Bradford, Anna; Castleman, Patrick; Hart, Ken; Kock, Andrea; Laufer, Richard; Shea, Pamela; Tadesse, Rebecca; Thoma, John; Vietti-Cook, Annette; Ammon, Bernice; Bupp, Margaret; Burns, Stephen; Clark, Lisa; Coggins, Angela; Davis, Roger; Reddick, Darani; Sexton, Kimberly; Zorn, Jason  
**Cc:** Doane, Margaret; Mamish, Nader; Adler, James; Batkin, Joshua; Blake, Kathleen; Bozin, Sunny; Bubar, Patrice; Chairman Temp; Crawford, Carrie; Dhir, Neha; Droggitis, Spiros; EDO ETAs; Fopma, Melody; Gibbs, Catina; Greathead, Nancy; Harves, Carolyn; Hayden, Elizabeth; Henderson, Karen; Herr, Linda; Hudson, Sharon; Jimenez, Patricia; Joosten, Sandy; KLS Temp; Kreuter, Jane; Lepre, Janet; Lewis, Antoinette; Loyd, Susan; Lui, Christiana; Monninger, John; Montes, David; Moore, Scott; Nieh, Ho; Olive, Karen; Pace, Patti; Poole, Brooke; Rothschild, Trip; Savoy, Carmel; Sharkey, Jeffrey; Sosa, Belkys; Speiser, Herald; Svinicki, Kristine; Temp, GEA; Temp, WCO; Temp, WDM; Warren, Roberta; Wright, Darlene  
**Subject:** FW: VERSION B - SENSITIVE DRAFT SRM - SECY-11-0010 - Process for Sharing Computer Safety Codes Developed by the U.S. NRC with Foreign Counterparts  
**Date:** Monday, March 14, 2011 4:46:42 PM

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Please note below the GBJ extension request in which to respond to the subject draft SRM. Assuming there are no objections, the extension will be granted. Any office having an objection should notify SECY.

Thank you,  
*Rochelle*

**From:** Pearson, Laura  
**Sent:** Monday, March 14, 2011 4:37 PM  
**To:** Bavol, Rochelle; Bradford, Anna; Warren, Roberta  
**Subject:** RE: VERSION B - SENSITIVE DRAFT SRM - SECY-11-0010 - Process for Sharing Computer Safety Codes Developed by the U.S. NRC with Foreign Counterparts

The Chairman's office requests an extension of the deadline to COB March 18, 2011.

Laura Pearson  
Acting Policy Advisor for Security and Int'l Programs  
Office of the Chairman  
U.S. NRC  
(301) 415-8044

(b)(6)

(C)

**From:** Laufer, Richard  
**Sent:** Monday, March 07, 2011 12:04 PM  
**To:** Pearson, Laura; Baggett, Steven; Bavol, Rochelle; Bradford, Anna; Castleman, Patrick; Hart, Ken; Kock, Andrea; Laufer, Richard; Shea, Pamela; Tadesse, Rebecca; Thoma, John; Vietti-Cook, Annette; Ammon, Bernice; Bupp, Margaret; Burns, Stephen; Clark, Lisa; Coggins, Angela; Davis, Roger; Reddick, Darani; Sexton, Kimberly; Zorn, Jason  
**Cc:** Doane, Margaret; Mamish, Nader; Adler, James; Batkin, Joshua; Blake, Kathleen; Bozin, Sunny; Bubar, Patrice; Chairman Temp; Crawford, Carrie; Dhir, Neha; Droggitis, Spiros; EDO ETAs; Fopma, Melody; Gibbs, Catina; Greathead, Nancy; Harves, Carolyn; Hayden, Elizabeth; Henderson, Karen; Herr, Linda; Hudson, Sharon; Jimenez, Patricia; Joosten, Sandy; KLS Temp; Kreuter, Jane; Lepre, Janet; Lewis, Antoinette; Loyd, Susan; Lui, Christiana; Monninger, John; Montes, David; Moore, Scott; Nieh,

HHH/88

**From:** Hannah, Roger  
**To:** Brenner, Eliot; Hayden, Elizabeth; Harrington, Holly  
**Subject:** FW: Potential questions for EOC meetings  
**Date:** Monday, March 14, 2011 5:12:42 PM  
**Attachments:** image001.png

---

FYI --

**Roger Hannah, APR**

*Senior Public Affairs Officer*

*Region II -- Atlanta, Ga.*

*Office - 404-997-4417*

*Cell - (b)(6)*

*[roger.hannah@nrc.gov](mailto:roger.hannah@nrc.gov)*



*United States Nuclear Regulatory Commission*

*Protecting People and the Environment*

**From:** McCree, Victor  
**Sent:** Monday, March 14, 2011 4:46 PM  
**To:** Hannah, Roger; Ledford, Joey  
**Cc:** Collins, Elmo; Dean, Bill; Satorius, Mark; Wert, Leonard; Casto, Chuck  
**Subject:** FW: Potential questions for EOC meetings

Here are questions that OPA, et.al., are asked to consider in developing the agency Q&As for the Japanese earthquake/tsunami...and that can be referenced by NRC managers in preparation for the ROP end-of-cycle and other near term public meetings.

Vic

**From:** Croteau, Rick  
**Sent:** Monday, March 14, 2011 4:35 PM  
**To:** McCree, Victor  
**Cc:** Wert, Leonard; Jones, William  
**Subject:** Potential questions for EOC meetings

Vic,

Not sure how you wanted these, but here are some of the questions we could see being asked at EOCs:

- 1. Do US nuclear plants have better capabilities to respond to natural disasters than the plants in Japan?**
- 2. Did the NRC share the post 9/11 enhancements to the U.S. facilities with the Japanese?**
- 3. Could there be core damage and radiation release at a US plant if a natural disaster exceeding the plant design were to occur?**
- 4. Could explosions like those that occurred in Japan happen at a U.S facility?**
- 5. How would the U.S. have responded to the events of March 11?**

HHH/89

- 6. How are US BWRs similar and/or different from the plants experience problems in Japan?**
- 7. Why are US plants safe to operate considering the events in Japan?**
- 8. How big an earthquake is plant X designed to handle (for each plant)?**
- 9. Is plant X designed to withstand a tsunami (for each coastal plant)?**
- 10. What is the NRC doing to ensure this (Japan event) doesn't happen at US plants?**
- 11. How will the U.S. learn from the failures at the Japanese reactors?**
- 12. Is the NRC relooking at seismic analysis for US plants?**
- 13. Is the event in Japan worse than TMI and Chernobyl?**
- 14. What is the longer term prognosis for keeping the reactors cooled at the Japanese facilities?**
- 15. Does the NRC participate in inspection of the Japanese facilities?**
- 16. Given low probability events do occur, how does the U.S . ensure that U.S. plant designs are not significantly degraded by risk-informed changes?**
- 17. How does the NRC ensure people can escape if an accident occurs from a natural disaster when the infrastructure is also affected or destroyed in an area around a plant?**

Rick

**From:** Hayden, Elizabeth  
**To:** Brenner, Eliot; Harrington, Holly; Shannon, Valerie; Couret, Ivonne; Akstulewicz, Brenda; McIntyre, David; Burnell, Scott; Janberg, Holly  
**Subject:** Fw: Public Website Publishing --> 24 Hour Support  
**Date:** Monday, March 14, 2011 5:27:49 PM  
**Attachments:** image001.png

---

**From:** Partlow, Benjamin  
**To:** OPA Resource; Hayden, Elizabeth  
**Cc:** Rasouli, Houman; Janney, Margie; Holonich, Joseph; Corbett, James  
**Sent:** Mon Mar 14 16:48:31 2011  
**Subject:** Public Website Publishing --> 24 Hour Support

Beth Hayden et al.,

The OIS Web Team has arranged to provide 24-hour support for public website publishing. This support will continue for as long as needed by OPA.

**Regular Working Hours: Monday – Friday 7:30am – 5:30pm**

Send requests to Webwork.Resource@nrc.gov (and cc WebContrator.Resource@nrc.gov ). Mark urgent requests with "URGENT" in the email subject line.

Point of Contact: Sally Hardy. Sally.Hardy@nrc.gov, cell (b)(6)

**Non-Regular Working Hours – (all other times)**

Point of Contact: Sally Hardy. Sally.Hardy@nrc.gov, cell (call this number first) (b)(6) home  
(b)(6) NRC BlackBerry (b)(6)

Please feel free to contact me at any time if you have any questions.

Ben Partlow  
Section Chief  
OIS/IRSD/1MB/ADDPS  
T02-F08  
o-301.415.8444  
c (b)(6)  
2 USNRC

17111/90

**From:** Uselding, Lara  
**To:** Brenner, Eliot; Hayden, Elizabeth; Burnell, Scott; McIntyre, David; Harrington, Holly  
**Subject:** SONGS CNO is getting grilled by Wolf Blitzer about seismic risk  
**Date:** Monday, March 14, 2011 6:49:08 PM

---

CNO is trying to describe why he thinks SONGS can withstand what happened at Japan. He's using numbers of ground acceleration as comparison, but Wolf Blitzer keeps spouting numbers from the epicenter. Wolf accused him of spinning the facts. This seismic and nuclear risk communication is going to get ugly! CNN is still confusing PWR and BWR reactor designs.

Lara Uselding  
U.S. Nuclear Regulatory Commission (NRC)  
Public Affairs - Region IV

Lara.Uselding@nrc.gov

BlackBerry: (b)(6)

Office: 817-276-6519

For more information visit [www.nrc.gov](http://www.nrc.gov)

**From:** Andreas, Dorothy C [mailto:Dorothy.Andreas@pepperdine.edu]  
**Sent:** Monday, March 14, 2011 4:56 PM  
**To:** Collins, Elmo  
**Subject:** SONGS CNO is getting grilled by Wolf Blitzer about seismic risk

CNO is trying to describe why he thinks SONGS can withstand what happened at Japan. He's using numbers of ground acceleration as comparison, but Wolf Blitzer keeps spouting numbers from the epicenter. Wolf accused him of spinning the facts. This seismic and nuclear risk communication is going to get ugly! CNN is still confusing PWR and BWR reactor designs.

Dorothy

Dorothy C. Andreas, Ph.D.

Assistant Professor of Communication  
School of Communication and Journalism  
Pepperdine University  
12500 Main Campus Highway  
Malibu, CA 90263-1211  
310-306-3430  
Dorothy.andreas@pepperdine.edu

HHH/91



**From:** Brenner, Eliot  
**To:** Burnell, Scott; Uselding, Lara; Hayden, Elizabeth; Akstulewicz, Brenda; OPA Distribution  
**Subject:** Re: FYI on fake graphic circulating  
**Date:** Monday, March 14, 2011 11:52:53 AM

---

Have holly do quick blog sayong we have seen plume charts and they are bogus. Thought we shot it down yesterday.

Eliot Brenner  
Director, Office of Public Affairs  
US Nuclear Regulatory Commission  
Protecting People and the Environment  
301 415 8200

C (b)(6)

Sent from my Blackberry

**From:** Burnell, Scott  
**To:** Uselding, Lara; Brenner, Eliot; Hayden, Elizabeth; Akstulewicz, Brenda; OPA Distribution  
**Sent:** Mon Mar 14 11:46:16 2011  
**Subject:** RE: FYI on fake graphic circulating

Also a version with NRC logo on it – suggest we might need a blog post or something to counter.

**From:** Uselding, Lara  
**Sent:** Monday, March 14, 2011 11:44 AM  
**To:** Brenner, Eliot; Hayden, Elizabeth; Akstulewicz, Brenda; OPA Distribution  
**Subject:** FYI on fake graphic circulating

My colleague saw this in a comment section of an online news story. I've already had a call from a member of the public asking for a website where he can track wind direction from Japan....

Lara Uselding  
U.S. Nuclear Regulatory Commission (NRC)  
Public Affairs - Region IV

Lara.Uselding@nrc.gov

BlackBerry: (b)(6)

Office: 817-276-6519

For more information visit [www.nrc.gov](http://www.nrc.gov)

**From:** Smith, Chris  
**Sent:** Monday, March 14, 2011 10:41 AM  
**To:** Uselding, Lara  
**Subject:** FYI

Attached is a fake graphic that's floating around the internet. Obviously, it is fraudulent, but it wouldn't surprise me if it appears in a news story. Just a heads up.

HHH/92

**From:** Hayden, Elizabeth  
**To:** McIntyre, David  
**Subject:** RE: TV requests at plants - strategy moving forward  
**Date:** Monday, March 14, 2011 12:04:00 PM

---

It only says

Given the thousands of miles between the two countries

Reporters are looking for more detailed information.

*Beth*

**From:** McIntyre, David  
**Sent:** Monday, March 14, 2011 12:02 PM  
**To:** Mitlyng, Viktoria; Hayden, Elizabeth; Screnci, Diane; Uselding, Lara; Brenner, Eliot; Burnell, Scott; Harrington, Holly; Akstulewicz, Brenda; Sheehan, Neil; Chandrathil, Prema; Hannah, Roger; Ledford, Joey  
**Subject:** Re: TV requests at plants - strategy moving forward

It was explained in the press release.

David McIntyre  
NRC Office of Public Affairs  
(b)(6) [redacted] mobile)  
301-415-8200 (office)

Sent from my BlackBerry, which is wholly respnsble for all tyoops.

**From:** Mitlyng, Viktoria  
**To:** Hayden, Elizabeth; Screnci, Diane; Uselding, Lara; Brenner, Eliot; Burnell, Scott; Harrington, Holly; McIntyre, David; Akstulewicz, Brenda; Sheehan, Neil; Chandrathil, Prema; Hannah, Roger; Ledford, Joey

**Sent:** Mon Mar 14 11:55:25 2011  
**Subject:** RE: TV requests at plants - strategy moving forward

Addressing how we reached the conclusion that US citizens wouldn't be harmed would be useful. We are getting questions about that.

**From:** Hayden, Elizabeth  
**Sent:** Monday, March 14, 2011 10:50 AM  
**To:** Screnci, Diane; Uselding, Lara; Brenner, Eliot; Burnell, Scott; Harrington, Holly; McIntyre, David; Akstulewicz, Brenda; Sheehan, Neil; Chandrathil, Prema; Mitlyng, Viktoria; Hannah, Roger; Ledford, Joey  
**Subject:** RE: TV requests at plants - strategy moving forward

Also the individual could address plume dispersion and how we can say why no one in the U.S. would be harmed by the radiation from Japan.

*Beth Hayden*  
*Senior Advisor*

4441-93

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

**From:** Screnci, Diane  
**Sent:** Monday, March 14, 2011 11:35 AM  
**To:** Uselding, Lara; Brenner, Eliot; Hayden, Elizabeth; Burnell, Scott; Harrington, Holly; McIntyre, David; Akstulewicz, Brenda; Sheehan, Neil; Chandrathil, Prema; Mitlyng, Viktoria; Hannah, Roger; Ledford, Joey  
**Subject:** RE: TV requests at plants - strategy moving forward

Good idea.

**DIANE SCRENCI**  
SR. PUBLIC AFFAIRS OFFICER  
USNRC, RI  
610/337-5330

**From:** Uselding, Lara  
**Sent:** Monday, March 14, 2011 10:44 AM  
**To:** Brenner, Eliot; Hayden, Elizabeth; Burnell, Scott; Harrington, Holly; McIntyre, David; Akstulewicz, Brenda; Screnci, Diane; Sheehan, Neil; Chandrathil, Prema; Mitlyng, Viktoria; Hannah, Roger; Ledford, Joey  
**Subject:** Re: TV requests at plants - strategy moving forward

Perhaps a good option is we select the best NRC person to do one on camera interview to discuss all the issues being raised, design basis and seismic related defense in depth, barriers, etc. and make available thru a TV consortium so that affiliates around the country can pull from this b-roll. We did this at TSA once and I can try and get who we used to do this.

Lara  
Lara Uselding  
NRC Region 4 Public Affairs  
817-917-0321

**From:** Brenner, Eliot  
**To:** Uselding, Lara; Hayden, Elizabeth; Burnell, Scott; Harrington, Holly; McIntyre, David; Couret, Ivonne; Shannon, Valerie; Janbergs, Holly; Akstulewicz, Brenda; Screnci, Diane; Sheehan, Neil; Chandrathil, Prema; Mitlyng, Viktoria; Hannah, Roger; Ledford, Joey; Dricks, Victor  
**Sent:** Mon Mar 14 10:25:22 2011  
**Subject:** Re: TV requests at plants - strategy moving forward

Exploring all PR options now.  
Eliot Brenner  
Director, Office of Public Affairs  
US Nuclear Regulatory Commission  
Protecting People and the Environment

301 415 8200

C (b)(6)

Sent from my Blackberry

**From:** Uselding, Lara

**To:** Brenner, Eliot; Hayden, Elizabeth; Burnell, Scott; Harrington, Holly; McIntyre, David; Couret, Ivonne; Shannon, Valerie; Janbergs, Holly; Akstulewicz, Brenda; Screnci, Diane; Sheehan, Neil; Chandrathil, Prema; Mitlyng, Viktoria; Hannah, Roger; Ledford, Joey; Dricks, Victor

**Sent:** Mon Mar 14 10:22:40 2011

**Subject:** TV requests at plants - strategy moving forward

Hello Eliot: I had an interview request this morning from an Arkansas ABC affiliate looking for an interview at the ANO plant to discuss design and safety measures to protect against seismic activity. I also know that CNN mentioned Calloway along with DC. I imaging we are all getting a lot of "is my plant safe?" type interviews.

For the ANO site, I obviously didn't provide an interview and was able to share our messaging on plant requirements. As we get more of these types of interview requests for our different plants, do we anticipate wanting to put the RIs on camera at all or just let the plants discuss their design basis?

Lara Uselding

U.S. Nuclear Regulatory Commission (NRC)

Public Affairs - Region IV

Lara.Uselding@nrc.gov

BlackBerry (b)(6)

Office: 817-276-6519

For more information visit [www.nrc.gov](http://www.nrc.gov)

**From:** Brenner, Eliot

**Sent:** Sunday, March 13, 2011 6:02 PM

**To:** Hayden, Elizabeth; Burnell, Scott; Harrington, Holly; McIntyre, David; Couret, Ivonne; Shannon, Valerie; Janbergs, Holly; Akstulewicz, Brenda; Screnci, Diane; Sheehan, Neil; Chandrathil, Prema; Mitlyng, Viktoria; Hannah, Roger; Ledford, Joey; Dricks, Victor; Uselding, Lara

**Subject:** upcoming week

OPA Staffers:

It has been a very hectic weekend and a good test of our crisis communication planning. Thank you to the headquarter's folks who sacrificed their weekends (and their sleep) to come in. And thank you to the regional folks who fielded a number of calls about our response and the impact of the Japanese situation on our plants. Some things worked very well – the blog was a great way to get information out besides our standard press releases and NSIR released access to YouTube and Twitter by mid-day Sunday so we could do more monitoring of what information was "in the public domain."

Please take the time Monday morning to review all the press releases that went out and the blog posts as well. Please use these to guide any media responses you provide. While we know more than what these say, we're sticking to this story for now.

Stay tuned as the week unfolds. We anticipate staffing the Op Center on a 24-hour basis

at least through Wednesday. Neil will be helping us out in that regard, and we may need to ask for further regional assistance if we need to continue the full-court-press through next weekend.

The chairman has a hearing on the hill on Wednesday morning, which will occur a lot of my time and may be the place where we really push out our message.

We expect fall-out over this to continue for a time along the lines of:  
Can this happen in the U.S. and what is the NRC doing about it? This is a marathon not a 50-yard dash. While I am expecting us to need full staffing for a while and may ask that you put off non-essential time off, we also need to conserve our energy. So be sure to take time when you need it.

Thank you all for your help!

**From:** Hayden, Elizabeth  
**To:** Bubar, Patrice; Brenner, Eliot; Akstulewicz, Brenda  
**Cc:** Crawford, Carrie  
**Subject:** RE: Call from a Journalist from Chile  
**Date:** Monday, March 14, 2011 12:14:00 PM

---

Thanks, Patti

We will add this name to the list of reporters who have.

*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:** Bubar, Patrice  
**Sent:** Monday, March 14, 2011 11:48 AM  
**To:** Brenner, Eliot; Hayden, Elizabeth; Akstulewicz, Brenda  
**Cc:** Crawford, Carrie  
**Subject:** FW: Call from a Journalist from Chile

Please note the request we had from a journalist in Chile.

We have not returned the phone call.

Patty Bubar  
Chief of Staff  
Office of Commissioner William D. Magwood  
U.S. Nuclear Regulatory Commission  
301-415-1895

**From:** Crawford, Carrie  
**Sent:** Monday, March 14, 2011 11:16 AM  
**To:** Lisann, Elizabeth  
**Subject:** Call from a Journalist from Chile

I am passing on this message as a call for former Commissioner Lyons from Jose Duarte, a Chilean journalist, obviously inquiring into the present nuclear consequences as a result of the Japanese quake.

He can be reached at (b)(6) If you feel it should be passed on to Public Affairs, the number is 415-8200 for Brenda Akstulewicz, the Administrative Assistant.

Thanks,  
Carrie

HHH/94

**From:** McIntyre, David  
**To:** Hayden, Elizabeth; Akstulewicz, Brenda; Harrington, Holly  
**Cc:** Burnell, Scott; Couret, Ivonne  
**Subject:** RE: Call from a Journalist from Chile  
**Date:** Monday, March 14, 2011 12:08:39 PM

---

Not me.

**From:** Hayden, Elizabeth  
**Sent:** Monday, March 14, 2011 12:08 PM  
**To:** Akstulewicz, Brenda; Harrington, Holly  
**Cc:** Burnell, Scott; McIntyre, David; Couret, Ivonne  
**Subject:** FW: Call from a Journalist from Chile

Anyone get this call?

*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:** Bubar, Patrice  
**Sent:** Monday, March 14, 2011 11:48 AM  
**To:** Brenner, Eliot; Hayden, Elizabeth; Akstulewicz, Brenda  
**Cc:** Crawford, Carrie  
**Subject:** FW: Call from a Journalist from Chile

Please note the request we had from a journalist in Chile.

We have not returned the phone call.

Patty Bubar  
Chief of Staff  
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301-415-1895

**From:** Crawford, Carrie  
**Sent:** Monday, March 14, 2011 11:16 AM  
**To:** Lisann, Elizabeth  
**Subject:** Call from a Journalist from Chile

I am passing on this message as a call for former Commissioner Lyons from Jose Duarte, a Chilean journalist, obviously inquiring into the present nuclear consequences as a result of the Japanese quake.

He can be reached at (b)(6) If you feel it should be passed on to Public

HHH/ 95

Affairs, the number is 415-8200 for Brenda Akstulewicz, the Administrative Assistant.

Thanks,  
Carrie



**From:** Hayden, Elizabeth  
**To:** "Rosewag, Daniel"  
**Cc:** Burnell, Scott  
**Subject:** RE: STEM Fair Reminder, This Friday March 18th  
**Date:** Monday, March 14, 2011 12:14:00 PM

---

Thanks!

*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:** Rosewag, Daniel [mailto:DFROSEW@carrollk12.org]  
**Sent:** Monday, March 14, 2011 12:08 PM  
**To:** Hayden, Elizabeth  
**Subject:** RE: STEM Fair Reminder, This Friday March 18th

I checked and will be able to provide 2 easels that will be there waiting for you at you exhibit site when you arrive for the event. Thanks again, it should be a great experience for all,

Daniel Rosewag

**From:** Hayden, Elizabeth [mailto:Elizabeth.Hayden@nrc.gov]  
**Sent:** Sunday, March 13, 2011 11:28 PM  
**To:** Rosewag, Daniel  
**Cc:** Burnell, Scott  
**Subject:** RE: STEM Fair Reminder, This Friday March 18th

Daniel, I forgot to ask whether there are any easels available for behind the exhibit tables in the cafeteria for a couple of posters. If not, please let Scott Burnell know who will be filling in for me so he can bring 1 or 2 with him. Thanks.

Beth Hayden

**From:** Rosewag, Daniel [mailto:DFROSEW@carrollk12.org]  
**Sent:** Sunday, March 13, 2011 11:05 PM  
**To:** Ferrin, Charles; Eckles, William; aemartin@umd.edu; bcatterton@sha.state.md.us; (b)(6); dalton1@jhmi.edu; dathomas@towson.edu; David.Desrocher@jhupl.edu; dhunsicker@globecomm.com; dkelly@evapco.com; DMcLaughlin@umuc.edu; dominic.palumbo@ci.irs.gov; (b)(6); Hayden, Elizabeth; (b)(6); hinge.fagnant@ngc.com; (b)(6); isabel.tejero@fda.hhs.gov; janine.ketter@ngc.com; jeakins@uti.edu; jeffrey.ammann@ttb.gov; jessica.gray@ttb.gov; (b)(6); jordan.alpert@noaa.gov; jpotter@jhmi.edu; kglasser@umbc.edu; kingram@umd.edu; lee@mikesmusicmd.com; lferretto@HCM2.com; lisa.ditillo@knorrbrakecorp.com; lperfetta@lincolntech.com; marcianna.p.delaney@nasa.gov; (b)(6); mcrampton@sha.state.md.us; mdemoss@umd.edu; (b)(6); mkstapleton@towson.edu; mtartal@ec-san.com; (b)(6); rhonaker@lincolntech.com;

HHH/96

sarah\_brzezinski@partner.nps.gov; (b)(6) sethannah@msn.com;  
shartsock@mdsp.org; skim70@jhu.edu; slivinski@stsci.edu; sonal.deshpande@ngc.com;  
sryan@natgeotv.com; (b)(6) steve.smalley@ngc.com; su@jhu.edu;  
(b)(6)

**Subject:** STEM Fair Reminder, This Friday March 18th

This is just a friendly reminder that STEM Fair is this coming Friday, March 18th. I sent itinerary and logistics some weeks ago and all confirmed clarity and participation. Please let me know if you have any questions, concerns, or changes to make me aware of. Thanks again and i look forward to meeting all of you this coming Friday, it should be a very enjoyable event for all!!

Daniel Rosewag  
STEM Academy Leader  
Social Studies / Technology Education  
Century High School

**From:** Ledford, Joey  
**To:** Hayden, Elizabeth; Hannah, Roger  
**Cc:** Uselding, Lara  
**Subject:** RE: Assist R4  
**Date:** Monday, March 14, 2011 2:38:01 PM  
**Attachments:** image001.png

---

We are happy to help.

**Joey Ledford**  
**Public Affairs Officer**  
**Region II -- Atlanta, Ga.**

**O: 404.997.4416**

**C:** (b)(6)

joey.ledford@nrc.gov



**From:** Hayden, Elizabeth  
**Sent:** Monday, March 14, 2011 2:07 PM  
**To:** Hannah, Roger; Ledford, Joey  
**Cc:** Uselding, Lara  
**Subject:** Assist R4

Roger, Joey,

Can you please help support Lara if she needs help with reporter questions this week? Victor is out having surgery and Lara needs to cover a proceeding tomorrow so will be out of the office (but available on BB).

*Beth*

HHH/92

**From:** Uselding, Lara  
**To:** Hannah, Roger; Hayden, Elizabeth; Ledford, Joey  
**Subject:** Re: Assist R4  
**Date:** Monday, March 14, 2011 2:35:28 PM  
**Attachments:** image001.png

---

Thanks- maybe just while I'm in the air tomorrow at 2pm central. I'm getting lots of calls and return time to call back is reaching half hour or more right now  
Lara Uselding  
NRC Region 4 Public Affairs  
817-917-0321

**From:** Hannah, Roger  
**To:** Hayden, Elizabeth; Ledford, Joey  
**Cc:** Uselding, Lara  
**Sent:** Mon Mar 14 14:32:22 2011  
**Subject:** RE: Assist R4

We're both in the office tomorrow and available, so feel free to refer calls to us...

**Roger Hannah, APR**

*Senior Public Affairs Officer  
Region II -- Atlanta, Ga.  
Office - 404-997-4417  
Cell (b)(6)  
[roger.hannah@nrc.gov](mailto:roger.hannah@nrc.gov)*



**From:** Hayden, Elizabeth  
**Sent:** Monday, March 14, 2011 2:07 PM  
**To:** Hannah, Roger; Ledford, Joey  
**Cc:** Uselding, Lara  
**Subject:** Assist R4

Roger, Joey,

Can you please help support Lara if she needs help with reporter questions this week? Victor is out having surgery and Lara needs to cover a proceeding tomorrow so will be out of the office (but available on BB).

*Beth*

**From:** Harrington, Holly  
**To:** Harrington, Holly; Burnell, Scott; Uselding, Lara; Brenner, Eliot; Hayden, Elizabeth; Akstulewicz, Brenda  
**Cc:** McIntyre, David; Taylor, Robert  
**Subject:** RE: Would be helpful to get talkers from Jazcko WH briefing  
**Date:** Monday, March 14, 2011 2:48:11 PM  
**Attachments:** QUAKE talkMARCH14.docx

---

attached

**From:** Harrington, Holly  
**Sent:** Monday, March 14, 2011 2:47 PM  
**To:** Burnell, Scott; Uselding, Lara; Brenner, Eliot; Hayden, Elizabeth; Akstulewicz, Brenda  
**Cc:** McIntyre, David; Taylor, Robert  
**Subject:** RE: Would be helpful to get talkers from Jazcko WH briefing

Eliot and Scott – please review these. They are updated with info from the other releases and something from the chairman's comments this morning.

**From:** Burnell, Scott  
**Sent:** Monday, March 14, 2011 2:12 PM  
**To:** Uselding, Lara; Harrington, Holly; Brenner, Eliot; Hayden, Elizabeth; Akstulewicz, Brenda  
**Cc:** McIntyre, David  
**Subject:** RE: Would be helpful to get talkers from Jazcko WH briefing

The latest I can produce after a quick search – Holly, sorry for the delay.

**From:** Uselding, Lara  
**Sent:** Monday, March 14, 2011 2:09 PM  
**To:** Harrington, Holly; Brenner, Eliot; Hayden, Elizabeth; Akstulewicz, Brenda  
**Cc:** Burnell, Scott; McIntyre, David  
**Subject:** Re: Would be helpful to get talkers from Jazcko WH briefing

In meantime can I see the q and a from the weekend? It was shared w irc here but I don't have it  
Lara Uselding  
NRC Region 4 Public Affairs  
817-917-0321

**From:** Harrington, Holly  
**To:** Uselding, Lara; Brenner, Eliot; Hayden, Elizabeth; Akstulewicz, Brenda  
**Cc:** Burnell, Scott; McIntyre, David  
**Sent:** Mon Mar 14 13:57:26 2011  
**Subject:** RE: Would be helpful to get talkers from Jazcko WH briefing

Conference call will be at 3 p.m to discuss marching orders from eliot

**From:** Uselding, Lara  
**Sent:** Monday, March 14, 2011 1:57 PM  
**To:** Brenner, Eliot; Hayden, Elizabeth; Akstulewicz, Brenda; Harrington, Holly  
**Cc:** Burnell, Scott; McIntyre, David  
**Subject:** Would be helpful to get talkers from Jazcko WH briefing  
**Importance:** High

HHH/98

Just heard Jazcko was on FOX and fielding Qs from reporters .Can we get the Q and A or talkers he's working from? Would be helpful!

Lara Uselding  
U.S. Nuclear Regulatory Commission (NRC)  
Public Affairs - Region IV

Lara.Uselding@nrc.gov

BlackBerry: (b)(6)

Office: 817-276-6519

For more information visit [www.nrc.gov](http://www.nrc.gov)

**From:** McIntyre, David  
**To:** Hayden, Elizabeth  
**Subject:** FW: your phone call -  
**Date:** Monday, March 14, 2011 2:30:04 PM

---

FYI, from a colleague.

**From:** Campbell, Larry  
**Sent:** Monday, March 14, 2011 2:29 PM  
**To:** McIntyre, David  
**Subject:** RE: your phone call -

Not a big concern - Long story short. I went to the public website over the weekend, from home on my computer, got curious who was in the control room, enlarged the picture, was able to read signatures on some of the documents persons were holding.. Just a caution, someone else probably can do much better than me and may be able to read the document - - call 492-3295 if you have any questions. Cheers, Larry

**From:** McIntyre, David  
**Sent:** Monday, March 14, 2011 2:11 PM  
**To:** Campbell, Larry  
**Subject:** your phone call -

Larry - I'm not ignoring you - we're rather swamped over here. What's up?

---

David McIntyre  
Public Affairs Officer  
U.S. Nuclear Regulatory Commission  
(301) 415-8206 (direct)  
(b)(6) (mobile)  
*Protecting People & the Environment*

HHH/99

**From:** Chandrathil, Prema  
**To:** Steger (Tucci), Christine; Hayden, Elizabeth; Harrington, Holly; Burnell, Scott; McIntyre, David; Couret, Ivonne; Janbergs, Holly; Shannon, Valerie; Akstulewicz, Brenda; Screnci, Diane; Sheehan, Neil; Hannah, Roger; Ledford, Joey; Mitlyng, Viktoria; Dricks, Victor; Uselding, Lara  
**Subject:** RE: OPA Conference Call Today at 3:00pm  
**Date:** Monday, March 14, 2011 2:50:22 PM

---

This is 3 pm eastern..right?

**From:** Steger (Tucci), Christine  
**Sent:** Monday, March 14, 2011 1:30 PM  
**To:** Hayden, Elizabeth; Harrington, Holly; Burnell, Scott; McIntyre, David; Couret, Ivonne; Janbergs, Holly; Shannon, Valerie; Akstulewicz, Brenda; Screnci, Diane; Sheehan, Neil; Hannah, Roger; Ledford, Joey; Mitlyng, Viktoria; Chandrathil, Prema; Dricks, Victor; Uselding, Lara  
**Subject:** OPA Conference Call Today at 3:00pm

OPA Conference Call today - Monday, March 14, 2011

Time: 3:00 p.m.

Bridgeline:  
1-888-843-6162

Passcode:

(b)(6)

HHH/100



**From:** Hayden, Elizabeth  
**To:** Couret, Ivonne; McIntyre, David; Burnell, Scott  
**Cc:** Taylor, Robert; Couret, Ivonne  
**Subject:** 2 more questions  
**Date:** Monday, March 14, 2011 2:23:00 PM

---

- 1) Inside Edition, Cheryl Mamothé, (b)(6) wants to know about radioactive cloud/plumes behavior.
- 2) Brian Sullivan, Bloomberg, (b)(6) plume dispersion questions.

*Beth*

H HX/101

**From:** Hayden, Elizabeth  
**To:** Burnell, Scott; Uselding, Lara; Harrington, Holly; Brenner, Eliot; Akstulewicz, Brenda  
**Cc:** McIntyre, David; Droggitis, Spiros  
**Subject:** RE: Would be helpful to get talkers from Jazcko WH briefing  
**Date:** Monday, March 14, 2011 2:13:00 PM

---

Transcript available of the WH press conference in an hour or two.

*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:** Burnell, Scott  
**Sent:** Monday, March 14, 2011 2:12 PM  
**To:** Uselding, Lara; Harrington, Holly; Brenner, Eliot; Hayden, Elizabeth; Akstulewicz, Brenda  
**Cc:** McIntyre, David  
**Subject:** RE: Would be helpful to get talkers from Jazcko WH briefing

The latest I can produce after a quick search – Holly, sorry for the delay.

**From:** Uselding, Lara  
**Sent:** Monday, March 14, 2011 2:09 PM  
**To:** Harrington, Holly; Brenner, Eliot; Hayden, Elizabeth; Akstulewicz, Brenda  
**Cc:** Burnell, Scott; McIntyre, David  
**Subject:** Re: Would be helpful to get talkers from Jazcko WH briefing

In meantime can I see the q and a from the weekend? It was shared w irc here but I don't have it  
Lara Uselding  
NRC Region 4 Public Affairs  
817-917-0321

**From:** Harrington, Holly  
**To:** Uselding, Lara; Brenner, Eliot; Hayden, Elizabeth; Akstulewicz, Brenda  
**Cc:** Burnell, Scott; McIntyre, David  
**Sent:** Mon Mar 14 13:57:26 2011  
**Subject:** RE: Would be helpful to get talkers from Jazcko WH briefing

Conference call will be at 3 p.m to discuss marching orders from eliot

**From:** Uselding, Lara  
**Sent:** Monday, March 14, 2011 1:57 PM  
**To:** Brenner, Eliot; Hayden, Elizabeth; Akstulewicz, Brenda; Harrington, Holly  
**Cc:** Burnell, Scott; McIntyre, David  
**Subject:** Would be helpful to get talkers from Jazcko WH briefing  
**Importance:** High

Just heard Jazcko was on FOX and fielding Qs from reporters .Can we get the Q and A or

HHH/102

talkers he's working from? Would be helpful!

Lara Uselding  
U.S. Nuclear Regulatory Commission (NRC)  
Public Affairs - Region IV

Lara.Uselding@nrc.gov

BlackBerry (b)(6)

Office: 817-276-6519

For more information visit [www.nrc.gov](http://www.nrc.gov)

**From:** Hayden, Elizabeth  
**To:** Hannah, Roger; Ledford, Joey  
**Cc:** Uselding, Lara  
**Subject:** Assist R4  
**Date:** Monday, March 14, 2011 2:07:00 PM

---

Roger, Joey,

Can you please help support Lara if she needs help with reporter questions this week?

Victor is out (b)(6) and Lara needs to cover a proceeding tomorrow so will be out of the office (but available on BB).

*Beth*

HHH/103

**From:** Hayden, Elizabeth  
**To:** McIntyre, David  
**Subject:** FW: KI as key topic?  
**Date:** Monday, March 14, 2011 2:01:00 PM

---

Done

*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:** WebWork Resource  
**Sent:** Monday, March 14, 2011 1:52 PM  
**To:** WebContractor Resource; Hayden, Elizabeth  
**Cc:** Couret, Ivonne; McIntyre, David; WebWork Resource  
**Subject:** RE: KI as key topic?

Michael

Go ahead and post live. I believe Beth wants this out as soon as possible.

Thanks  
Sally

**From:** WebContractor Resource  
**Sent:** Monday, March 14, 2011 1:28 PM  
**To:** Hayden, Elizabeth; Hardy, Sally  
**Cc:** Couret, Ivonne; McIntyre, David; WebWork Resource  
**Subject:** RE: KI as key topic?

Good Afternoon Beth,

Please review and approve for live posting.

<http://webwork.nrc.gov:300/>  
<http://webwork.nrc.gov:300/past-key-topics.html>  
<http://webwork.nrc.gov:300/about-nrc/emerg-preparedness/about-emerg-preparedness/potassium-iodide.html#related>

Thank you,  
Michael

**From:** Hayden, Elizabeth  
**Sent:** Monday, March 14, 2011 1:04 PM  
**To:** Hardy, Sally; WebWork Resource; WebContractor Resource  
**Cc:** Couret, Ivonne; McIntyre, David

HHH/104

**Subject:** FW: KI as key topic?

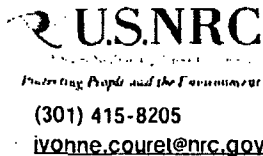
Please reactivate the Previous Key Topic "Potassium Iodide..." and put the Source Tracking KT in the archive. Also, on the this page: <http://www.nrc.gov/about-nrc/emerg-preparedness/about-emerg-preparedness/potassium-iodide.html> there should be a link added at the bottom under "Related Information" that goes to the Fact Sheet at <http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/fs-emerg-plan-prep-nuc-power.html>.

*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](mailto:elizabeth.hayden@nrc.gov)

**From:** Couret, Ivonne  
**Sent:** Monday, March 14, 2011 12:43 PM  
**To:** McIntyre, David; Hayden, Elizabeth  
**Subject:** RE: KI as key topic?

Beth do you want me to work on this with OIS or someone else...please advise. Ivonne

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs



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.

**From:** McIntyre, David  
**Sent:** Monday, March 14, 2011 12:40 PM  
**To:** Hayden, Elizabeth  
**Cc:** Couret, Ivonne; Burnell, Scott; Uselding, Lara; Dricks, Victor; Screnci, Diane; Sheehan, Neil; Ledford, Joey; Hannah, Roger; Mitlyng, Viktoria; Chandrathil, Prema  
**Subject:** KI as key topic?

Beth – as we are getting an increasing number of questions on KI, perhaps we can make it a Key Topic and link to this page, so it's just one click from the Homepage?

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

---

**David McIntyre**  
**Public Affairs Officer**  
**U.S. Nuclear Regulatory Commission**  
**(301) 415-8206 (direct)**  
**(b)(6) (mobile)**  
***Protecting People & the Environment***

**From:** Kammerer, Annie  
**To:** Hayden, Elizabeth  
**Cc:** Burnell, Scott; Munson, Clifford; Ake, Jon  
**Subject:** RE: EXAMPLE OF REQUEST: Earthquake plans/reports/risk analysis for San Onofre nuclear power plant  
**Date:** Monday, March 14, 2011 1:47:05 PM

---

Just to let you know. I am about to get tied up for about an hour (b)(6)

(b)(6)

Cliff Munson and Jon Ake will be supporting as well during this time.

Annie

**From:** Hayden, Elizabeth  
**Sent:** Monday, March 14, 2011 1:18 PM  
**To:** Kammerer, Annie  
**Cc:** Burnell, Scott  
**Subject:** FW: EXAMPLE OF REQUEST: Earthquake plans/reports/risk analysis for San Onofre nuclear power plant

Annie,

Can you help with this question we received from a reporter?

Also, can you verify whether Wolf Creek is one of the plants evaluated in GSI-199?

*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:** Uselding, Lara  
**Sent:** Monday, March 14, 2011 1:10 PM  
**To:** Hayden, Elizabeth; Screnci, Diane  
**Subject:** EXAMPLE OF REQUEST: Earthquake plans/reports/risk analysis for San Onofre nuclear power plant

**From:** keith.darce@uniontrib.com [mailto:keith.darce@uniontrib.com]  
**Sent:** Monday, March 14, 2011 12:08 PM  
**To:** Uselding, Lara  
**Subject:** Earthquake plans/reports/risk analysis for San Onofre nuclear power plant

Lara,

I am trying to track down any documents on file with the NRC concerning the risk of earthquakes occurring near the San Onofre nuclear plant north of San Diego. I am particularly interested in emergency plans, analysis of the risks faced by the plant from earthquakes and predictions of the types of damage and dangers that could be created by earthquake damage to the plant. I'm also interested in documents looking at the risk and dangers posed by tsunamis to the plant.

HHH/105



Can you tell me if these types of documents exist and when I might be able to get them? I am trying to turn a story around on this topic for tomorrow's (Tuesday's) edition of the paper.

Thanks,

Keith

**Keith Darcé**

Biotechnology writer

*The San Diego Union-Tribune*

keith.darce@uniontrib.com

619.293.1020

[www.signonsandiego.com/news/business/biotech/](http://www.signonsandiego.com/news/business/biotech/)

*Follow me on Twitter at KeithDarce*

**From:** Harrington, Holly  
**To:** Chandrathil, Prema; Steger (Tucci), Christine; Hayden, Elizabeth; Burnell, Scott; McIntyre, David; Couret, Ivonne; Janbergs, Holly; Shannon, Valerie; Akstulewicz, Brenda; Screnci, Diane; Sheehan, Neil; Hannah, Roger; Ledford, Joey; Mitlyng, Viktoria; Dricks, Victor; Uselding, Lara  
**Subject:** RE: OPA Conference Call Today at 3:00pm  
**Date:** Monday, March 14, 2011 2:51:03 PM

---

yes

**From:** Chandrathil, Prema  
**Sent:** Monday, March 14, 2011 2:50 PM  
**To:** Steger (Tucci), Christine; Hayden, Elizabeth; Harrington, Holly; Burnell, Scott; McIntyre, David; Couret, Ivonne; Janbergs, Holly; Shannon, Valerie; Akstulewicz, Brenda; Screnci, Diane; Sheehan, Neil; Hannah, Roger; Ledford, Joey; Mitlyng, Viktoria; Dricks, Victor; Uselding, Lara  
**Subject:** RE: OPA Conference Call Today at 3:00pm

This is 3 pm eastern..right?

**From:** Steger (Tucci), Christine  
**Sent:** Monday, March 14, 2011 1:30 PM  
**To:** Hayden, Elizabeth; Harrington, Holly; Burnell, Scott; McIntyre, David; Couret, Ivonne; Janbergs, Holly; Shannon, Valerie; Akstulewicz, Brenda; Screnci, Diane; Sheehan, Neil; Hannah, Roger; Ledford, Joey; Mitlyng, Viktoria; Chandrathil, Prema; Dricks, Victor; Uselding, Lara  
**Subject:** OPA Conference Call Today at 3:00pm

OPA Conference Call today - Monday, March 14, 2011

Time: 3:00 p.m.

Bridgeline:  
1-888-843-6162

Passcode:

(b)(6)

1777/106

**From:** McIntyre, David  
**To:** Chandrathil, Prema; Steger (Tucci), Christine; Hayden, Elizabeth; Harrington, Holly; Burnell, Scott; Couret, Ivonne; Janbergs, Holly; Shannon, Valerie; Akstulewicz, Brenda; Screnci, Diane; Sheehan, Neil; Hannah, Roger; Ledford, Joey; Mitlyng, Viktoria; Dricks, Victor; Uselding, Lara  
**Subject:** RE: OPA Conference Call Today at 3:00pm  
**Date:** Monday, March 14, 2011 2:50:50 PM

---

No, we're doing it waves, 'cause it's just sooo much fun.

**From:** Chandrathil, Prema  
**Sent:** Monday, March 14, 2011 2:50 PM  
**To:** Steger (Tucci), Christine; Hayden, Elizabeth; Harrington, Holly; Burnell, Scott; McIntyre, David; Couret, Ivonne; Janbergs, Holly; Shannon, Valerie; Akstulewicz, Brenda; Screnci, Diane; Sheehan, Neil; Hannah, Roger; Ledford, Joey; Mitlyng, Viktoria; Dricks, Victor; Uselding, Lara  
**Subject:** RE: OPA Conference Call Today at 3:00pm

This is 3 pm eastern..right?

**From:** Steger (Tucci), Christine  
**Sent:** Monday, March 14, 2011 1:30 PM  
**To:** Hayden, Elizabeth; Harrington, Holly; Burnell, Scott; McIntyre, David; Couret, Ivonne; Janbergs, Holly; Shannon, Valerie; Akstulewicz, Brenda; Screnci, Diane; Sheehan, Neil; Hannah, Roger; Ledford, Joey; Mitlyng, Viktoria; Chandrathil, Prema; Dricks, Victor; Uselding, Lara  
**Subject:** OPA Conference Call Today at 3:00pm

OPA Conference Call today - Monday, March 14, 2011

Time: 3:00 p.m.

Bridgeline:  
1-888-843-6162

Passcode:

(b)(6)

HHH/107

**From:** Harrington, Holly  
**To:** LIA04 Hoc; Burnell, Scott; Hayden, Elizabeth  
**Subject:** RE: revised Q&A  
**Date:** Monday, March 14, 2011 4:22:06 PM

---

We recently revised/updated the talking points. They are posted on Webeoc.

**From:** LIA04 Hoc  
**Sent:** Monday, March 14, 2011 4:10 PM  
**To:** Burnell, Scott; Harrington, Holly; Hayden, Elizabeth  
**Subject:** FW: revised Q&A

I have not heard about a new Q&A... you?

Amanda Noonan  
State Liaison – Liaison Team  
Incident Response Center

**From:** Tifft, Doug  
**Sent:** Monday, March 14, 2011 4:00 PM  
**To:** LIA04 Hoc  
**Cc:** McNamara, Nancy  
**Subject:** revised Q&A

I heard there was a revised Q&A that was in the process of being approved by the chairman. Do you know if that's ready yet, or when you expect it to be approved?

Thanks,  
-Doug

*Doug Tifft*  
Regional State Liaison Officer  
Office: 610-337-6918  
Cell: (b)(6)

HHH/108

**From:** Hayden, Elizabeth  
**To:** Brenner, Eliot; Harrington, Holly  
**Cc:** Burnell, Scott; McIntyre, David  
**Subject:** FW: Jeanne Meserve phone number  
**Date:** Monday, March 14, 2011 2:20:00 PM

---

*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 1:25 PM  
**To:** Hayden, Elizabeth  
**Subject:** RE: Jeanne Meserve from CNN

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.

(b)(6)

Beth Janbergs

HHH/109

Public Affairs Assistant  
301-415-8211

**From:** LIA04 Hoc  
**To:** McNamara, Nancy; Tift, Doug; Trojanowski, Robert; Woodruff, Gena; Barker, Allan; Logaras, Haral; Maier, Bill; Browder, Rachel; Turti, Richard; Virgilio, Rosetta  
**Cc:** Hayden, Elizabeth; Harrington, Holly; Burnell, Scott; Thaggard, Mark  
**Subject:** RE: Emailing: State Q&A Rev 1.pdf for Distribution to SLOs  
**Date:** Monday, March 14, 2011 12:18:23 PM  
**Attachments:** State Q&A Rev 1.pdf

---

Question from the Liaison Team. Was the attachment distributed to the Individual SLO's or did it only go as far and the RSLO's and are the questions about the individual reactors coming in after they have seen this?

Amanda Noonan  
State Liaison – Liaison Team  
Incident Response Center

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

From: LIA04 Hoc  
Sent: Sunday, March 13, 2011 3:38 AM  
To: McNamara, Nancy; Tift, Doug; Trojanowski, Robert; Woodruff, Gena; Barker, Allan; Logaras, Haral; Maier, Bill; Browder, Rachel; Turti, Richard  
Cc: Hayden, Elizabeth; Harrington, Holly; Burnell, Scott; Thaggard, Mark; Blount, Tom; LIA06 Hoc; LIA04 Hoc; LIA02 Hoc; LIA03 Hoc; LIA12 Hoc; LIA11 Hoc; LIA01 Hoc; LIA10 Hoc  
Subject: FW: Emailing: State Q&A Rev 1.pdf for Distribution to SLOs

RSLOs - The information attached has been vetted with OPA and the NRC Executive Team and has been approved for dissemination to the Governor-appointed State Liaison Officers.

Rich Turti will be reporting to the Ops Center @ 7:00 am Sunday 3/13 and will be your POC.

Thank you for your assistance today.

Rosetta

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

From: LIA09 Hoc  
Sent: Sunday, March 13, 2011 3:28 AM  
To: LIA04 Hoc  
Subject: Emailing: State Q&A Rev 1.pdf

The message is ready to be sent with the following file or link attachments:

State Q&A Rev 1.pdf

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

HHH/110

Date: 3/13/2011

Time: 1:55am

**State Q&A's:**

**Q.** What is the radiological consequence of the event in Japan for the U.S.?

**A.** At this time, there is no indication that materials from the incidents in Japan have the potential to have any significant radiological effect on the U.S.

**Q.** Are there any protective measures that residents in the U.S. should be considering?

**A.** No, not given current information.

**Q.** What is the Federal family, i.e., NRC-EPA-DOE, doing to monitor the radiological consequence of the event in Japan on the United States?

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

U.S. nuclear power plants have sensitive equipment to monitor the status of radiological conditions. Additionally, personnel at nuclear power plants have specific knowledge in radiological field monitoring techniques and could assist State and Federal personnel in environmental sampling activities, should that be necessary to evaluate public health and safety concerns.

EPA has permanent stationary radiological monitoring stations on the West coast. In the event of a confirmed radiological release with a potential to impact the U.S., EPA is the Federal agency responsible for radiological monitoring. DOE would be responsible for aerial monitoring, should there be a confirmed radiological release.

**Non-Public Info For States Only:** Questions about any radiological impact on the U.S. West coast is Adora Andy, the Deputy Associate Administrator for EPA's Office of External Affairs:

cell is (b)(6) email [andy.adora@epa.gov](mailto:andy.adora@epa.gov)

**Key Messages:**

The NRC is coordinating its actions with other Federal agencies as part of the U.S. government response. 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 officials in Rockville, MD have spoken with the agency's counterpart in Japan and offered the assistance of U.S. technical experts. Two officials from 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. USAID is the federal government agency primarily responsible for providing assistance to countries recovering from disaster administering.

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 estimated for the site and surrounding area.



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

For background information on generic operations at a boiling-water reactor, including an animated graphic, visit the NRC's website at [www.nrc.gov](http://www.nrc.gov)

**Other sources of information:**

USAID -- [www.usaid.gov](http://www.usaid.gov)

U.S. Dept. of State -- [www.state.gov](http://www.state.gov)

FEMA -- [www.fema.gov](http://www.fema.gov)

White House -- [www.whitehouse.gov](http://www.whitehouse.gov)

Nuclear Energy Institute -- [www.nei.org](http://www.nei.org)

International Atomic Energy Agency -- [www.iaea.org/press](http://www.iaea.org/press)

**From:** Burnell, Scott  
**To:** Hayden, Elizabeth; Taylor, Robert  
**Cc:** Harrington, Holly  
**Subject:** RE: Talking Points  
**Date:** Monday, March 14, 2011 12:05:22 PM

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NEI – 202-739-8023 [media@nei.org](mailto:media@nei.org)

DOE – 202-586-4948

ANS – Laura Steele (b)(6) Craig Piercy (b)(6) (??) ans.org

**From:** Hayden, Elizabeth  
**Sent:** Monday, March 14, 2011 12:02 PM  
**To:** Burnell, Scott; Taylor, Robert  
**Cc:** Harrington, Holly  
**Subject:** Talking Points

Can one of you update the Talking Points on WEB EOC with the latest press release and blog information? We would like to provide an update to all of OPA.

Also, there is a list of phone numbers for ANS, DOE, NEI on a yellow sticky that I left on the desk there to the left of the computer, could you send me that information so that I can send reporters there.

*Beth*

HHH/111

**From:** Brenner, Eliot  
**To:** Carpenter, Gene; Burnell, Scott; Hayden, Elizabeth  
**Cc:** Case, Michael; Gavrilas, Mirela  
**Subject:** RE: Invitation to speak at CSPO - Monday, March 21, 6PM  
**Date:** Monday, March 14, 2011 3:35:45 PM

---

Don't think we should be participating at this early stage. Certainly not delivering a 45 minute lecture on an unfolding situation.

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

**From:** Carpenter, Gene  
**Sent:** Monday, March 14, 2011 3:34 PM  
**To:** Burnell, Scott; Brenner, Eliot; Hayden, Elizabeth  
**Cc:** Case, Michael; Gavrilas, Mirela  
**Subject:** FW: Invitation to speak at CSPO - Monday, March 21, 6PM

FYI

I'm on (b)(6) Would the NRC like to Support Mahmud?  
Gene

---

**From:** Mahmud Farooque [Mahmud.Farooque@asu.edu]  
**Sent:** Monday, March 14, 2011 12:10 PM  
**To:** Carpenter, Gene  
**Subject:** Invitation to speak at CSPO - Monday, March 21, 6PM

Hello Gene,

Hope you are doing well. This request comes with an apology for the extremely short notice. I had a last minute cancellation and I am scrambling to find a speaker for our seminar series scheduled for Monday, March 21st at 6PM. Treating the setback as an opportunity to change the topic, I am writing to explore if you or anyone from NRC would be interested in talking about nuclear safety, regulation, proliferation or S&T policy issues in the U.S. in light of the unfolding crisis in Japan.

These seminars are designed to offer CSPO's students, postdocs and faculty located in Arizona an opportunity to learn about a contemporary policy issue directly from an expert in the nation's capitol. We use our video conferencing facility in our Washington DC office to bring the seminar to CSPO's Tempe community. The talk is about 45 minutes with 15 minutes of discussion and Q&A. In addition to Tempe, we expect a small audience in our DC office as well.

Kindly let me know so we can proceed with our planning and publicity with the little time we have in hand. Thanks for your time and consideration.

I do apologize for the short lead time.

Best Wishes,  
Mahmud

-----  
Mahmud Farooque, Ph.D.  
Associate Director, DC Office  
Consortium for Science, Policy, & Outcomes (CSPO)  
Arizona State University, DC Center  
1834 Connecticut Ave, NW  
Washington, DC 20009  
off-campus: (202) 446-0397

HHH/W2

on-campus: x 20397  
mahmud.farooque@asu.edu

**From:** Hannah, Roger  
**To:** Brenner, Eliot; Hayden, Elizabeth; Harrington, Holly  
**Cc:** Ledford, Joey  
**Subject:** FW: Admin Suggestions for Public Website  
**Date:** Monday, March 14, 2011 12:05:23 PM  
**Attachments:** image001.png

---

FYI--

**Roger Hannah, APR**

*Senior Public Affairs Officer  
Region II -- Atlanta, Ga.  
Office - 404-997-4417  
Cell - 404-520-4394  
[roger.hannah@nrc.gov](mailto:roger.hannah@nrc.gov)*



**From:** Foster, Jennifer  
**Sent:** Monday, March 14, 2011 11:57 AM  
**To:** Ledford, Joey; Hannah, Roger  
**Subject:** Admin Suggestions for Public Website

Roger, Joey,

You two must be swamped. If I can help in anyway, let me know.

I have the following administrative suggestions for the NRC Public Website in this crucial time. Please forward if you think the suggestions are appropriate.

- 1) Front page of NRC public website really needs a caption title above the picture.  
Suggestion: NRC Operations Center Assesses Situation in Japan
- 2) Below the News Release section, include the title "Updates Maintained by Nuclear Energy Institute."  
Include a link directly to the NEI page.  
Although this link was referenced in a past press release, I think it should be placed on the front page for easier accessibility of the public as I found it to be the most informative. The IAEA server was down earlier (too many people accessing the website).

Jennifer Foster  
Division of Fuel Facility Inspection  
Nuclear Regulatory Commission

HHH/113

RH Office Phone: 101.997-4739

Home Office Phone: (b)(6)

Home Office Mailing Address:

(b)(6)

Hours: 7:30 -4:15 (EST)

**From:** Marksberry, Don  
**To:** Stutzke, Martin; Siv, Nathan  
**Cc:** Demoss, Gary; Coyne, Kevin; Tinkler, Charles  
**Subject:** FW: IRC Staffing  
**Date:** Tuesday, March 15, 2011 8:18:32 PM

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**From:** Coyne, Kevin  
**Sent:** Tuesday, March 15, 2011 7:48 PM  
**To:** Marksberry, Don; Beasley, Benjamin; Peters, Sean; Ott, William; Salley, MarkHenry; Kuritzky, Alan  
**Cc:** Ibarra, Jose; Coe, Doug; Correia, Richard  
**Subject:** Fw: IRC Staffing

BC's -

Please see below request from Brian and note that IRC experience/tmg is not needed. Please identify folks that could support the irc effort and provide their names, availability, and shift preferences to Jose by 11 am Wednesday morning. We are looking for systems analysis, severe accidents, radiological dose assessment experience.

Also, we'll need to provide a standby list for folks willing to go to Japan - very strong technical skills and good communications ability are a must.

Thanks!

Kevin

Sent from an NRC Blackberry  
Kevin Coyne

(b)(6)

**From:** Sheron, Brian  
**To:** Coyne, Kevin; Case, Michael; Coe, Doug; Correia, Richard; Gibson, Kathy; Lui, Christiana; Richards, Stuart; Sangimino, Donna-Marie; Scott, Michael; Uhle, Jennifer; Valentin, Andrea  
**Cc:** Dion, Jeanne  
**Sent:** Tue Mar 15 17:27:11 2011  
**Subject:** IRC Staffing

I participated on a conference call with other ODs and led by Michele Evans, acting deputy OD in NSIR at 4 pm today.

The purpose of the conference call was to discuss staffing for the IRC for the near future. The IRC is currently staffed with members of the Reactor safety team, the Protective Measures team, Liaison Team, etc. There is also an ET member there. None of the teams are at their full compliment. What Michele is looking for is people that can staff the IRC and relieve the staff that are currently there. She said they are currently running 3 shifts (11pm-7am, 7am - 3pm, and 3pm to 11 pm). They would like to find staff that can work shifts for 4 days in a row (I think she wants 4 days on, 3 days off). She said the staff do not have to have had IRC training.

Several of us said we would certainly canvas our staff to see who was qualified to work in

HHH/114

the IRC and could work there, but we needed to know what technical disciplines they were looking for. Michele did not have a list of needed disciplines, but said she would generate one and send it out. As of 5:15 pm I have not received a list yet.

However, I am assuming they will be looking for staff with expertise in such areas as systems analysis, severe accidents, radiological dose assessment, etc. In anticipation that these are the technical disciplines of interest, can you please start identifying your staff that you believe have some of the requisite skills needed for the IRC, and start asking if they would be available to work shifts in the IRC if asked to. HR said they would be eligible for normal overtime compensation.

Also, they will be looking for staff to go to Japan and relieve the technical staff that recently went there. There were 2 BWR experts that left over the weekend, and a team of 9 more (6 engineers and 3 OIP staff) left yesterday. The thinking is that the staff that recently went over would come back in 2 weeks, which is when they want to send a replacement team over there. So please check to see if you have any staff with the proper technical credentials, are reasonably good communicators, and would be willing to spend about 2 weeks in Japan as part of the team there.

I will forward the list of desired disciplines as soon as I receive them from Michele. Michele said she will be looking for the list of potential IRC replacements by COB tomorrow (3/16/11), thus, I will need your candidates by mid-afternoon.

For the team that will replace the one that was just sent to Japan, she said she would like us to update the list we previously sent by COB 3/17.



**From:** LIA07 Hoc  
**To:** Andersen, James; Anderson, Joseph; Ash, Darren; Baggett, Steven; Barker, Allan; Batkin, Joshua; Boger, Bruce; Borchardt, Bill; Bradford, Anna; Brenner, Eliot; Smith, Brooke; Brown, Milton; Bubar, Patrice; Camper, Larry; Carpenter, Cynthia; Castleman, Patrick; Ader, Charles; Casto, Chuck; Coggins, Angela; Collins, Elmo; Correia, Richard; Dapas, Marc; Dean, Bill; Decker, David; Dickman-Disabled-11/14/2010, Paul; Dorman, Dan; Drongitis, Spiros; Dyer, Jim; ET02 Hoc; Evans, Michele; Franovich, Mike; Apostolakis, George; Gibbs, Catina; Gitter, Joseph; Gott, William; Grobe, Jack; Hahn, Matthew; Haney, Catherine; Harrington, Holly; Hipschman, Thomas; Holahan, Gary; Holahan, Patricia; HQO Hoc; Howell, Art; Howell, Linda; Foster, Jack; Jackson, Donald; Jaczko, Gregory; Johnson, Andrea; Johnson, Michael; Kahler, Robert; Foggie, Kirk; Kock, Andrea; Kozal, Jason; Leeds, Eric; LIA01 Hoc; LIA02 Hoc; LIA03 Hoc; LIA06 Hoc; LIA08 Hoc; LIA11 Hoc; Logaras, Haral; Loyd, Susan; Magwood, William; Maier, Bill; Marshall, Jane; Marshall, Michael; McCree, Victor; McDermott, Brian; McNamara, Nancy; Miller, Charles; Miller, Chris; Monninger, John; Morris, Scott; Nieh, Ho; NSIR, DDSP, ILTAB Distribution; Ordaz, Vonna; Orders, William; OST05 Hoc; Ostendorff, William; Pace, Patti; Pearson, Laura; Pederson, Cynthia; Plisco, Loren; Powell, Amy; R1 IRC; R2 IRC; R3 IRC; R4 IRC; Reddick, Daran; Reyes, Luis; Devercelly, Richard; ROO hoc; Satorius, Mark; Schmidt, Rebecca; Sharkey, Jeffry; Sheron, Brian; Snodderly, Michael; Sosa, Belkys; Speiser, Herald; Svinicki, Kristine; Thoma, John; Tift, Doug; Kolb, Timothy; Ulises, Anthony; Nakanishi, Tony; Tracy, Glenn; Trapp, Trapp, James; Trojanowski, Robert; Uhle, Jennifer; Virgilio, Martin; Warnick, Greg; Warren, Roberta; Weber, Michael; Westreich, Barry; Wiggins, Jim; Cook, William; Williams, Kevin; Wittick, Brian; Woodruff, Gena; Zimmerman, Roy; Zorn, Jason; Casto, Chuck; Cook, William; Devercelly, Richard; Foggie, Kirk; Foster, Jack; Kolb, Timothy; Nakanishi, Tony; Smith, Brooke; Ulises, Anthony  
**Cc:** (b)(6)  
**Subject:** 1400 EDT (March 15, 2011) USNRC Earthquake/Tsunami SitRep  
**Date:** Wednesday, March 16, 2011 2:16:39 PM  
**Attachments:** USNRC Earthquake-Tsunami Update.031611.1400EDT.docx

Attached, please find a 1400 EDT situation report from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami on March 16, 2011. This Update includes information on the status of the units at Fukushima Daiichi, NRC recommendations to Americans in Japan, and NRC PMT hypothetical Worst Case Analyses.

Please note that this information is "Official Use Only" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

-Jim

Jim Anderson  
Office of Nuclear Security and Incident Response  
US Nuclear Regulatory Commission  
[james.anderson@nrc.gov](mailto:james.anderson@nrc.gov)  
[LIA07.HOC@nrc.gov](mailto:LIA07.HOC@nrc.gov) (Operations Center)

HHH/115

**From:** Coyne, Kevin  
**To:** Marksberry, Don; Beasley, Benjamin; Peters, Sean; Ott, William; Salley, MarkHenry; Kunitzky, Alan  
**Cc:** Ibarra, Jose; Coe, Doug; Correia, Richard  
**Subject:** Fw: IRC Staffing  
**Date:** Tuesday, March 15, 2011 7:48:42 PM

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BC's -

Please see below request from Brian and note that IRC experience/trng is not needed. Please identify folks that could support the irc effort and provide their names, availability, and shift preferences to Jose by 11 am Wednesday morning. We are looking for systems analysis, severe accidents, radiological dose assessment experience.

Also, we'll need to provide a standby list for folks willing to go to Japan - very strong technical skills and good communications ability are a must.

Thanks!

Kevin

Sent from an NRC Blackberry  
Kevin Coyne

(b)(6)

Ex 6

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**From:** Sheron, Brian  
**To:** Coyne, Kevin; Case, Michael; Coe, Doug; Correia, Richard; Gibson, Kathy; Lui, Christiana; Richards, Stuart; Sangimino, Donna-Marie; Scott, Michael; Uhle, Jennifer; Valentin, Andrea  
**Cc:** Dion, Jeanne  
**Sent:** Tue Mar 15 17:27:11 2011  
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they would be available to work shifts in the IRC if asked to. HR said they would be eligible for normal overtime compensation.

Also, they will be looking for staff to go to Japan and relieve the technical staff that recently went there. There were 2 BWR experts that left over the weekend, and a team of 9 more (6 engineers and 3 OIP staff) left yesterday. The thinking is that the staff that recently went over would come back in 2 weeks, which is when they want to send a replacement team over there. So please check to see if you have any staff with the proper technical credentials, are reasonably good communicators, and would be willing to spend about 2 weeks in Japan as part of the team there.

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For the team that will replace the one that was just sent to Japan, she said she would like us to update the list we previously sent by COB 3/17.

**From:** Kammerer, Annie  
**To:** Hayden, Elizabeth; Skeen, David  
**Subject:** RE: latest version of Q&As  
**Date:** Tuesday, March 15, 2011 6:55:14 PM

---

Thanks for the suggestion. It is on the front page, and also in the footer.

**From:** Hayden, Elizabeth  
**Sent:** Tuesday, March 15, 2011 3:38 PM  
**To:** Skeen, David; Kammerer, Annie  
**Subject:** Re: latest version of Q&As

If not there already, putting the date and time on the document when it is updated/changed would be good.

**From:** Skeen, David  
**To:** Kammerer, Annie  
**Cc:** Howe, Allen; Nelson, Robert; Hiland, Patrick; Stutzke, Martin; Glitter, Joseph; Rihm, Roger; McDermott, Brian; Hasselberg, Rick; Chokshi, Niles; Munson, Clifford; Cook, Christopher; Flanders, Scott; Ross-Lee, MaryJane; Brown, Frederick; Glitter, Joseph; Howe, Allen; Case, Michael; Ruland, William; Dudes, Laura; Karas, Rebecca; Ake, Jon; Munson, Clifford; Hogan, Rosemary; Uhle, Jennifer; Marshall, Michael; Uselding, Lara; Randall, John; Allen, Don; Burnell, Scott; Hayden, Elizabeth; Pires, Jose; Graves, Herman; Candra, Hernando; Murphy, Andrew; Murphy, Andrew; Pires, Jose; Hogan, Rosemary; Sheron, Brian; Dricks, Victor; Warnick, Greg; Reynoso, John; Lantz, Ryan; Markley, Michael  
**Sent:** Tue Mar 15 06:18:01 2011  
**Subject:** RE: latest version of Q&As

Annie,

Thank you for this comprehensive report. It is clear that you, Jon Ake, and Cliff Munson, have made substantial effort to create a document that will be the basis for much of the NRC's communications on seismic and tsunami risk over the coming days. What's more, you pulled this together in a very short time, since you only began working on it on Saturday, when I asked you to come to the Incident Response Center to assist the Reactor Safety Team shortly after the tragic events in Japan occurred. It is folks like you, Jon, and Cliff that make the NRC the outstanding organization that it is.

I would ask that if anyone has comments, to please route them through you, so that you maintain control of the document for the time being. Please let us know when you make revisions to the document.

**From:** Kammerer, Annie  
**Sent:** Tuesday, March 15, 2011 3:41 AM  
**To:** Hiland, Patrick; Skeen, David  
**Cc:** Howe, Allen; Nelson, Robert; Stutzke, Martin; Glitter, Joseph; Rihm, Roger; McDermott, Brian; Hasselberg, Rick; Kammerer, Annie; Chokshi, Niles; Munson, Clifford; Cook, Christopher; Flanders, Scott; Ross-Lee, MaryJane; Brown, Frederick; Glitter, Joseph; Howe, Allen; Case, Michael; Ruland, William; Dudes, Laura; Karas, Rebecca; Ake, Jon; Munson, Clifford; Hogan, Rosemary; Uhle, Jennifer; Marshall, Michael; Uselding, Lara; Randall, John; Allen, Don; Burnell, Scott; Hayden, Elizabeth; Pires, Jose; Graves, Herman; Candra, Hernando; Murphy, Andrew; Murphy, Andrew; Pires, Jose; Hogan, Rosemary; Sheron, Brian; Dricks, Victor; Warnick, Greg; Reynoso, John; Lantz, Ryan; Markley, Michael  
**Subject:** latest version of Q&As

HHH/117

All,

This is the first draft of the seismic-specific Q&As. It is pretty rough and there are many answers still missing, but people have contributed a lot and we thought it may be useful for many people trying to answer questions coming in.

We are continuing to compile the questions that come in and update the seismic Q&A document. If you have suggested changes, or want to provide missing answers, please forward them to me for compilation.

This is a living document and will be updated daily in the foreseeable future.

Annie

Dr. Annie Kammerer, PE  
Senior Seismologist and Earthquake Engineer  
US Nuclear Regulatory Commission  
Office of Nuclear Regulatory Research  
Washington DC 20555

(b)(6) mobile  
BB

**From:** Brenner, Eliot  
**To:** Hayden, Elizabeth  
**Subject:** Re: FY 2013 Budget Chairman's Guidance with VTC and teleconference (see details below) - note new date/time  
**Date:** Tuesday, March 15, 2011 5:14:03 PM

---

Would like you to be available friday AM. Sorry, but think it would help. Then you can talk about how you were summoned home at exhorbitant cost to help save civilization!

Eliot Brenner  
Director, Office of Public Affairs  
US Nuclear Regulatory Commission  
Protecting People and the Environment  
301 415 8200

C (b)(6)

Sent from my Blackberry

**From:** Hayden, Elizabeth  
**To:** Brenner, Eliot  
**Sent:** Tue Mar 15 17:08:11 2011  
**Subject:** Re: FY 2013 Budget Chairman's Guidance with VTC and teleconference (see details below) - note new date/time

If you need me to come in to the office Friday morning, please let me know by tonight. To take the 4:40 flight on Thurs, that will mean I have to leave the meeting @ noon. If you don't need me until late Fri. I will try to get the Fri flight home (it arrives at 3 pm. Fading fast as is my BB.

**From:** Brenner, Eliot  
**To:** Hayden, Elizabeth  
**Sent:** Tue Mar 15 15:30:22 2011  
**Subject:** RE: FY 2013 Budget Chairman's Guidance with VTC and teleconference (see details below) - note new date/time

OK by me if bethany sits in. also, there is that 440pm delta/air france flight thursday and i have checked and it is no problem for us to spend that kind of cash to get you back here. dyer basically called it chump change.

**From:** Hayden, Elizabeth  
**Sent:** Tuesday, March 15, 2011 3:28 PM  
**To:** Brenner, Eliot; Akstulewicz, Brenda; Janbergs, Holly  
**Subject:** Fw: FY 2013 Budget Chairman's Guidance with VTC and teleconference (see details below) - note new date/time

Would you be OK if I asked Bethany to sit in on this meeting and take notes?  
BTW--folks here like our webpage w/regard to Japan situation. Some websites (IAEA?) Couldn't handle the traffic and came down or are extremely slow.  
There is a good chance we will end our meeting Thurs. So I am copying Brenda to see if there is a flight back Fri.

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**To:** Bellinger, Alesha; Powell, Amy; Campbell, Andy; Bettis, Ashley; Gusack, Barbara; Stehlin, Barbara; Sall, Basia; Dabbs, Bill; Holt, BJ; Sentz, Brian; Poole, Brooke; Nelson-Wilson, Carlyleamaryllis; Nguyen, Caroline; Trybus, Chester; Lin, Chien-Ting; Kasputys, Clare; McGill, Clinton; Butler, Darrin; Decker, David; Krupnick, David; Rule, David; Huber, Deborah; Sotiropoulos, Dina; Hall, Donald; Williams, Donald; Gillen, Edward; New, Edward; Hayden, Elizabeth; Jacobs-Baynard, Elizabeth; Tabakov, Emil;

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Miller, Fred; Tharpe, Gary; Smolik, George; Gulla, Gerald; Somerville, Glenda; Murray, Heather; Le, Hong; Solorio, Ilka; Whetstone, Jack; Andersen, James; Horn, James; Hunter, James; Janis, James; Green, Jamie; Perry, Jamila; Dambly, Jan; Shay, Jason; Ojeda, Jennifer; Rand, Jennifer; Gallo, Jenny; Murphy, Jerome; McDevitt, Joan; Johnson, Joanne; John Vassos (John.Vassos@nrc.ogv)

<John.Vassos@nrc.ogv>; Coleman, Judy; Fitch, Karen; Newell, Karenina; Hannum, Karyn; Stout, Kathleen; Zilka, Kathleen; Gardin, Kathy; Ferrell, Kimberly; Boyd, Lena; Nute-Blackshear, Lora; Dove, Marna; Warner, MaryAnn; Brand, MaryLynn; Ma, May; Lockhart, Michelle; Tenaglia, Mickey; Lee, Min; Hays, Myra; Dhir, Neha; Wagner, Paige; Baker, Pamela; Howard, Patrick; Humphreys, Patti; Nibert, Patty; Augustus, Reginald; Hopkins, Rhonda; Baum, Richard; Rough, Richard; Spiegel, Richard; Stanfield, Richard; Barnes, Robin; Butler, Rodney; Allwein, Russell; Spencer, Ruth; Joosten, Sandy; Marks, Sharon; Bayliff, Shirley; Dembek, Stephen; Jefferson, Steven; Harvey, Sue; Blond, Tamoria; Grancorvitz, Teresa; McLaughlin, Terri; Walker, Tracy; Voytko, Victoria; Shnayder, Yana

**Sent:** Tue Mar 15 08:54:41 2011

**Subject:** FW: FY 2013 Budget Chairman's Guidance with VTC and teleconference (see details below) - note new date/time

When: Thursday, March 17, 2011 10:00 AM-11:30 AM (GMT-05:00) Eastern Time (US & Canada).

Where: Commissioners' hearing room

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**From:** Hudson, Sharon **On Behalf Of** Dyer, Jim

**Sent:** Tuesday, March 15, 2011 8:50 AM

**To:** Dyer, Jim; Taylor, Renee; Smolik, George; Golder, Jennifer; Powell, Marlon; Brown, Milton; Borchardt, Bill; Ash, Darren; Weber, Michael; Muessle, Mary; Virgilio, Martin; Hudson, Sharon; Matakas, Gina; Miles, Patricia; Buckley, Patricia; Owen, Lucy; Collins, Elmo; Satorius, Mark; Reyes, Luis; Dapas, Marc; Kelley, Corenthis; Sheron, Brian; Boyce, Thomas (OIS); McCrary, Cheryl; Zimmerman, Roy; Wiggins, Jim; Leeds, Eric; Johnson, Michael; Haney, Catherine; Cohen, Miriam; Miller, Charles; Howard, Patrick; Greene, Kathryn; Doane, Margaret; Poole, Brooke; Schmidt, Rebecca; Brenner, Eliot; Vietti-Cook, Annette; Burns, Stephen; Hackett, Edwin; Jacobs-Baynard, Elizabeth; Kasputys, Clare; Dhir, Neha; Akstulewicz, Brenda; Sheldon, Jeffrey; Metzgar, Laura

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**Subject:** FY 2013 Budget Chairman's Guidance with VTC and teleconference (see details below) - note new date/time

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**Where:** Commissioners' hearing room

**Your conference details are enclosed.**

**Meeting Information:**

Leader:

SHARON HUDSON

Phone number:

1-301-415-7322

Contact:

MR TYRONE BROWN

Phone number:

1-301-415-7027

Call date:

MAR-17-2011 (Thursday)

Call time:

10:00 AM EASTERN TIME

Duration:

2 hr

Service level:

Unattended

Number of lines:

Total=20 Dialout=0 Meet Me=20 Meet Me Toll=0

Confirmation number:  
2434640  
Company:  
FTS-NUCLEAR REGULATORY COMMISI  
CRC:

**Passcodes/Pin codes:**

Participant passcode: (b)(6)  
For security reasons, the passcode will be required to join the call.

**Dial in numbers:**  
**Country**

**Toll Numbers**  
**Freephone/**  
**Toll Free Number**

USA

800-779-9286

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Special notes:

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Region II – Pat Miles 404-562-4413

Region III – Pat Buckley 603-829-9657

Region IV – Lucy Owen 817-860-8227

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If you have any questions, please contact George Smolik.

Thank you.



1. The first part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation

**From:** Akstulewicz, Brenda  
**To:** Hayden, Elizabeth  
**Subject:** RE: FY 2013 Budget Chairman's Guidance with VTC and teleconference (see details below) - note new date/time  
**Date:** Tuesday, March 15, 2011 3:30:05 PM

---

I'll get on it for you, Beth and send you an email with the flight choices.

**From:** Hayden, Elizabeth  
**Sent:** Tuesday, March 15, 2011 3:28 PM  
**To:** Brenner, Eliot; Akstulewicz, Brenda; Janbergs, Holly  
**Subject:** Fw: FY 2013 Budget Chairman's Guidance with VTC and teleconference (see details below) - note new date/time

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\*~\*~\*~\*~\*~\*~\*~\*~\*~\*

-----Original Appointment-----

**From:** Hudson, Sharon **On Behalf Of** Dyer, Jim

HHH/119

**Sent:** Tuesday, March 15, 2011 8:50 AM

**To:** Dyer, Jim; Taylor, Renee; Smolik, George; Golder, Jennifer; Powell, Marlon; Brown, Milton; Borchardt, Bill; Ash, Darren; Weber, Michael; Muessle, Mary; Virgilio, Martin; Hudson, Sharon; Matakas, Gina; Miles, Patricia; Buckley, Patricia; Owen, Lucy; Collins, Elmo; Satorius, Mark; Reyes, Luis; Dapas, Marc; Kelley, Corenthis; Sheron, Brian; Boyce, Thomas (OIS); McCrary, Cheryl; Zimmerman, Roy; Wiggins, Jim; Leeds, Eric; Johnson, Michael; Haney, Catherine; Cohen, Miriam; Miller, Charles; Howard, Patrick; Greene, Kathryn; Doane, Margaret; Poole, Brooke; Schmidt, Rebecca; Brenner, Eliot; Vietti-Cook, Annette; Burns, Stephen; Hackett, Edwin; Jacobs-Baynard, Elizabeth; Kasputys, Clare; Dhir, Neha; Akstulewicz, Brenda; Sheldon, Jeffrey; Metzgar, Laura

**Cc:** Flory, Shirley; Lee, Pamela; Webber, Robert; Delligatti, Mark; Green, Jamie; Neff, Deborah; Quesenberry, Jeannette; Wright, Darlene; Joosten, Sandy

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SHARON HUDSON

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Phone number:

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Call date:

MAR-17-2011 (Thursday)

Call time:

10:00 AM EASTERN TIME

Duration:

2 hr

Service level:

Unattended

Number of lines:

Total=20 Dialout=0 Meet Me=20 Meet Me Toll=0

Confirmation number:

2434640

Company:

FTS-NUCLEAR REGULATORY COMMISI

CRC:

**Passcodes/Pin codes:**

Participant passcode:

(b)(6)

**For security reasons, the passcode will be required to join the call.**

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**Country**

**Toll Numbers**

**Freephone/  
Toll Free Number**

USA

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If you have any questions, please contact George Smolik.

Thank you,

*[Faint signature]*

*[Faint signature]*

*[Faint signature]*

*[Faint signature]*

**From:** John H. Hayden  
**To:** Hayden, Elizabeth  
**Subject:** RE: Bonjour  
**Date:** Tuesday, March 15, 2011 4:28:18 PM

---

Excellent, glad to hear you made it safe & sound. Sorry the room was delayed.

I just got into the office. I was Landlord's star witness in a lawsuit- we won the entire amount (\$50K)+ late fees, penalties and attorney fees. Now trying to do a full day's work.

Keep me posted.

---

John H. Hayden, Jr.  
Senior Director of Leasing  
The Rappaport Companies  
8405 Greensboro Drive, 8th Floor  
McLean, VA 22102  
jhayden@rappaportco.com  
(571) 382-1222 Direct  
(b)(6) Cell  
(571) 382-1210 Fax  
www.rappaportco.com

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

From: Hayden, Elizabeth [<mailto:Elizabeth.Hayden@nrc.gov>]  
Sent: Tuesday, March 15, 2011 9:55 AM  
To: John H. Hayden  
Subject: Bonjour

Got here safely and quickly but had to wait 3 hours til my room was ready. I am at the Hotel Kyriad Prestige Ouest Boulogne - Pphone #33 1 48 25 80 80. Starting tomorrow I will be at Quality Hotel Acanthe #33 1 46 99 1040.  
Off to the team leaders meeting in an hour.

HHH/120

**From:** Brenner, Eliot  
**To:** Hayden, Elizabeth  
**Subject:** RE: FY 2013 Budget Chairman's Guidance with VTC and teleconference (see details below) - note new date/time  
**Date:** Tuesday, March 15, 2011 3:31:19 PM

---

OK by me if bethany sits in. also, there is that 440pm delta/air france flight thursday and i have checked and it is no problem for us to spend that kind of cash to get you back here. dyer basically called it chump change.

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HHH/121

Patrick; Greene, Kathryn; Doane, Margaret; Poole, Brooke; Schmidt, Rebecca; Brenner, Eliot; Vietti-Cook, Annette; Burns, Stephen; Hackett, Edwin; Jacobs-Baynard, Elizabeth; Kasputys, Clare; Dhir, Neha; Akstulewicz, Brenda; Sheldon, Jeffrey; Metzgar, Laura

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George Smolik

Director, Conference Services

Conference Services Group

OCFO/OEDO

**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:** Conference Call @ 4:30 today  
**Date:** Tuesday, March 15, 2011 3:13:00 PM

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All,

Please see call-in information for an OPA conference call at 4:30 today.

Call in #: 888-677-0958

Passcode:

(b)(6)

Brenda

**Brenda Akstulewicz**  
Administrative Assistant  
Office of Public Affairs  
301-415-8209  
[brenda.akstulewicz@nrc.gov](mailto:brenda.akstulewicz@nrc.gov)



HHH/122

**From:** NATIONAL JIC  
**To:** SHARON.LEIGHOW@ALASKA.GOV; GUY.HAYES@ALASKA.GOV; JEREMY.ZIDEK@ALASKA.GOV;  
(b)(6) JBROWN@AMERICANSAMOA.GOV; MBENSON@AZ.GOV; KSABOW@AZ.GOV;  
JUDY.KIOSKI@AZDEMA.GOV; ABOLTON@AZDOHS.GOV; (b)(6)  
GIL.DURAN@GOV.CA.GOV; ELIZABETH.ASHFORD@GOV.CA.GOV; EVAN.WESTRUP@GOV.CA.GOV;  
KELLY.HUSTON@CALEMA.CA.GOV; JAY.ALAN@CALEMA.CA.GOV; ELAINE.JENNINGS@CALEMA.CA.GOV;  
DANIEL.BERLANT@FIRE.CA.GOV; JULIE.HUTCHINSON@FIRE.CA.GOV; bradley.hokanson@qhs.guam.gov;  
TROY.TORRES@GUAM.GOV; MIKE.CAREY@GHS.GUAM.GOV; alyssa.benito@qhs.guam.gov;  
JOSH.LEVINSON@HAWAII.GOV; LAURIE.AJ@HAWAII.GOV; DONALYN.DELACRUZ@HAWAII.GOV;  
SICHISHITA@SCD.HAWAII.GOV; (b)(6) MARK.WARBIS@GOV.IDAHO.GOV;  
TMARSANO@IMD.IDAHO.GOV; RFEELEY@BHS.IDAHO.GOV; angel.demapan@gov.mp;  
JPOMAR@CNMIEMO.GOV.MP; (b)(6) TIM.RAPHAEL@STATE.OR.US;  
JENNI.CHAMBERLAIN@STATE.OR.US; Gregg.Hastings@state.or.us; STEVE.BOMAR@MIL.STATE.OR.US;  
KARINA.SHAGREN@GOV.WA.GOV; CORY.CURTIS@GOV.WA.GOV; W.FREITAG@EMD.WA.GOV;  
R.HARPER@EMD.WA.GOV; M.CLEMENS@EMD.WA.GOV; (b)(6) LESPINO@NPHIC.ORG;  
Walz, Kim; Hamill, John; Hudson, Kelly; White, Paul; Howard, Mike; EOCJICLEADERSHIP@CDC.GOV;  
ver5@cdc.gov; dvp2@cdc.gov; tws3@cdc.gov; btb8@cdc.gov; fsk4@cdc.gov; EOCJICCOET@CDC.GOV;  
vzc6@cdc.gov; NRB0@CDC.GOV; rpippin@cdc.gov; eocicepix2@cdc.gov; eocicepix@cdc.gov;  
(b)(6) BILL.HALL@HHS.GOV; Colburn, Brent; Carroll, Bradley; McIntyre, James;  
Harrington, Holly; Hayden, Elizabeth; Brenner, Eliot; Gretchen.Michael@hhs.gov; ELLEEN.KANE@HHS.GOV;  
Schneider, Drew; Bernstein, Jarrod; Tennyson, Stephanie L; Blossom, Kellyn;  
(b)(6) Chandler, Matthew; Ortman, Chris J; Fetcher, Adam; Greene, Richard E;  
Grossman, Jordan; Heath, Stanley; Howard, Tammy; Jennifer.Friedman; Karonis, Jeff; Keegan, Michael; Kroloff,  
Noah; Kuban, Sara; Kudwa, Amy; Lacivita, Brendan; Lluberes, Andrew; McShea, Kathleen; Michaelidis,  
Gregory; Sheehy, Kathleen; Shlossman, Amy; Slaven, Michael; Smith, Sean; Stelmarski, Chris; Walker, Candice;  
Ward, Kerisha; Whithorne, Bobby; Wood, Chad  
**Subject:** SICCL Call at 3:30pm (Eastern): Japan Nuclear Incident  
**Date:** Tuesday, March 15, 2011 1:06:31 PM

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Pacific and Western area communicators,

Please join a State Incident Communications Conference Call (SICCL) at 3:30 pm (eastern) regarding the ongoing Japanese Nuclear incident.

Call information:

1-800-320-4330

Code (b)(6)

Primary purpose:

We would like to hear any communications issues/perceptions that you may have in your area given the ongoing media coverage of the nuclear power plants overseas. We've asked Jay Alan, CALEMA to initiate the conversation.

HHH/123

## **Satorius, Mark**

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**From:** Evans, Michele  
**Sent:** Tuesday, March 15, 2011 4:53 PM  
**To:** Hackett, Edwin; Brenner, Eliot; Schmidt, Rebecca; Powell, Amy; Droggitis, Spiros; Doane, Margaret; Mamish, Nader; Dyer, Jim; Brown, Milton; Greene, Kathryn; Stewart, Sharon; Howard, Patrick; Miller, Charles; Moore, Scott; Cohen, Miriam; Tracy, Glenn; Haney, Catherine; Dorman, Dan; Johnson, Michael; Holahan, Gary; Leeds, Eric; Boger, Bruce; Grobe, Jack; Zimmerman, Roy; Campbell, Andy; Sheron, Brian; Uhle, Jennifer; Dean, Bill; Lew, David; McCree, Victor; Wert, Leonard; Casto, Chuck; Satorius, Mark; Pederson, Cynthia; Collins, Elmo; Howell, Art; Muessle, Mary; Andersen, James; Akstulewicz, Brenda; Belmore, Nancy; Quesenberry, Jeannette; Kreuter, Jane; Armstrong, Janine; Hudson, Sharon; Ellis, Marv; Hasan, Nasreen; Ronewicz, Lynn; Schumann, Stacy; Daniels, Stanley; Casby, Marcia; Thomas, Lorella; Walker, Dwight; Sprogeris, Patricia; Schwarz, Sherry; Ross, Robin; Cohen, Shari; Riddick, Nicole; Flory, Shirley; Veltri, Debra; Matakas, Gina; ODaniell, Cynthia; Miles, Patricia; Lee, Pamela; Dubose, Sheila; Buckley, Patricia; Tomczak, Tammy; Owen, Lucy; Tannenbaum, Anita; Gusack, Barbara; Harrington, Holly; Ricketts, Paul; Howell, Linda; Higginbotham, Tina; Ross, Brenda; Boyce, Thomas (OIS); Schaeffer, James; Jackson, Donald  
**Subject:** Follow-up from 4 pm teleconference on Ops Center Long Term Staffing  
**Attachments:** Japan Exercise Position Title March 15.docx; Japan Support.xlsx

Everyone,

Please find attached 1) a list of current positions being staffed in the Ops Center and 2) the staff identified as available to support in Japan.

Regarding additional staff available to support in the ops center, the primary needs are for the specialized positions on the PMT and anyone with previous international experience in OIP.

Regarding support in Japan, please provide any updates/changes to the list by COB March 17. The target time frame for sending these staff members is March 27-April 9, so please consider that when considering staff to put on the list.

Thanks for your support.

*Michele*

HHH/124

## Positions being staffed in the Operations Center as of March 15, 2011

### Liaison Team

LT Director  
LT Coordinator  
LT Federal Liaison (2)  
LT Congressional Liaison (2)  
LT International Liaison (2)

### Protective Measures Team

PMTR Director  
PMTR Coordinator  
PMTR Protective Actions Assistant Director  
PMTR RAAD (Radiological Assessment Assistant Director)  
PMTR Dose Assessment (RASCAL)  
RASCAL Developer  
PMTR GIS Analyst (Geographical Information Systems)  
PMTR Meteorologist

### Reactor Safety Team

RST Director  
RST Coordinator  
Severe Accident / PRA  
BWR Expert  
RST Comm / ERDS Operator  
RST Support (Seismology Q&A)

SAMG

SRO/RI  
@BWR

Desc

|                                   |      |                |                                                                                                                                                                                                                                                                                                            |
|-----------------------------------|------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rudy Bernhard                     |      | SRO/RI<br>@BWR | Senior Reactor Analyst, Senior Resident Inspector at Grand Gulf; GE SRO Certification at Dresden, Hatch and River Bend; General Electric Construction/Pre-op/Start-up Testing/ and Operations, Browns Ferry Restart support.                                                                               |
| Bruno Caballero                   |      | SRO/RI<br>@BWR | Senior Operator Licensing Examiner, former SRO at Browns Ferry (BWR4/Mark                                                                                                                                                                                                                                  |
| Len Wert                          |      | SRO/RI<br>@BWR | SRI Browns Ferry and Hatch (BWR4/Mark 1)                                                                                                                                                                                                                                                                   |
| Chuck Casto                       |      | SRO/RI<br>@BWR | former licensed SRO at Browns Ferry (BWR4/Mark                                                                                                                                                                                                                                                             |
| Joel Munday                       |      | SRO/RI<br>@BWR | former licensed SRO at Brunswick ((BWR4/Mark 1) SRI at Hatch (BWR4/Mark 1)                                                                                                                                                                                                                                 |
| Tony Nakanishi                    |      | SRO/RI<br>@BWR | BWR analysis guy, spent fuel pool criticality,                                                                                                                                                                                                                                                             |
| Tony Mendiola                     |      | SRO/RI<br>@BWR | BWR qualified examiner (dated) , SRO certified by GE, Navy Nuke                                                                                                                                                                                                                                            |
| Lawrence Kokajko                  | SAMG | SRO/RI<br>@BWR | licensed operator on this type of plant (SOP 3938). He also taught degraded core cooling post TMI.                                                                                                                                                                                                         |
| Aby Mohseni                       | SAMG |                | severe accident experience for this type of unit                                                                                                                                                                                                                                                           |
| George Wilson – Chief, I&C Branch |      | SRO/RI<br>@BWR | BS Nuclear/Electrical Engineering Navy ET/Reactor Operator TVA I&C Supervisor STA at Watts Bar NRC License Examiner RI/SRI at BWR 4/5 Mark 2s Electrical Branch Chief 2005-2011 Evaluated Forsmark event in Sweden                                                                                         |
| Martin Murphy                     |      |                | Navy Nuke program – GE / Knolls Atomic Power Laboratory employee – 6 years operating prototype Calvert Cliffs nuclear power plant – 12 years system engineering (ECCS & containment spray), senior material engineer US NRC materials engineer licensing experience project engineering – special projects |

(b)(6)

2

rel

|                                      |      |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|--------------------------------------|------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Roy Mathews -<br>Electrical Engineer |      |                | thirty years nuclear power plant experience in the areas of design, maintenance and operation Expert in power plant electrical engineering design and operation Participated in the NRC, IIT, AITs and Team Inspections and a qualified NRC inspector Participated in international electrical design standards                                                                                                                                                                                                                                                                     |  |
| Jeff Circle                          |      | SRO/RI<br>@BWR | Probabilistic risk assessments, including system modeling. ROP, SDP, and SERPs Licensing interface Maintenance rule Reactive inspection decision-making Outage management Mr. Circle is a member of the HQ Incident Response Reactor Safety Team. Prior to joining the NRC, Mr. Circle worked for Entergy for 6 years (2000-2006) and with the New York Power Authority for 7 years (1993-2000). He has significant experience with BWRs and PWRs.                                                                                                                                  |  |
| Harold Barrett                       |      | SRO/RI<br>@BWR | significant BWR experience. He worked at Nine Mile Point on and off for about 15 years. He held a Senior Reactor Operator's license at Nine Mile Point Unit 1, including several positions in Operations Management (Assistant Operations Superintendent and General Supervisor Operations), was qualified in Emergency Plan Implementation and was involved with symptom-based procedure development and participated on the BWR Owner's Group Emergency Procedures Committee (responsible for the BWR Emergency Procedure Guidelines for all BWR product lines) in the mid-1980s. |  |
| Tim Kolb                             |      | SRO/RI<br>@BWR | BWR specialist                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| Kristy Bucholtz                      |      | SRO/RI<br>@BWR | Recently licensed SRO at Peach Bottom.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| Chuck Norton                         |      | SRO/RI<br>@BWR | BWR expertise (shift manager for many years at a BWR 4, resident inspector at a BWR 6 (Grand Gulf)).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| Joe Giitter                          |      |                | source term, incident response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| Bill Cook                            | SAMG |                | severe accident mitigation. knowledgeable of SAMAs and B.5.b strategies. considerable BWR backgrounds. Region I Senior reactor analysts.                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| Wayne Schmidt                        | SAMG |                | severe accident mitigation. knowledgeable of SAMAs and B.5.b strategies. considerable BWR backgrounds. Region I Senior reactor analysts.                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |

|                  |      |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |
|------------------|------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Chris Cahill     | SAMG |                | severe accident mitigation. knowledgeable of SAMAs and B.5.b strategies. considerable BWR backgrounds. Region I Senior reactor analysts.                                                                                                                                                                                                                                                                                                                                                                                                                                     | (b)(6) |
| Ron Nimitz       |      |                | radiological health effects and plume modeling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |
| Jim Noggle       |      |                | radiological health effects and plume modeling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |
| Ray McKinley     |      | SRO/RI<br>@BWR | incident response, former BWR 4 SRO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| Edward Fuller    | SAMG |                | Ph.D. Nuclear Engineering, Expert: Severe Accident Analysis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| Donald Dube      | SAMG |                | Ph.D. Nuclear Engineering Expert: Severe Accident Analysis and Operational Experience                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |
| Charles Hinson   |      |                | M.E. Nuclear Engineering/ Health Physics Expert: ALARA & Radiological Safety Programs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |
| Reynaldo Jenkins |      |                | M.E. Nuclear Engineering/ Health Physics Expert: ALARA & Radiological Safety Programs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |
| Mark Ring        | SAMG | SRO/RI<br>@BWR | Div of Reactor Projects Br Chief for many years. Responsible for Dresden and Quad, I consider him one of the agency's best on BWR 3 and 4's qual in our emerg response org in rst, pmt, and response coordination                                                                                                                                                                                                                                                                                                                                                            |        |
| Jim McGhee       |      | SRO/RI<br>@BWR | SRI Quad, former SRO BWR and BWR examiner. Former licensee Ops and Maint mana at entergy BWRs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |
| Jack Foster      | SAMG |                | HOO Protective Measure Team (PMT). Qualified as Reactor Safety Team/PMT Liaison and PMT Coordinator. RST/PMT skills need include Reactor background and health physics. PMT Coordinator skill include use and training on RASCAL, GIS, overall process of PMT. Branch Chief Materials Licensing Branch in FSME. Responsibilities include:<br>Exempt Distribution Licensing, General Licensing, Web Based Licensing/Licensing Tracking System.Branch Chief - Generic Issues and OpE (RES). Included skills are GI-199 (Seismic) and Accident sequence precursor program (ASP) |        |



|                       |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |
|-----------------------|------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Jason Schaperow       | SAMG |             | Severe Accident (SA) Management Strategies (SAMGs), SA phenomena, source term chemical interaction, member of RST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (b)(6) |
| Richard Lee           | SAMG |             | SAMGs, SA phenomena                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |
| Mark Leonard (Sandia) | SAMG | SRO/RI @BWR | BWR SAMGs, SA phenomena                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
| Randy Gauntt (Sandia) | SAMG | SRO/RI @BWR | SAMGs, SA phenomena, source term chemical interaction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |
| Annie Kammerer        |      |             | Seismic, tsunami, works with Japanese through IAEA program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| Steve Garchow         |      |             | Licensed as a BWR 6 (Perry) SRO. Went through construction and startup. While at Perry, I developed many of the initial safety related normal operating and abnormal operating procedures. This was a "from scratch" effort and, thus, involved a large amount of research with regard to system designs, capabilities, and interfaces with other systems. Perry was the lead plant for the development of the initial BWR EOPs following TMI. I was one of the licensed SRO's responsible for the initial validation and subsequent revisions of the draft EOP's. This effort was part of the BWR industry's EOP implementation plan following TMI. While an INPO employee, was a simulator evaluation team leader. This involved evaluating BWR operating crews across the country in "emergency" EOP simulated scenarios. As an NRC Chief Examiner, led many exams on BWR 4's, 5's, and 6's. This has included exams on MARK I, MARK II and MARK III containment designs. While at INPO was an accident/incident investigator and in this capacity investigated many nuclear industry events. Was a company spokesperson at First Energy and, as such, was responsible for the JPIC during emergency situations: |        |
| Michael Hay           |      |             | Bachelors/Masters in Health Physics NRC GE/BWR series course Resident Inspector at Cooper Nuclear Station: BWR 4/Mark 1 (approx 4 years) Extensive emergency planning and event response experiences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |

[illegible]

[illegible]

**From:** Uselding, Lara  
**To:** Brenner, Eliot; Hayden, Elizabeth; Akstulewicz, Brenda  
**Cc:** Harrington, Holly; Burnell, Scott  
**Subject:** TNTs from Region IV for today  
**Date:** Tuesday, March 15, 2011 12:57:41 PM

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For a sampling of local outreach and response:

Region IV: NPR, LA Times, AP LA, KHBS TV, Omaha World Herald, River Valley Leader, San Diego Tribune, Austin American Statesman, Dallas Morning News, Avalanche Journal Newspaper (Lubbock), KEPR TV, KSCY Radio, Missoula Radio, Rolling Stone, CBS TV (Dallas), St. Louis Post Dispatch, TV 16 Jackson, MI; KFYI Radio, San Francisco CBS TV, Victoria Advocate, Glen Rose Reporter, San Antonio Express News, KMJ Radio (Fresno), Kansas City Star, East City Magazine, in addition to local radio stations and TV affiliates. To name a few

Lara Uselding  
U.S. Nuclear Regulatory Commission (NRC)  
Public Affairs - Region IV

Lara.Uselding@nrc.gov

BlackBerry: (b)(6)

Office: 817-276-6519

For more information visit [www.nrc.gov](http://www.nrc.gov)

HAHX/125

**From:** Janda, Donna  
**To:** LIA04 Hoc; Barker, Allan; Browder, Rachel; Erickson, Randy; Logaras, Harral; Maier, Bill; McNamara, Nancy; Tift, Doug; Trojanowski, Robert; Woodruff, Gena  
**Cc:** LIA01 Hoc; Burnell, Scott; Harrington, Holly; Hayden, Elizabeth; Flannery, Cindy; Lukes, Kim; Noonan, Amanda; Rautzen, William; Rivera, Alison; Ryan, Michelle; Turtill, Richard; Virgilio, Rosetta  
**Subject:** RE: Situation in Japan  
**Date:** Tuesday, March 15, 2011 10:48:38 AM

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Yes I will provide NJ with the contact info for the State Department, Consular Services.

Thank you.

-Donna

Donna Janda  
State Agreements Officer  
U.S. NRC Region I  
(610) 337-5371 Office  
(610) 337-5269 Fax  
(b)(6) NRC Cell

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

From: LIA04 Hoc  
Sent: Tuesday, March 15, 2011 10:32 AM  
To: Janda, Donna; Barker, Allan; Browder, Rachel; Erickson, Randy; Logaras, Harral; Maier, Bill; McNamara, Nancy; Tift, Doug; Trojanowski, Robert; Woodruff, Gena  
Cc: LIA01 Hoc; Burnell, Scott; Harrington, Holly; Hayden, Elizabeth; Flannery, Cindy; Lukes, Kim; Noonan, Amanda; Rautzen, William; Rivera, Alison; Ryan, Michelle; Turtill, Richard; Virgilio, Rosetta  
Subject: RE: Situation in Japan

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

Donna - Will you follow up with NJ?

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

From: LIA01 Hoc  
Sent: Tuesday, March 15, 2011 9:57 AM  
To: LIA04 Hoc  
Subject: FW: Situation in Japan

Rosetta,

Can you assist?

Ted Smith

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

From: Janda, Donna  
Sent: Tuesday, March 15, 2011 9:55 AM  
To: LIA01 Hoc  
Cc: Tift, Doug; McNamara, Nancy  
Subject: FW: Situation in Japan

See the email below from the State of New Jersey regarding the situation in Japan.

Thanks,

HHH/126

Donna

Donna Janda  
State Agreements Officer  
U.S. NRC Region I  
(610) 337-5371 Office  
(610) 337-5269 Fax  
(b)(6) NRC Cell

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

From: Richard Peros [<mailto:Richard.Peros@dep.state.nj.us>]  
Sent: Tuesday, March 15, 2011 9:20 AM  
To: Janda, Donna  
Cc: Bill Csaszar; Patricia Gardner  
Subject: Situation in Japan

Donna - We received a call from a private citizen concerned about her daughter who's traveling in Asia (Thailand, S. Korea, etc.). She wanted to know if she should contact her daughter to have her change her itinerary due to the situation in Japan and the potential for contamination from ground deposition, flying through a plume, etc.

She wanted to get information on if it was safe to travel in the area.

She told us she contacted the NRC, but was told to contact the our office.

I'd think the NRC has better info. than we do. We're just repeating what we hear from the NRC reports.

Is there some official site or contact # to give people in case we get any additional calls?

**From:** McNamara, Nancy  
**To:** LIA04 Hoc; Janda, Donna; Barker, Allan; Browder, Rachel; Erickson, Randy; Logaras, Harral; Maier, Bill; Tift, Doug; Trojanowski, Robert; Woodruff, Gena  
**Cc:** LIA01 Hoc; Burnell, Scott; Harrington, Holly; Hayden, Elizabeth; Flannery, Cindy; Lukes, Kim; Noonan, Amanda; Rautzen, William; Rivera, Alison; Ryan, Michelle; Turtill, Richard; Virgilio, Rosetta  
**Subject:** RE: Situation in Japan  
**Date:** Tuesday, March 15, 2011 10:51:35 AM

---

Can you please add that information to the bank of Q&As that you are compiling. Thanks.

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

From: LIA04 Hoc  
Sent: Tuesday, March 15, 2011 10:32 AM  
To: Janda, Donna; Barker, Allan; Browder, Rachel; Erickson, Randy; Logaras, Harral; Maier, Bill; McNamara, Nancy; Tift, Doug; Trojanowski, Robert; Woodruff, Gena  
Cc: LIA01 Hoc; Burnell, Scott; Harrington, Holly; Hayden, Elizabeth; Flannery, Cindy; Lukes, Kim; Noonan, Amanda; Rautzen, William; Rivera, Alison; Ryan, Michelle; Turtill, Richard; Virgilio, Rosetta  
Subject: RE: Situation in Japan

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

Donna - Will you follow up with NJ?

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

From: LIA01 Hoc  
Sent: Tuesday, March 15, 2011 9:57 AM  
To: LIA04 Hoc  
Subject: FW: Situation in Japan

Rosetta,

Can you assist?

Ted Smith

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

From: Janda, Donna  
Sent: Tuesday, March 15, 2011 9:55 AM  
To: LIA01 Hoc  
Cc: Tift, Doug; McNamara, Nancy  
Subject: FW: Situation in Japan

See the email below from the State of New Jersey regarding the situation in Japan.

Thanks,  
Donna

Donna Janda  
State Agreements Officer  
U.S. NRC Region I  
(610) 337-5371 Office  
(610) 337-5269 Fax  
(b)(6) NRC Cell

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

From: Richard Peros [<mailto:Richard.Peros@dep.state.nj.us>]  
Sent: Tuesday, March 15, 2011 9:20 AM

HHH/127

To: Janda, Donna  
Cc: Bill Cszasz; Patricia Gardner  
Subject: Situation in Japan

Donna - We received a call from a private citizen concerned about her daughter who's traveling in Asia (Thailand, S. Korea, etc.). She wanted to know if she should contact her daughter to have her change her itinerary due to the situation in Japan and the potential for contamination from ground deposition, flying through a plume, etc.

She wanted to get information on if it was safe to travel in the area.

She told us she contacted the NRC, but was told to contact the our office.

I'd think the NRC has better info. than we do. We're just repeating what we hear from the NRC reports.

Is there some official site or contact # to give people in case we get any additional calls?



**From:** Hayden Elizabeth  
**To:** (b)(6)  
**Subject:** Re: Hello  
**Date:** Tuesday, March 15, 2011 10:21:16 AM

---

Thanks Helen. Got here safely very overshadowed by nuclear situation in Japan. Coming off 12-hour shifts at our Operations Center and may be called back early.

---

**From:** Helen Dias (b)(6)  
**To:** Hayden, Elizabeth  
**Sent:** Tue Mar 15 10:05:41 2011  
**Subject:** Hello

Hi Beth,

Hope you are doing well and that your travel to Paris went smoothly.

I hear that Hilary Clinton is there as well. Perhaps your paths will cross.. who knows.

Have a great time.. See you when you return.

love,  
Helen

HHH/128

**From:** Bubar, Patrice  
**To:** Brenner, Eliot; Hayden, Elizabeth  
**Subject:** FW: Request from Member of Public  
**Date:** Tuesday, March 15, 2011 10:18:27 AM

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Eliot and Beth – how are we handling calls and requests from general citizens? Is OPA the focal point for these requests also?

Patty Bubar  
Chief of Staff  
Office of Commissioner William D. Magwood  
U.S. Nuclear Regulatory Commission  
301-415-1895

**From:** Crawford, Carrie  
**Sent:** Tuesday, March 15, 2011 9:52 AM  
**To:** Bubar, Patrice  
**Cc:** Magwood, William  
**Subject:** Request from Member of Public

Call from Member of Public from Edgewater, New Jersey 9:30 a.m. , March 15<sup>th</sup>  
84 year old Veteran of Korean War

Mr. Heanue would like a description/explanation of what the U.S. (and who) is doing to counteract the probable emission of radiation contaminants as a result of hydrogen explosions and nuclear mismanagements that may be going on in Japan. He is especially concerned about plutonium leakage.

He says that the fact that winds from Japan move to U.S. was proven in history when Japan sent bombs in balloons to U.S. during World War II. During that time, it was ordered that any results not be reported – so Japanese would conclude the mission unsuccessful – it worked. He says that the people today have a right to know what is going on and should be alerted to the extent of any radiation pollution moving into the U.S. – and should be directed as to what they need to do to protect themselves. At best they should be informed, he says.

Please respond to him to answer his concerns.

Mr. Michael Heanue  
(b)(6)

Thanks,  
Carrie

HHH/129

**From:** McIntyre, David  
**To:** Everly, JKeith; Hayden, Elizabeth; Burnell, Scott; 'ivonne@nrc.gov'  
**Subject:** Re: AUSTRALIAN EMBASSY INQUIRY  
**Date:** Tuesday, March 15, 2011 9:41:55 AM

---

Thanks

David McIntyre  
NRC Office of Public Affairs  
(b)(6) (mobile)  
301-415-8200 (office)

Sent from my BlackBerry, which is wholly responsible for all typos.

**From:** Everly, JKeith  
**To:** McIntyre, David; Hayden, Elizabeth; Burnell, Scott; 'ivonne@nrc.gov' <ivonne@nrc.gov>  
**Sent:** Tue Mar 15 09:20:02 2011  
**Subject:** RE: AUSTRALIAN EMBASSY INQUIRY

OIP has responded.

J. Keith Everly  
Senior Program Manager (Licensee Security)  
Information Security Branch  
Division of Security Operations  
Office of Nuclear Security and Incident Response  
(O)301-415-7048 (C) (b)(6) (FAX)301-415-2190 (Blackberry) (b)(6)

**From:** McIntyre, David  
**Sent:** Tuesday, March 15, 2011 2:03 AM  
**To:** Hayden, Elizabeth; Burnell, Scott; 'ivonne@nrc.gov'  
**Cc:** Everly, JKeith  
**Subject:** Re: AUSTRALIAN EMBASSY INQUIRY

Shouldn't this be OIP?

David McIntyre  
NRC Office of Public Affairs  
(b)(6) (mobile)  
301-415-8200 (office)

Sent from my BlackBerry, which is wholly responsible for all typos.

**From:** Hayden, Elizabeth  
**To:** Burnell, Scott; McIntyre, David; 'ivonne@nrc.gov' <ivonne@nrc.gov>  
**Cc:** Everly, JKeith  
**Sent:** Tue Mar 15 01:23:46 2011  
**Subject:** Fw: AUSTRALIAN EMBASSY INQUIRY

Could someone please followup w/this inquiry if someone hasn't already done so.

HHH/130

**From:** Powell, Marlon on behalf of Dyer, Jim  
**To:** Bellinger, Alesha; Powell, Amy; Taylor, Renee; Campbell, Andy; Bettis, Ashley; Golder, Jennifer; Gusack, Barbara; Powell, Marlon; Stehlin, Barbara; Brown, Milton; Sall, Basia; Borchardt, Bill; Dabbs, Bill; Ash, Darren; Holt, BJ; Weber, Michael; Sentz, Brian; Muessle, Mary; Poole, Brooke; Virgilio, Martin; Nelson-Wilson, Carlyleamaryllis; Hudson, Sharon; Nguyen, Caroline; Matakas, Gina; Trybus, Chester; Miles, Patricia; Lin, Chien-Ting; Buckley, Patricia; Kasputys, Clare; Owen, Lucy; McGill, Clinton; Collins, Elmo; Butler, Darrin; Satorius, Mark; Decker, David; Reyes, Luis; Krupnick, David; Dapas, Marc; Rule, David; Kelley, Corenthis; Huber, Deborah; Sheron, Brian; Sotiropoulos, Dina; Boyce, Thomas (OIS); Hall, Donald; McCrary, Cheryl; Williams, Donald; Zimmerman, Roy; Gillen, Edward; Wiggins, Jim; New, Edward; Leeds, Eric; Hayden, Elizabeth; Johnson, Michael; Jacobs-Baynard, Elizabeth; Haney, Catherine; Tabakov, Emil; Cohen, Miriam; Miller, Fred; Miller, Charles; Tharpe, Gary; Smolik, George; Greene, Kathryn; Gulla, Gerald; Doane, Margaret; Somerville, Glenda; Murray, Heather; Schmidt, Rebecca; Le, Hong; Brenner, Eliot; Solorio, Ilka; Vietti-Cook, Annette; Whetstone, Jack; Burns, Stephen; Andersen, James; Hackett, Edwin; Horn, James; Hunter, James; Janis, James; Green, Jamie; Perry, Jamila; Dambly, Jan; Shay, Jason; Ojeda, Jennifer; Rand, Jennifer; Gallo, Jenny; Murphy, Jerome; McDevitt, Joan; Johnson, Joanne; Akstulewicz, Brenda; John Vassos (John.Vassos@nrc.org); Sheldon, Jeffrey; Coleman, Judy; Metzgar, Laura; Fitch, Karen; BAB; Newell, Karenina; Hannum, Karyn; Stout, Kathleen; Zilka, Kathleen; Gardin, Kathy; Ferrell, Kimberly; Boyd, Lena; Nute-Blackshear, Lora; Dove, Marna; Warner, MaryAnn; Brand, MaryLynn; Ma, May; Lockhart, Michelle; Tenaglia, Mickey; Lee, Min; Hays, Myra; Dhir, Neha; Wagner, Paige; Baker, Pamela; Howard, Patrick; Humphreys, Patti; Nibert, Patty; Augustus, Reginald; Hopkins, Rhonda; Baum, Richard; Rough, Richard; Speigel, Richard; Stanfield, Richard; Barnes, Robin; Butler, Rodney; Allwein, Russell; Spencer, Ruth; Joosten, Sandy; Marks, Sharon; Bayliff, Shirley; Dembek, Stephen; Jefferson, Steven; Harvey, Sue; Blond, Tamoria; Grancorvitz, Teresa; McLaughlin, Terri; Walker, Tracy; Voytko, Victoria; Shnyder, Yana  
**Cc:** Flory, Shirley; Lee, Pamela; Webber, Robert; Delligatti, Mark; Neff, Deborah; Quesenberry, Jeannette; Wright, Darlene  
**Subject:** FW: FY 2013 Budget Chairman's Guidance with VTC and teleconference (see details below) - note new date/time  
**Start:** Thursday, March 24, 2011 4:00:00 PM  
**End:** Thursday, March 24, 2011 5:30:00 PM  
**Location:** Commissioners' hearing room

When: Thursday, March 17, 2011 10:00 AM-11:30 AM (GMT-05:00) Eastern Time (US & Canada).  
Where: Commissioners' hearing room

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

\*~\*~\*~\*~\*~\*~\*~\*~\*~\*

-----Original Appointment-----

From: Hudson, Sharon On Behalf Of Dyer, Jim  
Sent: Tuesday, March 15, 2011 8:50 AM  
To: Dyer, Jim; Taylor, Renee; Smolik, George; Golder, Jennifer; Powell, Marlon; Brown, Milton; Borchardt, Bill; Ash, Darren; Weber, Michael; Muessle, Mary; Virgilio, Martin; Hudson, Sharon; Matakas, Gina; Miles, Patricia; Buckley, Patricia; Owen, Lucy; Collins, Elmo; Satorius, Mark; Reyes, Luis; Dapas, Marc; Kelley, Corenthis; Sheron, Brian; Boyce, Thomas (OIS); McCrary, Cheryl; Zimmerman, Roy; Wiggins, Jim; Leeds, Eric; Johnson, Michael; Haney, Catherine; Cohen, Miriam; Miller, Charles; Howard, Patrick; Greene, Kathryn; Doane, Margaret; Poole, Brooke; Schmidt, Rebecca; Brenner, Eliot; Vietti-Cook, Annette; Burns, Stephen; Hackett, Edwin; Jacobs-Baynard, Elizabeth; Kasputys, Clare; Dhir, Neha; Akstulewicz, Brenda; Sheldon, Jeffrey; Metzgar, Laura  
Cc: Flory, Shirley; Lee, Pamela; Webber, Robert; Delligatti, Mark; Green, Jamie; Neff, Deborah; Quesenberry, Jeannette; Wright, Darlene; Joosten, Sandy  
Subject: FY 2013 Budget Chairman's Guidance with VTC and teleconference (see details below) - note new date/time  
When: Thursday, March 17, 2011 10:00 AM-11:30 AM (GMT-05:00) Eastern Time (US & Canada).  
Where: Commissioners' hearing room

Your conference details are enclosed.

Meeting Information:

Leader:

SHARON HUDSON

Phone number:

1-301-415-7322

Contact:

MR TYRONE BROWN

HAH/131

Phone number:

1-301-415-7027

Call date:

MAR-17-2011 (Thursday)

Call time:

10:00 AM EASTERN TIME

Duration:

2 hr

Service level:

Unattended

Number of lines:

Total=20 Dialout=0 Meet Me=20 Meet Me Toll=0

Confirmation number:

2434640

Company:

FTS-NUCLEAR REGULATORY COMMISI

CRC:

Passcodes/Pin codes:

Participant passcode: (b)(6)

For security reasons, the passcode will be required to join the call.

Dial in numbers:

Country

Toll Numbers

Freephone/  
Toll Free Number

USA

800-779-9286

Restrictions may exist when accessing freephone/toll free numbers using a mobile telephone.

In-Conference Features:

All participants must use a touch-tone phone to participate in an Audio Conference. The following features are available for you to use on your phone during an active conference:

♦

Press \*0 operator assistance (small fee may apply)

◆

Press \*6 mute/unmute individual line

Selected Conference Features:

Audio

Tones

Leaders can schedule, modify or cancel a reservation by using e-Scheduling, our online reservation tool. To reschedule or cancel this reservation, click HYPERLINK "<https://www.mymeetings.com/custom/redirect.jsp?referer=/custom/res/content/escheduling/index.php>"here.

For additional assistance, contact customer service at 877-855-4797

Special notes:

Call notes: FEB-01-11 03:39 PM/CT KORVERM USA...changed the date from mar-3-2011 at 3:00 pm/et to mar-17-2011 at 1:00 pm/et, also increased the duration from 1.5 hours to 2 hours per mr. michael hackett at 301-415-7026.

The Conferencing Center would like to send you e-mail notes to keep you informed of new or enhanced products and services, conferencing tips, or special offers, etc. If you would prefer not to receive these messages, you may HYPERLINK "<https://www.mymeetings.com/emeet/remove.jsp>"unsubscribe now. Thank you.

VTC to Regions:

NRC HQ – Sharon Hudson 301-415-7322

Region I – Gina Matakis 610-337-5105

Region II – Pat Miles 404-562-4413

Region III – Pat Buckley 603-829-9657

Region IV - Lucy Owen 817-860-8227

NOTE: The VTC will also be used for the last 30 minutes for OCFO/OEDO to meet with budget contacts.

If you have any questions, please contact George Smolik.

Thank you,

Sharon M. Hudson

Administrative Assistant for the CFO and Deputy CFO

Office of the Chief Financial Officer

301-415-7322

**From:** LIA06 Hoc  
**To:** Hayden, Elizabeth  
**Subject:** FW: Media will be at today's Palo Verde Reception and Care Center (RCC) Drill  
**Date:** Tuesday, March 15, 2011 8:50:52 AM

---

Fyi.

Mark

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

From: LIA06 Hoc  
Sent: Tuesday, March 15, 2011 8:50 AM  
To: Burnell, Scott; Brenner, Eliot  
Subject: FW: Media will be at today's Palo Verde Reception and Care Center (RCC) Drill

FYI-local press may be asking questions about the Japanese event at the Palo Verde drill today.

Mark Lombard, LT Coordinator

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

From: Wright, Lisa (Gibney)  
Sent: Tuesday, March 15, 2011 8:22 AM  
To: LIA01 Hoc; LIA11 Hoc; Howell, Linda  
Subject: Fw: Media will be at today's Palo Verde Reception and Care Center (RCC) Drill

Fyi. Perhaps the ET or our OPA (especially Region 4) would want a heads up

The reception is spotty here at (b)(6) but I am trying to keep a periodic eye on my blackberry.  
We are heading to the (b)(6) today so maybe things will improve  
Sent from my NRC blackberry  
Lisa Gibney

To reach me please call  
(b)(6)

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

From: Ralston, Michelle <Michelle.Ralston@dhs.gov>  
To: Fiore, Craig <craig.fiore@dhs.gov>; Sherwood, Harry <harry.sherwood@dhs.gov>; Quinn, Vanessa <Vanessa.Quinn@dhs.gov>; Greten, Timothy <Timothy.Greten@dhs.gov>; Horwitz, Steve <steve.horwitz@dhs.gov>; Coons, Albert <albert.coons@dhs.gov>  
Cc: Hamill, John <John.Hamill@dhs.gov>; Hudson, Kelly <kelly.hudson@dhs.gov>; Lusk, Jeff <jeffrey.lusk@dhs.gov>; O'Boyle, Seamus <Seamus.O'Boyle@dhs.gov>; Kirin, Alexandra <alexandra.kirin@dhs.gov>  
Sent: Tue Mar 15 07:33:37 2011  
Subject: RE: Media will be at today's Palo Verde Reception and Care Center (RCC) Drill

Craig,

As a courtesy, I will forward this information to our HQ OPA folks. I am certain that the RIX OPA staff have done so, however in the interest of information sharing I promised to share what I receive with them as well.

Please let us know if there is any information or support that Outreach may provide. There are TPs, Facts Sheets, etc. that you might like to have in hand, if do not already.

Thanks!

Respectfully,

HHH/132

Michelle Ralston, MS, PMI  
Public Affairs, Stakeholder Outreach & Campaign Planning  
Professional Services & Integration  
Technological Hazards Division  
Protection & National Preparedness  
DHS/FEMA  
1800 South Bell Street, Rm. 828  
Arlington, VA 22202  
(202) 212-2310 desk  
(b)(6) Blackberry  
(703) 305-0837 facsimile

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

From: Fiore, Craig  
Sent: Tuesday, March 15, 2011 7:27 AM  
To: Sherwood, Harry; Quinn, Vanessa; Greten, Timothy; Horwitz, Steve; Coons, Albert; Ralston, Michelle  
Cc: Hamill, John; Hudson, Kelly; Lusk, Jeff  
Subject: Media will be at today's Palo Verde Reception and Care Center (RCC) Drill

THD Senior Leadership:

At yesterday's Controller/Evaluator Briefing, the Lead Coordinator for this week's RCC Drill here at Palo Verde informed us that there is the real potential that several local media outlets (TV and print) will be present for the Drill later today. It was not certain whether or not any of these media sources will be requesting to ask questions or conduct interviews with FEMA but the indication was that because of the recent EQ/Tsunami/NPP emergency in Japan...I should definitely be prepared to field some questions about the state of REP around Palo Verde and even nationwide.

I'm confident I can appropriately respond to any sort of media inquiries that may come my way over the course of today, but per the direction we received on yesterday's Daily Japanese Emergency SitAwareness Call with the Regions and DHS IP...I wanted to be sure THD HQ was aware that there is the potential for media interaction today down here in Arizona.

Please let me know if you need any additional details regarding this matter. Thank you.

-Craig

-----  
Sent from the BlackBerry of Craig J. Fiore



**From:** Skeen, David  
**To:** Kammerer, Annie  
**Cc:** Howe, Allen; Nelson, Robert; Hiland, Patrick; Stutzke, Martin; Gitter, Joseph; Rihm, Roger; McDermott, Brian; Hasselberg, Rick; Chokshi, Niles; Munson, Clifford; Cook, Christopher; Flanders, Scott; Ross-Lee, MaryJane; Brown, Frederick; Gitter, Joseph; Howe, Allen; Case, Michael; Ruland, William; Dudes, Laura; Karas, Rebecca; Ake, Jon; Munson, Clifford; Hogan, Rosemary; Uhle, Jennifer; Marshall, Michael; Uselding, Lara; Randall, John; Allen, Don; Burnell, Scott; Hayden, Elizabeth; Pires, Jose; Graves, Herman; Candra, Hernando; Murphy, Andrew; Murphy, Andrew; Pires, Jose; Hogan, Rosemary; Sheron, Brian; Dricks, Victor; Warnick, Greg; Reynoso, John; Lantz, Ryan; Markley, Michael  
**Subject:** RE: latest version of Q&As  
**Date:** Tuesday, March 15, 2011 6:18:32 AM

---

Annie,

Thank you for this comprehensive report. It is clear that you, Jon Ake, and Cliff Munson, have made substantial effort to create a document that will be the basis for much of the NRC's communications on seismic and tsunami risk over the coming days. What's more, you pulled this together in a very short time, since you only began working on it on Saturday, when I asked you to come to the Incident Response Center to assist the Reactor Safety Team shortly after the tragic events in Japan occurred. It is folks like you, Jon, and Cliff that make the NRC the outstanding organization that it is.

I would ask that if anyone has comments, to please route them through you, so that you maintain control of the document for the time being. Please let us know when you make revisions to the document.

**From:** Kammerer, Annie  
**Sent:** Tuesday, March 15, 2011 3:41 AM  
**To:** Hiland, Patrick; Skeen, David  
**Cc:** Howe, Allen; Nelson, Robert; Stutzke, Martin; Gitter, Joseph; Rihm, Roger; McDermott, Brian; Hasselberg, Rick; Kammerer, Annie; Chokshi, Niles; Munson, Clifford; Cook, Christopher; Flanders, Scott; Ross-Lee, MaryJane; Brown, Frederick; Gitter, Joseph; Howe, Allen; Case, Michael; Ruland, William; Dudes, Laura; Karas, Rebecca; Ake, Jon; Munson, Clifford; Hogan, Rosemary; Uhle, Jennifer; Marshall, Michael; Uselding, Lara; Randall, John; Allen, Don; Burnell, Scott; Hayden, Elizabeth; Pires, Jose; Graves, Herman; Candra, Hernando; Murphy, Andrew; Murphy, Andrew; Pires, Jose; Hogan, Rosemary; Sheron, Brian; Dricks, Victor; Warnick, Greg; Reynoso, John; Lantz, Ryan; Markley, Michael  
**Subject:** latest version of Q&As

All,

This is the first draft of the seismic-specific Q&As. It is pretty rough and there are many answers still missing, but people have contributed a lot and we thought it may be useful for many people trying to answer questions coming in.

We are continuing to compile the questions that come in and update the seismic Q&A document. If you have suggested changes, or want to provide missing answers, please forward them to me for compilation.

This is a living document and will be updated daily in the foreseeable future.

Annie

Dr. Annie Kammerer, PE  
Senior Seismologist and Earthquake Engineer

HHH/133

US Nuclear Regulatory Commission  
Office of Nuclear Regulatory Research  
Washington DC 20555

(b)(6)

mobile

BB

**From:** [Hayden, Elizabeth](#)  
**To:** ["Jean.GAUVAIN@oecd.org"](mailto:Jean.GAUVAIN@oecd.org)  
**Subject:** Re: NEA/CNRA - WGPC-12 prep meeting Tuesday 15 March at 4 pm  
**Date:** Tuesday, March 15, 2011 5:47:29 AM

---

Thanks. See you soon.

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

From: Jean.GAUVAIN@oecd.org <Jean.GAUVAIN@oecd.org>  
To: Hayden, Elizabeth  
Sent: Tue Mar 15 03:13:37 2011  
Subject: RE: NEA/CNRA - WGPC-12 prep meeting Tuesday 15 March at 4 pm

Hi Beth,

WGPC prep meeting is Tuesday 15 March at 4 pm, 7th floor:  
First go to the ground floor to get your badge.  
Cheers

Jean Gauvain - NEA/NSD - Phone +33 1 45 24 10 52 - Mobile

(b)(6)

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

From: Hayden, Elizabeth [<mailto:Elizabeth.Hayden@nrc.gov>]  
Sent: Tuesday, March 15, 2011 06:26  
To: GAUVAIN Jean, NEA/SURN  
Subject: Re: NEA/CNRA - WGPC-12 meeting will be held as scheduled but with flexibility

Is the prep mtg w/team members on Tues. at 12 noon or later?

HHH/134

**From:** Kammerer, Annie  
**To:** Hiland, Patrick; Skeen, David  
**Cc:** Howe, Allen; Nelson, Robert; Stutzke, Martin; Gitter, Joseph; Rihm, Roger; McDermott, Brian; Hasselberg, Rick; Kammerer, Annie; Chokshi, Nilesh; Munson, Clifford; Cook, Christopher; Flanders, Scott; Ross-Lee, MaryJane; Brown, Frederick; Gitter, Joseph; Howe, Allen; Case, Michael; Buland, William; Dudes, Laura; Karas, Rebecca; Ake, Jon; Munson, Clifford; Hogan, Rosemary; Uhle, Jennifer; Marshall, Michael; Uselding, Lara; Randall, John; Allen, Don; Burnell, Scott; Hayden, Elizabeth; Pires, Jose; Graves, Herman; Candra, Hernando; Murphy, Andrew; Murphy, Andrew; Pires, Jose; Hogan, Rosemary; Sheron, Brian; Dricks, Victor; Warnick, Greg; Reynoso, John; Lantz, Ryan; Markley, Michael  
**Subject:** latest version of Q&As  
**Date:** Tuesday, March 15, 2011 3:40:57 AM  
**Attachments:** Seismic Questions for incident response center 3-15-11 3am.pdf

---

All,

This is the first draft of the seismic-specific Q&As. It is pretty rough and there are many answers still missing, but people have contributed a lot and we thought it may be useful for many people trying to answer questions coming in.

We are continuing to compile the questions that come in and update the seismic Q&A document. If you have suggested changes, or want to provide missing answers, please forward them to me for compilation.

This is a living document and will be updated daily in the foreseeable future.

Annie

Dr. Annie Kammerer, PE  
Senior Seismologist and Earthquake Engineer  
US Nuclear Regulatory Commission  
Office of Nuclear Regulatory Research  
Washington DC 20555

(b)(6) mobile  
BB

HHH/135

**From:** Hayden, Elizabeth  
**To:** McIntyre, David  
**Subject:** Re: AUSTRALIAN EMBASSY INQUIRY  
**Date:** Tuesday, March 15, 2011 2:40:54 AM

---

Probably. Check with them.

---

**From:** McIntyre, David  
**To:** Hayden, Elizabeth; Burnell, Scott; 'ivonne@nrc.gov' <ivonne@nrc.gov>  
**Cc:** Everly, JKeith  
**Sent:** Tue Mar 15 02:03:20 2011  
**Subject:** Re: AUSTRALIAN EMBASSY INQUIRY

Shouldn't this be OIP?

David McIntyre  
NRC Office of Public Affairs

(b)(6) (mobile)

X 301-415-8200 (office)

X Sent from my BlackBerry, which is wholly respnsble for all typos.

---

**From:** Hayden, Elizabeth  
**To:** Burnell, Scott; McIntyre, David; 'ivonne@nrc.gov' <ivonne@nrc.gov>  
**Cc:** Everly, JKeith  
**Sent:** Tue Mar 15 01:23:46 2011  
**Subject:** Fw: AUSTRALIAN EMBASSY INQUIRY

Could someone please followup w/this inquiry if someone hasn't already done so.

**From:** Everly, JKeith  
**To:** Stahl, Eric; Hayden, Elizabeth  
**Sent:** Mon Mar 14 16:35:37 2011  
**Subject:** AUSTRALIAN EMBASSY INQUIRY

Eric and Beth:

I just got a call from a Mr. Ben Milton of the Australian Embassy in WDC. He wanted to know what actions if any the NRC was taking as a result of the earthquake and tsunami in Japan. I told Mr. Milton that I would refer his inquiry to you both for a response. Mr. Milton's number is 202-797-3229.

J. Keith Everly  
Senior Program Manager (Licensee Security)  
Information Security Branch  
Division of Security Operations  
Office of Nuclear Security and Incident Response

(O)301-415-7048 (C) (b)(6) (FAX)301-415-2190 (Blackberry) (b)(6)

HHN/136

**From:** Hayden, Elizabeth  
**To:** Couret, Ivonne  
**Subject:** Re: WEB STUFF Today  
**Date:** Tuesday, March 15, 2011 1:26:08 AM

---

Why are we putting captions that are as long as press releases?

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

From: Couret, Ivonne  
To: Hayden, Elizabeth  
Sent: Mon Mar 14 11:25:05 2011  
Subject: WEB STUFF Today

Here are some images today

Last caption suggestion reads

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. The NRC has sent two boiling-water reactor experts to Japan as part of a U.S. Agency for International Development team. 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.

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs

O (301) 415-8205  
[ivonne.couret@nrc.gov](mailto: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/QCM/opa/blog/default.aspx>

Please consider the environmental impact before printing this email.

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

From: Greenwood, Krystal On Behalf Of AV-PHOTO Resource  
Sent: Monday, March 14, 2011 10:24 AM  
To: Couret, Ivonne; AV-PHOTO Resource  
Subject: RE: Photographer needed at Ops center now

Good Morning:

Please find attached images.

Thank you,

Krystal Greenwood  
3 Links Technologies  
AudioVisual Support Contractor  
U.S. Nuclear Regulatory Commission

HHH/137

Location: T6E8  
Mailstop: T6E20  
Tel. 301-415-6851  
Krystal.Greenwood@nrc.gov

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

From: Couret, Ivonne  
Sent: Monday, March 14, 2011 9:15 AM  
To: AV-PHOTO Resource  
Subject: Photographer needed at Ops center now

Sent from an NRC BlackBerry  
Ivonne L. Couret

(b)(6)

**From:** Coyne, Kevin  
**To:** Salley, MarkHenry  
**Subject:** RE: IRC Staffing  
**Date:** Wednesday, March 16, 2011 10:01:00 AM

---

Anyone else in your branch to offer up? You were already on our list ☺

**From:** Salley, MarkHenry  
**Sent:** Wednesday, March 16, 2011 10:00 AM  
**To:** Coyne, Kevin  
**Subject:** RE: IRC Staffing

Kevin,

I'm a "call-in" for Fire Protection Expertise in the IRC and have participated in drills and two actual events, so please feel free to volunteer me for that.

As for Japan, if they would like an FPE, again, please feel free to volunteer me for that duty.

MHS

**From:** Coyne, Kevin  
**Sent:** Tuesday, March 15, 2011 7:49 PM  
**To:** Marksberry, Don; Beasley, Benjamin; Peters, Sean; Ott, William; Salley, MarkHenry; Kuritzky, Alan  
**Cc:** Ibarra, Jose; Coe, Doug; Correia, Richard  
**Subject:** Fw: IRC Staffing

BC's -

Please see below request from Brian and note that IRC experience/trng is not needed. Please identify folks that could support the irc effort and provide their names, availability, and shift preferences to Jose by 11 am Wednesday morning. We are looking for systems analysis, severe accidents, radiological dose assessment experience.

Also, we'll need to provide a standby list for folks willing to go to Japan - very strong technical skills and good communications ability are a must.

Thanks!

Kevin

Sent from an NRC Blackberry  
Kevin Coyne

(b)(6)

**From:** Sheron, Brian  
**To:** Coyne, Kevin; Case, Michael; Coe, Doug; Correia, Richard; Gibson, Kathy; Lui, Christiana; Richards, Stuart; Sangimino, Donna-Marie; Scott, Michael; Uhle, Jennifer; Valentin, Andrea  
**Cc:** Dion, Jeanne  
**Sent:** Tue Mar 15 17:27:11 2011  
**Subject:** IRC Staffing

HHH/138



I participated on a conference call with other ODs and led by Michele Evans, acting deputy OD in NSIR at 4 pm today.

The purpose of the conference call was to discuss staffing for the IRC for the near future. The IRC is currently staffed with members of the Reactor safety team, the Protective Measures team, Liaison Team, etc. There is also an ET member there. None of the teams are at their full compliment. What Michele is looking for is people that can staff the IRC and relieve the staff that are currently there. She said they are currently running 3 shifts (11pm-7am, 7am – 3pm, and 3pm to 11 pm). They would like to find staff that can work shifts for 4 days in a row (I think she wants 4 days on, 3 days off). She said the staff do not have to have had IRC training.

Several of us said we would certainly canvas our staff to see who was qualified to work in the IRC and could work there, but we needed to know what technical disciplines they were looking for. Michele did not have a list of needed disciplines, but said she would generate one and send it out. As of 5:15 pm I have not received a list yet.

However, I am assuming they will be looking for staff with expertise in such areas as systems analysis, severe accidents, radiological dose assessment, etc. In anticipation that these are the technical disciplines of interest, can you please start identifying your staff that you believe have some of the requisite skills needed for the IRC, and start asking if they would be available to work shifts in the IRC if asked to. HR said they would be eligible for normal overtime compensation.

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I will forward the list of desired disciplines as soon as I receive them from Michele. Michele said she will be looking for the list of potential IRC replacements by COB tomorrow (3/16/11), thus, I will need your candidates by mid-afternoon.

For the team that will replace the one that was just sent to Japan, she said she would like us to update the list we previously sent by COB 3/17.

**Ward, Steven**

---

**From:** Ward, Steven  
**Sent:** Wednesday, March 16, 2011 11:10 AM  
**To:** 'Mary Beth Nikitin'  
**Subject:** RE: FW: Australian Embassy - event

Mary Beth,

Try NRC's Office of Congressional Affairs (OCA). You can also try our Office of Public Affairs (OPA), but their lines might be more tied up with the public. I'm also including some links to press releases from NRC describing some technical assistance activities. These might actually answer your questions without making any calls (could save you a bunch of time on hold). NRC has also recently put out a SitRep that should be distributed among federal agencies. I'll forward that to you in another email.

NRC Press Releases <http://www.nrc.gov/reading-rm/doc-collections/news/2011/#mar>

Office of Congressional Affairs (OCA)

Raeann Shane, Senior Federal /External Affairs Officer  
Phone: 301-415-1699 \* Email: [Raeann.Shane@nrc.gov](mailto:Raeann.Shane@nrc.gov)

These are the OCA Administrative Assistants, they should know who is actually in today (we are staffing 24/7 so it's not business as usual)

Jeannette Quesenberry 301-415-7380

Nancy Belmore 301-415-1776

Office of Public Affairs Mainline 301-415-8200

Hope something hear helps. If not I have other contacts!

Steve

---

**From:** Mary Beth Nikitin [<mailto:MNIKITIN@crs.loc.gov>]  
**Sent:** Wednesday, March 16, 2011 10:53 AM  
**To:** Ward, Steven  
**Subject:** Re: FW: Australian Embassy - event

Hello, Steve, I am trying to get a clear picture of US nuclear-related technical assistance to Japan for the crisis at Fukushima. Do you know whom I should contact at NRC about this? It is for a time-sensitive congressional request.

THANKS,  
Mary Beth

Mary Beth Nikitin  
Analyst in WMD Nonproliferation  
Foreign Affairs, Defense and Trade Division  
Congressional Research Service  
(202) 707-7745  
[MNikitin@crs.loc.gov](mailto:MNikitin@crs.loc.gov)

>>> "Ward, Steven" <[Steven.Ward@nrc.gov](mailto:Steven.Ward@nrc.gov)> 3/15/2011 6:36 PM >>>

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- FYI This may be of interest to some of you or some of your colleagues. It is short notice though to RSVP. Kevin Witt from ANS received this today and sent it to me in case anyone is interested. -Steve

---

**From:** Witt, Kevin  
**Sent:** Tuesday, March 15, 2011 4:42 PM  
**To:** Ward, Steven  
**Subject:** FW: Australian Embassy - event

---

**From:** Paul-Adler (Washington) [mailto:Paul.Adler@austrade.gov.au]  
**Sent:** Tuesday, March 15, 2011 4:41 PM  
**To:** Witt, Kevin  
**Subject:** Australian Embassy - event

Kevin,

The Australian Ambassador to the U.S. is hosting a reception on the evening of March 31<sup>st</sup> at the Australian Embassy in DC. The topic is the Future of Extended Nuclear Deterrence in Asia and the speaker is Professor Andrew O'Neil, Director, Griffith Asia Institute, Griffith University, Queensland. The reception starts at 6:30pm and the location is 1601 Massachusetts Ave, NW. I am contacting you because of your interest and involvement with the local ANS chapter. For anyone who would like to attend I need their name, title, organization, email address and phone number by 11:30 am tomorrow, Wednesday.

Regards,

Paul

Paul Adler  
Australian Trade Commission | Embassy of Australia  
1601 Massachusetts Ave NW | Washington DC 20036  
✉ paul.adler@austrade.gov.au | ☎ 202 797 3157 | (b)(6) 202 797 3300

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**From:** Rheaume, Cynthia  
**To:** Layton, Michael  
**Cc:** Correia, Richard  
**Subject:** RE: Additional Staff requirements outside Ops Center Long Term Staffing  
**Date:** Wednesday, March 16, 2011 6:10:06 PM

---

Thanks Mike! I will add them to the list.

*Cynthia Rheaume*

Director, Program Management, Policy  
Development and Analysis  
Nuclear Security and Incident Response  
(301)415-6538  
Cynthia.Rheaume@nrc.gov



**From:** Layton, Michael  
**Sent:** Wednesday, March 16, 2011 6:07 PM  
**To:** Rheaume, Cynthia  
**Cc:** Correia, Richard  
**Subject:** FW: Additional Staff requirements outside Ops Center Long Term Staffing

A few more.

**From:** Erlanger, Craig  
**Sent:** Wednesday, March 16, 2011 6:02 PM  
**To:** Correia, Richard; Layton, Michael  
**Subject:** Fw: Additional Staff requirements outside Ops Center Long Term Staffing

Other than John (see below), others do not have PA experience but really want to help. As of now, they include: Stella, Mandy, Mark R., and Perry.

Craig

Sent from an NRC blackberry

(b)(6)

Craig Erlanger

**From:** Tomlinson, John  
**To:** Erlanger, Craig  
**Sent:** Wed Mar 16 11:50:57 2011  
**Subject:** RE: Additional Staff requirements outside Ops Center Long Term Staffing

Craig, I was the DAD for USSS in Public Affairs and still do some media relations. Not sure that is what they are looking for, but wanted you to have it jic. I did not see attachment for "position quals" so I am speculating a bit.

**From:** Erlanger, Craig  
**Sent:** Wednesday, March 16, 2011 10:51 AM  
**To:** Baxter, Brad; Biddison, John; Chalk, Wayne; Coflin, Monika; Cubellis, Louis; Harris, Paul; Lee, Eric;

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Nerret, Amanda; Opara, Stella; Pederson, Perry; Resner, Mark; Rycyna, John; Tomlinson, John  
**Subject:** FW: Additional Staff requirements outside Ops Center Long Term Staffing

Please let me know ASAP. Thanks

**From:** Correia, Richard  
**Sent:** Wednesday, March 16, 2011 10:50 AM  
**To:** Wastler, Sandra; Caldwell, Robert; Erlanger, Craig; Huyck, Doug; Shropshire, Alan  
**Subject:** FW: Additional Staff requirements outside Ops Center Long Term Staffing

Please let me know ASAP if we have anyone that meets the "quals" below to assist OIP and if they would be willing to assist.

thx

**From:** Rheume, Cynthia  
**Sent:** Wednesday, March 16, 2011 10:45 AM  
**To:** Holahan, Patricia; Layton, Michael; Correia, Richard; Westreich, Barry  
**Subject:** RE: Additional Staff requirements outside Ops Center Long Term Staffing

All - Do we have anyone who would fit the bill?

*Cynthia Rheume*

Director, Program Management, Policy  
Development and Analysis  
Nuclear Security and Incident Response  
(301)415-6538  
Cynthia.Rheume@nrc.gov



**From:** Evans, Michele  
**Sent:** Wednesday, March 16, 2011 9:38 AM  
**To:** Abraham, Susan; Rheume, Cynthia  
**Cc:** Holahan, Patricia; Correia, Richard; Layton, Michael; Westreich, Barry  
**Subject:** FW: Additional Staff requirements outside Ops Center Long Term Staffing  
**Importance:** High

Susan/Cyndi,

Please handle this for NSIR and respond if we have anyone. Maybe other parts of NSIR (not DPR) can help out with this request.

thanks

**From:** Muessle, Mary  
**Sent:** Wednesday, March 16, 2011 9:32 AM  
**To:** Evans, Michele; Hackett, Edwin; Brenner, Eliot; Schmidt, Rebecca; Powell, Amy; Droggitis, Spiros; Doane, Margaret; Mamish, Nader; Dyer, Jim; Brown, Milton; Greene, Kathryn; Stewart, Sharon; Howard, Patrick; Miller, Charles; Moore, Scott; Cohen, Miriam; Tracy, Glenn; Haney, Catherine; Dorman, Dan; Johnson, Michael; Holahan, Gary; Leeds, Eric; Boger, Bruce; Grobe, Jack; Zimmerman, Roy; Campbell,

Andy; Sheron, Brian; Uhle, Jennifer; Dean, Bill; Lew, David; McCree, Victor; Wert, Leonard; Casto, Chuck; Satorius, Mark; Pederson, Cynthia; Collins, Elmo; Howell, Art; Andersen, James; Akstulewicz, Brenda; Belmore, Nancy; Quesenberry, Jeannette; Kreuter, Jane; Armstrong, Janine; Hudson, Sharon; Ellis, Marv; Hasan, Nasreen; Ronewicz, Lynn; Schumann, Stacy; Daniels, Stanley; Casby, Marcia; Thomas, Loretta; Walker, Dwight; Sprogeris, Patricia; Schwarz, Sherry; Ross, Robin; Cohen, Shari; Riddick, Nicole; Flory, Shirley; Veltri, Debra; Matakas, Gina; ODaniell, Cynthia; Miles, Patricia; Lee, Pamela; Dubose, Sheila; Buckley, Patricia; Tomczak, Tammy; Owen, Lucy; Tannenbaum, Anita; Gusack, Barbara; Harrington, Holly; Ricketts, Paul; Howell, Linda; Higginbotham, Tina; Ross, Brenda; Boyce, Thomas (OIS); Schaeffer, James; Jackson, Donald

**Cc:** Williams, Shawn; Andersen, James; Ramsey, Jack

**Subject:** Additional Staff requirements outside Ops Center Long Term Staffing

**Importance:** High

OPA and OIP expect large call volumes today and in the next few weeks given expected news from Japan. OIP is looking for names of people who have desk officer or other OIP or international experience to assist them in the event that current staff cannot meet the work demands for call inquiries as well as ongoing international work. Please provide Shawn Williams and I a list of names that could serve to help OIP in this capacity and their general availability over the next week and month. It is difficult to determine the need level at this time, but as in the Op Center, it is anticipated OIP will have for an additional month. We would like the list of names by COB today.

Thanks

Mary

Mary Muessle

Assistant for Operations - Acting

Office of the Executive Director for Operations

U.S. Nuclear Regulatory Commission

301-415-1703 office

301-415-2700 fax

**From:** Evans, Michele

**Sent:** Tuesday, March 15, 2011 5:53 PM

**To:** Hackett, Edwin; Brenner, Eliot; Schmidt, Rebecca; Powell, Amy; Droggitis, Spiros; Doane, Margaret; Mamish, Nader; Dyer, Jim; Brown, Milton; Greene, Kathryn; Stewart, Sharon; Howard, Patrick; Miller, Charles; Moore, Scott; Cohen, Miriam; Tracy, Glenn; Haney, Catherine; Dorman, Dan; Johnson, Michael; Holahan, Gary; Leeds, Eric; Boger, Bruce; Grobe, Jack; Zimmerman, Roy; Campbell, Andy; Sheron, Brian; Uhle, Jennifer; Dean, Bill; Lew, David; McCree, Victor; Wert, Leonard; Casto, Chuck; Satorius, Mark; Pederson, Cynthia; Collins, Elmo; Howell, Art; Muessle, Mary; Andersen, James; Akstulewicz, Brenda; Belmore, Nancy; Quesenberry, Jeannette; Kreuter, Jane; Armstrong, Janine; Hudson, Sharon; Ellis, Marv; Hasan, Nasreen; Ronewicz, Lynn; Schumann, Stacy; Daniels, Stanley; Casby, Marcia; Thomas, Loretta; Walker, Dwight; Sprogeris, Patricia; Schwarz, Sherry; Ross, Robin; Cohen, Shari; Riddick, Nicole; Flory, Shirley; Veltri, Debra; Matakas, Gina; ODaniell, Cynthia; Miles, Patricia; Lee, Pamela; Dubose, Sheila; Buckley, Patricia; Tomczak, Tammy; Owen, Lucy; Tannenbaum, Anita; Gusack, Barbara; Harrington, Holly; Ricketts, Paul; Howell, Linda; Higginbotham, Tina; Ross, Brenda; Boyce, Thomas (OIS); Schaeffer, James; Jackson, Donald

**Subject:** Follow-up from 4 pm teleconference on Ops Center Long Term Staffing

Everyone,

Please find attached 1) a list of current positions being staffed in the Ops Center and 2) the staff identified as available to support in Japan.

Regarding additional staff available to support in the ops center, the primary needs are for the specialized positions on the PMT and anyone with previous international experience in OIP.

Regarding support in Japan, please provide any updates/changes to the list by COB March 17. The target time frame for sending these staff members is March 27-April 9, so please consider that when considering staff to put on the list.

Thanks for your support.

*Michele*

**From:** Peters, Sean  
**To:** Coyne, Kevin; Marksberry, Don; Beasley, Benjamin; Ott, William; Salley, MarkHenry; Kuritzky, Alan  
**Cc:** Ibarra, Jose; Coe, Doug; Correia, Richard  
**Subject:** RE: IRC Staffing  
**Date:** Wednesday, March 16, 2011 10:36:41 AM

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James Chang (PRA, HRA expertise) would like to volunteer for the IRC.

**From:** Coyne, Kevin  
**Sent:** Tuesday, March 15, 2011 7:49 PM  
**To:** Marksberry, Don; Beasley, Benjamin; Peters, Sean; Ott, William; Salley, MarkHenry; Kuritzky, Alan  
**Cc:** Ibarra, Jose; Coe, Doug; Correia, Richard  
**Subject:** Fw: IRC Staffing

BC's -

Please see below request from Brian and note that IRC experience/trng is not needed. Please identify folks that could support the irc effort and provide their names, availability, and shift preferences to Jose by 11 am Wednesday morning. We are looking for systems analysis, severe accidents, radiological dose assessment experience.

Also, we'll need to provide a standby list for folks willing to go to Japan - very strong technical skills and good communications ability are a must.

Thanks!

Kevin

Sent from an NRC Blackberry  
Kevin Coyne

(b)(6)

**From:** Sheron, Brian  
**To:** Coyne, Kevin; Case, Michael; Coe, Doug; Correia, Richard; Gibson, Kathy; Lui, Christiana; Richards, Stuart; Sangimino, Donna-Marie; Scott, Michael; Uhle, Jennifer; Valentin, Andrea  
**Cc:** Dion, Jeanne  
**Sent:** Tue Mar 15 17:27:11 2011  
**Subject:** IRC Staffing

I participated on a conference call with other ODs and led by Michele Evans, acting deputy OD in NSIR at 4 pm today.

The purpose of the conference call was to discuss staffing for the IRC for the near future. The IRC is currently staffed with members of the Reactor safety team, the Protective Measures team, Liaison Team, etc. There is also an ET member there. None of the teams are at their full compliment. What Michele is looking for is people that can staff the IRC and relieve the staff that are currently there. She said they are currently running 3 shifts (11pm-7am, 7am - 3pm, and 3pm to 11 pm). They would like to find staff that can work shifts for 4 days in a row (I think she wants 4 days on, 3 days off). She said the staff do not have to have had IRC training.

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HHH/142



the IRC and could work there, but we needed to know what technical disciplines they were looking for. Michele did not have a list of needed disciplines, but said she would generate one and send it out. As of 5:15 pm I have not received a list yet.

However, I am assuming they will be looking for staff with expertise in such areas as systems analysis, severe accidents, radiological dose assessment, etc. In anticipation that these are the technical disciplines of interest, can you please start identifying your staff that you believe have some of the requisite skills needed for the IRC, and start asking if they would be available to work shifts in the IRC if asked to. HR said they would be eligible for normal overtime compensation.

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I will forward the list of desired disciplines as soon as I receive them from Michele. Michele said she will be looking for the list of potential IRC replacements by COB tomorrow (3/16/11), thus, I will need your candidates by mid-afternoon.

For the team that will replace the one that was just sent to Japan, she said she would like us to update the list we previously sent by COB 3/17.

**From:** Salley, MarkHenry  
**To:** Coyne, Kevin  
**Cc:** Ibarra, Jose  
**Subject:** RE: IRC Staffing  
**Date:** Wednesday, March 16, 2011 11:00:52 AM

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All are available as needed;

Stroup – Fire Protection  
Hill - General  
Taylor – Electrical Engineering/Fire Protection  
Melly (NSPDP) – Fire Protection  
Gonzalez (should be OK, but I need to confirm)- Chemical Engineering/Fuel Cycle

**From:** Coyne, Kevin  
**Sent:** Wednesday, March 16, 2011 10:57 AM  
**To:** Salley, MarkHenry  
**Cc:** Ibarra, Jose  
**Subject:** RE: IRC Staffing

Mark –

Need availability and expertise information also – please send asap

**From:** Salley, MarkHenry  
**Sent:** Wednesday, March 16, 2011 10:23 AM  
**To:** Coyne, Kevin  
**Subject:** RE: IRC Staffing

For IRC Staffing from FRB:

Stroup  
Hill  
Taylor  
Melly (NSPDP)  
Gonzalez (should be OK, but I need to confirm)

**From:** Coyne, Kevin  
**Sent:** Wednesday, March 16, 2011 10:01 AM  
**To:** Salley, MarkHenry  
**Subject:** RE: IRC Staffing

Anyone else in your branch to offer up? You were already on our list ☺

**From:** Salley, MarkHenry  
**Sent:** Wednesday, March 16, 2011 10:00 AM  
**To:** Coyne, Kevin  
**Subject:** RE: IRC Staffing

HHH/142

Kevin,

I'm a "call-in" for Fire Protection Expertise in the IRC and have participated in drills and two actual events, so please feel free to volunteer me for that.

As for Japan, if they would like an FPE, again, please feel free to volunteer me for that duty.

MHS

**From:** Coyne, Kevin

**Sent:** Tuesday, March 15, 2011 7:49 PM

**To:** Marksberry, Don; Beasley, Benjamin; Peters, Sean; Ott, William; Salley, MarkHenry; Kuritzky, Alan

**Cc:** Ibarra, Jose; Coe, Doug; Correia, Richard

**Subject:** Fw: IRC Staffing

BC's -

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Also, we'll need to provide a standby list for folks willing to go to Japan - very strong technical skills and good communications ability are a must.

Thanks!

Kevin

Sent from an NRC Blackberry

Kevin Coyne

(b)(6)

**From:** Sheron, Brian

**To:** Coyne, Kevin; Case, Michael; Coe, Doug; Correia, Richard; Gibson, Kathy; Lui, Christiana; Richards, Stuart; Sangimino, Donna-Marie; Scott, Michael; Uhle, Jennifer; Valentin, Andrea

**Cc:** Dion, Jeanne

**Sent:** Tue Mar 15 17:27:11 2011

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**To:** Coyne, Kevin  
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**Date:** Wednesday, March 16, 2011 10:00:32 AM

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(b)(6)

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**From:** Kuritzky, Alan  
**To:** Coyne, Kevin  
**Subject:** RE: IRC Staffing  
**Date:** Wednesday, March 16, 2011 7:46:05 AM

---

For systems analysis, I assume you are referring to system thermal-hydraulic analysis, not fault tree/reliability analysis? Also, for Japan, at this time, I assume the focus is on the latter two areas (severe accident progression and dose assessment)?

**From:** Coyne, Kevin  
**Sent:** Tuesday, March 15, 2011 7:49 PM  
**To:** Marksberry, Don; Beasley, Benjamin; Peters, Sean; Ott, William; Salley, MarkHenry; Kuritzky, Alan  
**Cc:** Ibarra, Jose; Coe, Doug; Correia, Richard  
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(b)(6)

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I will forward the list of desired disciplines as soon as I receive them from Michele. Michele said she will be looking for the list of potential IRC replacements by COB tomorrow (3/16/11), thus, I will need your candidates by mid-afternoon.

For the team that will replace the one that was just sent to Japan, she said she would like us to update the list we previously sent by COB 3/17.



**From:** Beasley, Benjamin  
**To:** Ibarra, Jose  
**Cc:** Coyne, Kevin  
**Subject:** FW: IRC Staffing  
**Date:** Wednesday, March 16, 2011 10:44:43 AM

---

Jose,

The following staff are volunteering as indicated:

| Name            | Availability | Experience                            | IRC<br>day<br>shift | IRC<br>evening<br>shift | IRC<br>night<br>shift | Japan  |
|-----------------|--------------|---------------------------------------|---------------------|-------------------------|-----------------------|--------|
| Ben Beasley     | Immediately  | Systems analysis, severe accidents    | Yes                 | Yes                     | Yes                   | (b)(6) |
| Larry Criscione | March 22     | Systems analysis, operations          | Yes                 | Yes                     | Yes                   |        |
| Jose Ibarra     | Immediately  | Systems analysis                      | Yes                 | Yes                     | No                    |        |
| John Kauffman   | Immediately  | Systems analysis (Mark I SRO)         | Yes                 | Yes                     | Yes                   |        |
| John Lane       | Immediately  | Severe accidents, Containment systems | No                  | Yes                     | Yes                   |        |

Ben

**From:** Coyne, Kevin  
**Sent:** Tuesday, March 15, 2011 7:49 PM  
**To:** Marksberry, Don; Beasley, Benjamin; Peters, Sean; Ott, William; Salley, MarkHenry; Kuritzky, Alan  
**Cc:** Ibarra, Jose; Coe, Doug; Correia, Richard  
**Subject:** Fw: IRC Staffing

BC's -

Please see below request from Brian and note that IRC experience/trng is not needed. Please identify folks that could support the irc effort and provide their names, availability, and shift preferences to Jose by 11 am Wednesday morning. We are looking for systems analysis, severe accidents, radiological dose assessment experience.

Also, we'll need to provide a standby list for folks willing to go to Japan - very strong technical skills and good communications ability are a must.

Thanks!

Kevin

HHH/145

Sent from an NRC Blackberry  
Kevin Coyne

(b)(6)

**From:** Sheron, Brian  
**To:** Coyne, Kevin; Case, Michael; Coe, Doug; Correia, Richard; Gibson, Kathy; Lui, Christiana; Richards, Stuart; Sangimino, Donna-Marie; Scott, Michael; Uhle, Jennifer; Valentin, Andrea  
**Cc:** Dion, Jeanne  
**Sent:** Tue Mar 15 17:27:11 2011  
**Subject:** IRC Staffing

I participated on a conference call with other ODs and led by Michele Evans, acting deputy OD in NSIR at 4 pm today.

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**From:** Salley, MarkHenry  
**To:** Coyne, Kevin  
**Subject:** RE: IRC Staffing  
**Date:** Wednesday, March 16, 2011 10:22:44 AM

---

For IRC Staffing from FRB:

Stroup  
Hill  
Taylor  
Melly (NSPDP)  
Gonzalez (should be OK, but I need to confirm)

**From:** Coyne, Kevin  
**Sent:** Wednesday, March 16, 2011 10:01 AM  
**To:** Salley, MarkHenry  
**Subject:** RE: IRC Staffing

Anyone else in your branch to offer up? You were already on our list ☺

**From:** Salley, MarkHenry  
**Sent:** Wednesday, March 16, 2011 10:00 AM  
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**Subject:** RE: IRC Staffing

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MHS

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**To:** Marksberry, Don; Beasley, Benjamin; Peters, Sean; Ott, William; Salley, MarkHenry; Kuritzky, Alan  
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HHH/146

Kevin

Sent from an NRC Blackberry  
Kevin Coyne

(b)(6)

**From:** Sheron, Brian

**To:** Coyne, Kevin; Case, Michael; Coe, Doug; Correia, Richard; Gibson, Kathy; Lui, Christiana; Richards, Stuart; Sangimino, Donna-Marie; Scott, Michael; Uhle, Jennifer; Valentin, Andrea

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us to update the list we previously sent by COB 3/17.

**From:** Salley, MarkHenry  
**To:** Coyne, Kevin  
**Subject:** RE: IRC Staffing  
**Date:** Wednesday, March 16, 2011 10:02:02 AM

---

Checking.....

**From:** Coyne, Kevin  
**Sent:** Wednesday, March 16, 2011 10:01 AM  
**To:** Salley, MarkHenry  
**Subject:** RE: IRC Staffing

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MHS

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Thanks!

Kevin

Sent from an NRC Blackberry

Kevin Coyne

(b)(6)

HHH/147

**From:** Sheron, Brian

**To:** Coyne, Kevin; Case, Michael; Coe, Doug; Correia, Richard; Gibson, Kathy; Lui, Christiana; Richards, Stuart; Sangimino, Donna-Marie; Scott, Michael; Uhle, Jennifer; Valentin, Andrea

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**From:** Peters, Sean  
**To:** Coyne, Kevin; Marksberry, Don; Beasley, Benjamin; Ott, William; Salley, MarkHenry; Kuritzky, Alan  
**Cc:** Ibarra, Jose; Coe, Doug; Correia, Richard  
**Subject:** RE: IRC Staffing  
**Date:** Wednesday, March 16, 2011 10:36:41 AM

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James Chang (PRA, HRA expertise) would like to volunteer for the IRC.

**From:** Coyne, Kevin  
**Sent:** Tuesday, March 15, 2011 7:49 PM  
**To:** Marksberry, Don; Beasley, Benjamin; Peters, Sean; Ott, William; Salley, MarkHenry; Kuritzky, Alan  
**Cc:** Ibarra, Jose; Coe, Doug; Correia, Richard  
**Subject:** Fw: IRC Staffing

BC's -

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Thanks!

Kevin

Sent from an NRC Blackberry  
Kevin Coyne

(b)(6)

**From:** Sheron, Brian  
**To:** Coyne, Kevin; Case, Michael; Coe, Doug; Correia, Richard; Gibson, Kathy; Lui, Christiana; Richards, Stuart; Sangimino, Donna-Marie; Scott, Michael; Uhle, Jennifer; Valentin, Andrea  
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HHH/K8



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**From:** Lui, Christiana  
**To:** Coyne, Kevin  
**Subject:** RE: Follow-up from 4 pm teleconference on Ops Center Long Term Staffing  
**Date:** Wednesday, March 16, 2011 9:29:30 AM

---

No problem. Just want to make sure you have the information to do your job. I guess it's a good thing that Brian has not taken me off his standard dist'n list.

**From:** Coyne, Kevin  
**Sent:** Wednesday, March 16, 2011 9:23 AM  
**To:** Lui, Christiana  
**Subject:** Re: Follow-up from 4 pm teleconference on Ops Center Long Term Staffing

Thanks Chris!

Sent from an NRC Blackberry

Kevin Coyne

(b)(6)

**From:** Lui, Christiana  
**To:** Coyne, Kevin  
**Sent:** Wed Mar 16 09:08:25 2011  
**Subject:** FW: Follow-up from 4 pm teleconference on Ops Center Long Term Staffing

**From:** Sheron, Brian  
**Sent:** Wednesday, March 16, 2011 7:41 AM  
**To:** Case, Michael; Coe, Doug; Correia, Richard; Gibson, Kathy; Lui, Christiana; Richards, Stuart; Sangimino, Donna-Marie; Scott, Michael; Uhle, Jennifer; Valentin, Andrea  
**Subject:** FW: Follow-up from 4 pm teleconference on Ops Center Long Term Staffing

Here is the list of expertise the Op center is looking for.

**From:** Evans, Michele  
**Sent:** Tuesday, March 15, 2011 5:53 PM  
**To:** Hackett, Edwin; Brenner, Eliot; Schmidt, Rebecca; Powell, Amy; Droggitis, Spiros; Doane, Margaret; Mamish, Nader; Dyer, Jim; Brown, Milton; Greene, Kathryn; Stewart, Sharon; Howard, Patrick; Miller, Charles; Moore, Scott; Cohen, Miriam; Tracy, Glenn; Haney, Catherine; Dorman, Dan; Johnson, Michael; Holahan, Gary; Leeds, Eric; Boger, Bruce; Grobe, Jack; Zimmerman, Roy; Campbell, Andy; Sheron, Brian; Uhle, Jennifer; Dean, Bill; Lew, David; McCree, Victor; Wert, Leonard; Casto, Chuck; Satorius, Mark; Pederson, Cynthia; Collins, Elmo; Howell, Art; Muessle, Mary; Andersen, James; Akstulewicz, Brenda; Belmore, Nancy; Quesenberry, Jeannette; Kreuter, Jane; Armstrong, Janine; Hudson, Sharon; Ellis, Mary; Hasan, Nasreen; Ronewicz, Lynn; Schumann, Stacy; Daniels, Stanley; Casby, Marcia; Thomas, Loretta; Walker, Dwight; Sprogeris, Patricia; Schwarz, Sherry; Ross, Robin; Cohen, Shari; Riddick, Nicole; Flory, Shirley; Veltri, Debra; Matakas, Gina; ODaniell, Cynthia; Miles, Patricia; Lee, Pamela; Dubose, Sheila; Buckley, Patricia; Tomczak, Tammy; Owen, Lucy; Tannenbaum, Anita; Gusack, Barbara; Harrington, Holly; Ricketts, Paul; Howell, Linda; Higginbotham, Tina; Ross, Brenda; Boyce, Thomas (OIS); Schaeffer, James; Jackson, Donald  
**Subject:** Follow-up from 4 pm teleconference on Ops Center Long Term Staffing

Everyone,

HHH/149

Please find attached 1) a list of current positions being staffed in the Ops Center and 2) the staff identified as available to support in Japan.

Regarding additional staff available to support in the ops center, the primary needs are for the specialized positions on the PMT and anyone with previous international experience in OIP.

Regarding support in Japan, please provide any updates/changes to the list by COB March 17. The target time frame for sending these staff members is March 27-April 9, so please consider that when considering staff to put on the list.

Thanks for your support.

*Michele*

**From:** Coyne, Kevin  
**To:** Salley, MarkHenry  
**Cc:** Ibarra, Jose  
**Subject:** RE: IRC Staffing  
**Date:** Wednesday, March 16, 2011 10:56:00 AM

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Mark –

Need availability and expertise information also – please send asap

**From:** Salley, MarkHenry  
**Sent:** Wednesday, March 16, 2011 10:23 AM  
**To:** Coyne, Kevin  
**Subject:** RE: IRC Staffing

For IRC Staffing from FRB:

Stroup  
Hill  
Taylor  
Melly (NSPDP)  
Gonzalez (should be OK, but I need to confirm)

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**Sent:** Wednesday, March 16, 2011 10:01 AM  
**To:** Salley, MarkHenry  
**Subject:** RE: IRC Staffing

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MHS

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**Cc:** Ibarra, Jose; Coe, Doug; Correia, Richard  
**Subject:** Fw: IRC Staffing

HHH/150

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Thanks!

Kevin

Sent from an NRC Blackberry

Kevin Coyne

(b)(6)

**From:** Sheron, Brian

**To:** Coyne, Kevin; Case, Michael; Coe, Doug; Correia, Richard; Gibson, Kathy; Lui, Christiana; Richards, Stuart; Sangimino, Donna-Marie; Scott, Michael; Uhle, Jennifer; Valentin, Andrea

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**From:** Layton, Michael  
**To:** Rheame, Cynthia  
**Cc:** Correia, Richard  
**Subject:** FW: Additional Staff requirements outside Ops Center Long Term Staffing  
**Date:** Wednesday, March 16, 2011 6:07:14 PM

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A few more.

**From:** Erlanger, Craig  
**Sent:** Wednesday, March 16, 2011 6:02 PM  
**To:** Correia, Richard; Layton, Michael  
**Subject:** Fw: Additional Staff requirements outside Ops Center Long Term Staffing

Other than John (see below), others do not have PA experience but really want to help. As of now, they include: Stella, Mandy, Mark R., and Perry.

Craig

Sent from an NRC blackberry

(b)(6)

Craig Erlanger

**From:** Tomlinson, John  
**To:** Erlanger, Craig  
**Sent:** Wed Mar 16 11:50:57 2011  
**Subject:** RE: Additional Staff requirements outside Ops Center Long Term Staffing

Craig, I was the DAD for USSS in Public Affairs and still do some media relations. Not sure that is what they are looking for, but wanted you to have it jic. I did not see attachment for "position quals" so I am speculating a bit.

**From:** Erlanger, Craig  
**Sent:** Wednesday, March 16, 2011 10:51 AM  
**To:** Baxter, Brad; Biddison, John; Chalk, Wayne; Coffin, Monika; Cubellis, Louis; Harris, Paul; Lee, Eric; Nerret, Amanda; Opara, Stella; Pederson, Perry; Resner, Mark; Rycyna, John; Tomlinson, John  
**Subject:** FW: Additional Staff requirements outside Ops Center Long Term Staffing

Please let me know ASAP. Thanks

**From:** Correia, Richard  
**Sent:** Wednesday, March 16, 2011 10:50 AM  
**To:** Wastler, Sandra; Caldwell, Robert; Erlanger, Craig; Huyck, Doug; Shropshire, Alan  
**Subject:** FW: Additional Staff requirements outside Ops Center Long Term Staffing

Please let me know ASAP if we have anyone that meets the "quals" below to assist OIP and if they would be willing to assist.

thx

**From:** Rheame, Cynthia  
**Sent:** Wednesday, March 16, 2011 10:45 AM  
**To:** Holahan, Patricia; Layton, Michael; Correia, Richard; Westreich, Barry

HHH/151-

**Subject:** RE: Additional Staff requirements outside Ops Center Long Term Staffing

All - Do we have anyone who would fit the bill?

*Cynthia Rheume*

Director, Program Management, Policy  
Development and Analysis  
Nuclear Security and Incident Response  
(301)415-6538  
Cynthia.Rheume@nrc.gov



**From:** Evans, Michele  
**Sent:** Wednesday, March 16, 2011 9:38 AM  
**To:** Abraham, Susan; Rheume, Cynthia  
**Cc:** Holahan, Patricia; Correia, Richard; Layton, Michael; Westreich, Barry  
**Subject:** FW: Additional Staff requirements outside Ops Center Long Term Staffing  
**Importance:** High

Susan/Cyndi,

Please handle this for NSIR and respond if we have anyone. Maybe other parts of NSIR (not DPR) can help out with this request.

thanks

**From:** Muessle, Mary  
**Sent:** Wednesday, March 16, 2011 9:32 AM  
**To:** Evans, Michele; Hackett, Edwin; Brenner, Eliot; Schmidt, Rebecca; Powell, Amy; Droggitis, Spiros; Doane, Margaret; Mamish, Nader; Dyer, Jim; Brown, Milton; Greene, Kathryn; Stewart, Sharon; Howard, Patrick; Miller, Charles; Moore, Scott; Cohen, Miriam; Tracy, Glenn; Haney, Catherine; Dorman, Dan; Johnson, Michael; Holahan, Gary; Leeds, Eric; Boger, Bruce; Grobe, Jack; Zimmerman, Roy; Campbell, Andy; Sheron, Brian; Uhle, Jennifer; Dean, Bill; Lew, David; McCree, Victor; Wert, Leonard; Casto, Chuck; Satorius, Mark; Pederson, Cynthia; Collins, Elmo; Howell, Art; Andersen, James; Akstulewicz, Brenda; Belmore, Nancy; Quesenberry, Jeannette; Kreuter, Jane; Armstrong, Janine; Hudson, Sharon; Ellis, Marv; Hasan, Nasreen; Ronewicz, Lynn; Schumann, Stacy; Daniels, Stanley; Casby, Marcia; Thomas, Loretta; Walker, Dwight; Sprogeris, Patricia; Schwarz, Sherry; Ross, Robin; Cohen, Shari; Riddick, Nicole; Flory, Shirley; Veltri, Debra; Matakas, Gina; ODaniell, Cynthia; Miles, Patricia; Lee, Pamela; Dubose, Sheila; Buckley, Patricia; Tomczak, Tammy; Owen, Lucy; Tannenbaum, Anita; Gusack, Barbara; Harrington, Holly; Ricketts, Paul; Howell, Linda; Higginbotham, Tina; Ross, Brenda; Boyce, Thomas (OIS); Schaeffer, James; Jackson, Donald  
**Cc:** Williams, Shawn; Andersen, James; Ramsey, Jack  
**Subject:** Additional Staff requirements outside Ops Center Long Term Staffing  
**Importance:** High

OPA and OIP expect large call volumes today and in the next few weeks given expected news from Japan. OIP is looking for names of people who have desk officer or other OIP or international experience to assist them in the event that current staff cannot meet the work demands for call inquiries as well as ongoing international work. Please provide Shawn Williams and I a list of names that could serve to help OIP in this capacity and their general availability over the next week



and month. It is difficult to determine the need level at this time, but as in the Op Center, it is anticipated OIP will have for an additional month. We would like the list of names by COB today.

Thanks

Mary

Mary Muesle

Assistant for Operations - Acting

Office of the Executive Director for Operations

U.S. Nuclear Regulatory Commission

301-415-1703 office

301-415-2700 fax

**From:** Evans, Michele

**Sent:** Tuesday, March 15, 2011 5:53 PM

**To:** Hackett, Edwin; Brenner, Eliot; Schmidt, Rebecca; Powell, Amy; Droggitis, Spiros; Doane, Margaret; Mamish, Nader; Dyer, Jim; Brown, Milton; Greene, Kathryn; Stewart, Sharon; Howard, Patrick; Miller, Charles; Moore, Scott; Cohen, Miriam; Tracy, Glenn; Haney, Catherine; Dorman, Dan; Johnson, Michael; Holahan, Gary; Leeds, Eric; Boger, Bruce; Grobe, Jack; Zimmerman, Roy; Campbell, Andy; Sheron, Brian; Uhle, Jennifer; Dean, Bill; Lew, David; McCree, Victor; Wert, Leonard; Casto, Chuck; Satorius, Mark; Pederson, Cynthia; Collins, Elmo; Howell, Art; Muesle, Mary; Andersen, James; Akstulewicz, Brenda; Belmore, Nancy; Quesenberry, Jeannette; Kreuter, Jane; Armstrong, Janine; Hudson, Sharon; Ellis, Marv; Hasan, Nasreen; Ronewicz, Lynn; Schumann, Stacy; Daniels, Stanley; Casby, Marcia; Thomas, Loretta; Walker, Dwight; Sprogeris, Patricia; Schwarz, Sherry; Ross, Robin; Cohen, Shari; Riddick, Nicole; Flory, Shirley; Veltri, Debra; Matakas, Gina; ODaniell, Cynthia; Miles, Patricia; Lee, Pamela; Dubose, Sheila; Buckley, Patricia; Tomczak, Tammy; Owen, Lucy; Tannenbaum, Anita; Gusack, Barbara; Harrington, Holly; Ricketts, Paul; Howell, Linda; Higginbotham, Tina; Ross, Brenda; Boyce, Thomas (OIS); Schaeffer, James; Jackson, Donald

**Subject:** Follow-up from 4 pm teleconference on Ops Center Long Term Staffing

Everyone,

Please find attached 1) a list of current positions being staffed in the Ops Center and 2) the staff identified as available to support in Japan.

Regarding additional staff available to support in the ops center, the primary needs are for the specialized positions on the PMT and anyone with previous international experience in OIP.

Regarding support in Japan, please provide any updates/changes to the list by COB March 17. The target time frame for sending these staff members is March 27-April 9, so please consider that when considering staff to put on the list.

Thanks for your support.

*Michele*

**From:** Coyne, Kevin  
**To:** Kuritzky, Alan  
**Subject:** Re: IRC Staffing  
**Date:** Wednesday, March 16, 2011 7:47:57 AM

---

Sure, works for me... Running a fire hose from the fire truck isn't much of a system, but it does seem to have eluded tepco thus far.

Sent from an NRC Blackberry  
Kevin Coyne

(b)(6)

**From:** Kuritzky, Alan  
**To:** Coyne, Kevin  
**Sent:** Wed Mar 16 07:46:04 2011  
**Subject:** RE: IRC Staffing

For systems analysis, I assume you are referring to system thermal-hydraulic analysis, not fault tree/reliability analysis? Also, for Japan, at this time, I assume the focus is on the latter two areas (severe accident progression and dose assessment)?

**From:** Coyne, Kevin  
**Sent:** Tuesday, March 15, 2011 7:49 PM  
**To:** Marksberry, Don; Beasley, Benjamin; Peters, Sean; Ott, William; Salley, MarkHenry; Kuritzky, Alan  
**Cc:** Ibarra, Jose; Coe, Doug; Correia, Richard  
**Subject:** Fw: IRC Staffing

BC's -

Please see below request from Brian and note that IRC experience/trng is not needed. Please identify folks that could support the irc effort and provide their names, availability, and shift preferences to Jose by 11 am Wednesday morning. We are looking for systems analysis, severe accidents, radiological dose assessment experience.

Also, we'll need to provide a standby list for folks willing to go to Japan - very strong technical skills and good communications ability are a must.

Thanks!

Kevin

Sent from an NRC Blackberry  
Kevin Coyne

(b)(6)

**From:** Sheron, Brian  
**To:** Coyne, Kevin; Case, Michael; Coe, Doug; Correia, Richard; Gibson, Kathy; Lui, Christiana; Richards, Stuart; Sangimino, Donna-Marie; Scott, Michael; Uhle, Jennifer; Valentin, Andrea  
**Cc:** Dion, Jeanne  
**Sent:** Tue Mar 15 17:27:11 2011  
**Subject:** IRC Staffing

HHH/152

I participated on a conference call with other ODs and led by Michele Evans, acting deputy OD in NSIR at 4 pm today.

The purpose of the conference call was to discuss staffing for the IRC for the near future. The IRC is currently staffed with members of the Reactor safety team, the Protective Measures team, Liaison Team, etc. There is also an ET member there. None of the teams are at their full compliment. What Michele is looking for is people that can staff the IRC and relieve the staff that are currently there. She said they are currently running 3 shifts (11pm-7am, 7am – 3pm, and 3pm to 11 pm). They would like to find staff that can work shifts for 4 days in a row (I think she wants 4 days on, 3 days off). She said the staff do not have to have had IRC training.

Several of us said we would certainly canvas our staff to see who was qualified to work in the IRC and could work there, but we needed to know what technical disciplines they were looking for. Michele did not have a list of needed disciplines, but said she would generate one and send it out. As of 5:15 pm I have not received a list yet.

However, I am assuming they will be looking for staff with expertise in such areas as systems analysis, severe accidents, radiological dose assessment, etc. In anticipation that these are the technical disciplines of interest, can you please start identifying your staff that you believe have some of the requisite skills needed for the IRC, and start asking if they would be available to work shifts in the IRC if asked to. HR said they would be eligible for normal overtime compensation.

Also, they will be looking for staff to go to Japan and relieve the technical staff that recently went there. There were 2 BWR experts that left over the weekend, and a team of 9 more (6 engineers and 3 OIP staff) left yesterday. The thinking is that the staff that recently went over would come back in 2 weeks, which is when they want to send a replacement team over there. So please check to see if you have any staff with the proper technical credentials, are reasonably good communicators, and would be willing to spend about 2 weeks in Japan as part of the team there.

I will forward the list of desired disciplines as soon as I receive them from Michele. Michele said she will be looking for the list of potential IRC replacements by COB tomorrow (3/16/11), thus, I will need your candidates by mid-afternoon.

For the team that will replace the one that was just sent to Japan, she said she would like us to update the list we previously sent by COB 3/17.

**McKelvey, Harold**

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**From:** Howell, Linda  
**Sent:** Wednesday, March 16, 2011 1:20 PM  
**To:** Collins, Elmo; Howell, Art; Kennedy, Kriss; Pruett, Troy; Vogel, Anton; Caniano, Roy; Maier, Bill; Uselding, Lara  
**Subject:** FW: 1400 EDT (March 15, 2011) USNRC Earthquake/Tsunami SitRep  
**Attachments:** USNRC Earthquake-Tsunami Update.031611.1400EDT.docx

**From:** LIA07 Hoc

**Sent:** Wednesday, March 16, 2011 1:17 PM

**To:** Andersen, James; Anderson, Joseph; Ash, Darren; Baggett, Steven; Barker, Allan; Batkin, Joshua; Boger, Bruce; Borchardt, Bill; Bradford, Anna; Brenner, Eliot; Smith, Brooke; Brown, Milton; Bubar, Patrice; Camper, Larry; Carpenter, Cynthia; Castleman, Patrick; Ader, Charles; Casto, Chuck; Coggins, Angela; Collins, Elmo; Correia, Richard; Dapas, Marc; Dean, Bill; Decker, David; Dickman-Disabled-11/14/2010, Paul; Dorman, Dan; Droggitis, Spiros; Dyer, Jim; ET02 Hoc; Evans, Michele; Franovich, Mike; Apostolakis, George; Gibbs, Catina; Giitter, Joseph; Gott, William; Grobe, Jack; Hahn, Matthew; Haney, Catherine; Harrington, Holly; Hipschman, Thomas; Holahan, Gary; Holahan, Patricia; HOO Hoc; Howell, Art; Howell, Linda; Foster, Jack; Jackson, Donald; Jaczko, Gregory; Johnson, Andrea; Johnson, Michael; Kahler, Robert; Foggie, Kirk; Kock, Andrea; Kozal, Jason; Leeds, Eric; LIA01 Hoc; LIA02 Hoc; LIA03 Hoc; LIA06 Hoc; LIA08 Hoc; LIA11 Hoc; Logaras, Haral; Loyd, Susan; Magwood, William; Maier, Bill; Marshall, Jane; Marshall, Michael; McCree, Victor; McDermott, Brian; McNamara, Nancy; Miller, Charles; Miller, Chris; Monninger, John; Morris, Scott; Nieh, Ho; NSIR\_DDSP\_ILTAB\_Distribution; Ordaz, Vonna; Orders, William; OST05 Hoc; Ostendorff, William; Pace, Patti; Pearson, Laura; Pederson, Cynthia; Plisco, Loren; Powell, Amy; R1 IRC; R2 IRC; R3 IRC; R4 IRC; Reddick, Darani; Reyes, Luis; Devercelly, Richard; ROO hoc; Satorius, Mark; Schmidt, Rebecca; Sharkey, Jeffry; Sheron, Brian; Snodderly, Michael; Sosa, Belkys; Speiser, Herald; Svinicki, Kristine; Thoma, John; Tift, Doug; Kolb, Timothy; Ulses, Anthony; Nakanishi, Tony; Tracy, Glenn; Trapp, James; Trojanowski, Robert; Uhle, Jennifer; Virgilio, Martin; Warnick, Greg; Warren, Roberta; Weber, Michael; Westreich, Barry; Wiggins, Jim; Cook, William; Williams, Kevin; Wittick, Brian; Woodruff, Gena; Zimmerman, Roy; Zorn, Jason; Casto, Chuck; Cook, William; Devercelly, Richard; Foggie, Kirk; Foster, Jack; Kolb, Timothy; Nakanishi, Tony; Smith, Brooke; Ulses, Anthony

**Cc:** (b)(6)

**Subject:** 1400 EDT (March 15, 2011) USNRC Earthquake/Tsunami SitRep

Attached, please find a 1400 EDT situation report from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami on March 16, 2011. This Update includes information on the status of the units at Fukushima Daiichi, NRC recommendations to Americans in Japan, and NRC PMT hypothetical Worst Case Analyses.

Please note that this information is "Official Use Only" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

-Jim

Jim Anderson  
Office of Nuclear Security and Incident Response  
US Nuclear Regulatory Commission  
[james.anderson@nrc.gov](mailto:james.anderson@nrc.gov)  
[LIA07.HOC@nrc.gov](mailto:LIA07.HOC@nrc.gov) (Operations Center)

HHH/153

**From:** [Hayden, Elizabeth](#)  
**To:** "[Jean.GAUVAIN@oecd.org](mailto:Jean.GAUVAIN@oecd.org)"  
**Subject:** Re: BB CHarger  
**Date:** Wednesday, March 16, 2011 4:27:22 AM

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Thanks. In a slow taxi to the meeting.

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

From: Jean.GAUVAIN@oecd.org <Jean.GAUVAIN@oecd.org>  
To: Hayden, Elizabeth  
Sent: Wed Mar 16 03:17:50 2011  
Subject: RE: BB CHarger

We should find one

Jean Gauvain - NEA/NSD - Phone +33 1 45 24 10 52 - Mobile (b)(6)

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

From: Hayden, Elizabeth [<mailto:Elizabeth.Hayden@nrc.gov>]  
Sent: Tuesday, March 15, 2011 22:13  
To: GAUVAIN Jean, NEA/SURN  
Subject: BB CHarger

Jean, can I charge my blackberry at the NEA office tomorrow morning. I managed to leave mine at home!

HHH / 154

**From:** Hayden, Elizabeth  
**To:** "Jean GAUVAIN@oecd.org"  
**Subject:** Re: [Japan situation] RE : NEA/CNRA - WGPC-12 meeting- Special Agenda  
**Date:** Wednesday, March 16, 2011 4:29:21 AM

---

Just got word to return to US Thursday.

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

**From:** Jean.GAUVAIN@oecd.org <Jean.GAUVAIN@oecd.org>  
**To:** Emmanuel.BOUCHOT@asn.fr <Emmanuel.BOUCHOT@asn.fr>; Anton.Treier@ensi.ch <Anton.Treier@ensi.ch>; amcgarry@rpil.ie <amcgarry@rpil.ie>; besenyei@haea.gov.hu <besenyei@haea.gov.hu>; vc@aerb.gov.in <vc@aerb.gov.in>; valentina.ionescu@cncan.ro <valentina.ionescu@cncan.ro>; david.tredinnick@arpansa.gov.au <david.tredinnick@arpansa.gov.au>; roberto.ranieri@isprambiente.it <roberto.ranieri@isprambiente.it>; marli.vogels@minvrom.nl <marli.vogels@minvrom.nl>; fgrande@cnsns.gob.mx <fgrande@cnsns.gob.mx>; moisiibogdan@cncan.ro <moisiibogdan@cncan.ro>; miyake-ryo@meti.go.jp <miyake-ryo@meti.go.jp>; risto.isaksson@stuf.fi <risto.isaksson@stuf.fi>; sunni.locatelli@cnsccsn.gc.ca <sunni.locatelli@cnsccsn.gc.ca>; kees.jansen@minvrom.nl <kees.jansen@minvrom.nl>; dagmar.zemanova@ujd.gov.sk <dagmar.zemanova@ujd.gov.sk>; anneli.hallgren@ssm.se <anneli.hallgren@ssm.se>; deniz.yueksel@bmu.bund.de <deniz.yueksel@bmu.bund.de>; watanabe-makoto@meti.go.jp <watanabe-makoto@meti.go.jp>; mkelly@rpil.ie <mkelly@rpil.ie>; schwang@kins.re.kr <schwang@kins.re.kr>; mcle@csn.es <mcle@csn.es>; i.sokolova@gosnadzor.ru <i.sokolova@gosnadzor.ru>; otake-fumie@jnes.go.jp <otake-fumie@jnes.go.jp>; stanislaw.janikowski@paa.gov.pl <stanislaw.janikowski@paa.gov.pl>; brafferty@rpil.ie <brafferty@rpil.ie>; anne.marit.ostreng@nrpa.no <anne.marit.ostreng@nrpa.no>; wolfgang.hilden@ec.europa.eu <wolfgang.hilden@ec.europa.eu>; niina.yliknuussi@ec.europa.eu <niina.yliknuussi@ec.europa.eu>; yhhah@kins.re.kr <yhhah@kins.re.kr>; karina.debeule@fanc.fgov.be <karina.debeule@fanc.fgov.be>; r.spiegelberg-planer@iaea.org <r.spiegelberg-planer@iaea.org>; soaresjc@cii.fc.ul.pt <soaresjc@cii.fc.ul.pt>; camelia.liutiev@cncan.ro <camelia.liutiev@cncan.ro>; Hayden, Elizabeth; aurele.gervais@cnsccsn.gc.ca <aurele.gervais@cnsccsn.gc.ca>; marek.bozenhard@sujb.cz <marek.bozenhard@sujb.cz>; gerard.westerhof@minvrom.nl <gerard.westerhof@minvrom.nl>; lise.roberts@hse.gsi.gov.uk <lise.roberts@hse.gsi.gov.uk>; ddawson@rpil.ie <ddawson@rpil.ie>  
**Cc:** Evangelia.PETIT@asn.fr <Evangelia.PETIT@asn.fr>  
**Sent:** Wed Mar 16 03:15:16 2011  
**Subject:** RE: [Japan situation] RE : NEA/CNRA - WGPC-12 meeting- Special Agenda

Dear WGPC colleagues,

Following the Fukushima situation and in response to the ASN E-mail I inform you that it was already decided yesterday afternoon at the preparatory meeting that there would be this morning a special session dedicated to country's feedback on communication activities induced by this event. After the meeting we will organise a broader feedback review but first news will be appreciated.  
Best Regards

Jean Gauvain - NEA/NSD - Phone +33 1 45 24 10 52 - Mobile

(b)(6)

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

**From:** BOUCHOT Emmanuel [mailto:Emmanuel.BOUCHOT@asn.fr]  
**Sent:** Tuesday, March 15, 2011 19:34  
**To:** Treier Anton; GAUVAIN Jean, NEA/SURN; amcgarry@rpil.ie; BESENYEI Elizabeth [Hungary]; vc@aerb.gov.in; valentina.ionescu@cncan.ro; david.tredinnick@arpansa.gov.au; roberto.ranieri@isprambiente.it; marli.vogels@minvrom.nl; fgrande@cnsns.gob.mx; moisiibogdan@cncan.ro; miyake-ryo@meti.go.jp; risto.isaksson@stuf.fi; sunni.locatelli@cnsccsn.gc.ca; kees.jansen@minvrom.nl; dagmar.zemanova@ujd.gov.sk; anneli.hallgren@ssm.se; deniz.yueksel@bmu.bund.de; watanabe-makoto@meti.go.jp; mkelly@rpil.ie; schwang@kins.re.kr;

HHH/155

mcle@csn.es; i.sokolova@gosnadzor.ru; otake-fumie@jnes.go.jp; stanislaw.janikowski@paa.gov.pl;  
brafferty@rpil.ie; anne.marit.ostreng@nrpa.no; wolfgang.hilden@ec.europa.eu;  
niina.yliknuussi@ec.europa.eu; yhhah@kins.re.kr; karina.debeule@fanc.fgov.be; r.spiegelberg-  
planer@iaea.org; soaresjc@cii.fc.ul.pt; camelia.liutiev@cncan.ro; elizabeth.hayden@nrc.gov;  
aurele.gervais@cnsccsn.gc.ca; marek.bozenhard@sujb.cz; gerard.westerhof@minvrom.nl;  
lise.roberts@hse.gsi.gov.uk; ddawson@rpil.ie

Cc: PETIT Evangelia

Subject: [Japan situation] RE : NEA/CNRA - WGPC-12 meeting will be held as scheduled but with flexibility

Dear members,

the media pressure concerning the Japanese nuclear events is dramatically high. Our communication team is working 24h/24.

I really apologize but I have to cancel my attendance to the 12th WGPC meeting.

Nevertheless, according to the current French situation in the field of media, I would propose the group to have discussion about the national situation of each of countries:

- type of media pressure ?
- type of media interest :
- \* Japan situation ?
- \* national situation about nuclear activity ?
- \* other
- coutermeasures for national people living in Japan
- polemics about the use of nuclear energy

I think it would be interesting to compare the different national situation in these different fields according to Japan crisis..

thank you for your comprehension.

Best regards

E . Bouchot

**From:** Akstulewicz, Brenda  
**To:** Hayden, Elizabeth  
**Subject:** RE: No help - OK - Please call Holly (b)(6) needs to speak with you urgently!!!  
**Date:** Wednesday, March 16, 2011 8:01:15 AM

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OK - Please call Holly - urgent matter!

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

From: Hayden, Elizabeth  
Sent: Wednesday, March 16, 2011 6:26 AM  
To: Akstulewicz, Brenda; Brenner, Eliot  
Subject: No help

Got my resrvation changed to retun to US Thurs. afternoon.

HHH/156



**From:** Case, Michael  
**To:** Coyne, Kevin  
**Subject:** FW: Follow-up from 4 pm teleconference on Ops Center Long Term Staffing  
**Date:** Wednesday, March 16, 2011 2:13:44 PM  
**Attachments:** Japan Exercise Position Title March 15.docx  
Japan Support.xlsx

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Hi Kevin. This is the Brian e-mail. Sorry it took so long.

**From:** Sheron, Brian  
**Sent:** Wednesday, March 16, 2011 7:41 AM  
**To:** Case, Michael; Coe, Doug; Correia, Richard; Gibson, Kathy; Lui, Christiana; Richards, Stuart; Sangimino, Donna-Marie; Scott, Michael; Uhle, Jennifer; Valentin, Andrea  
**Subject:** FW: Follow-up from 4 pm teleconference on Ops Center Long Term Staffing

Here is the list of expertise the Op center is looking for.

**From:** Evans, Michele  
**Sent:** Tuesday, March 15, 2011 5:53 PM  
**To:** Hackett, Edwin; Brenner, Eliot; Schmidt, Rebecca; Powell, Amy; Droggitis, Spiros; Doane, Margaret; Mamish, Nader; Dyer, Jim; Brown, Milton; Greene, Kathryn; Stewart, Sharon; Howard, Patrick; Miller, Charles; Moore, Scott; Cohen, Miriam; Tracy, Glenn; Haney, Catherine; Dorman, Dan; Johnson, Michael; Holahan, Gary; Leeds, Eric; Boger, Bruce; Grobe, Jack; Zimmerman, Roy; Campbell, Andy; Sheron, Brian; Uhle, Jennifer; Dean, Bill; Lew, David; McCree, Victor; Wert, Leonard; Casto, Chuck; Satorius, Mark; Pederson, Cynthia; Collins, Elmo; Howell, Art; Muessle, Mary; Andersen, James; Akstulewicz, Brenda; Belmore, Nancy; Quesenberry, Jeannette; Kreuter, Jane; Armstrong, Janine; Hudson, Sharon; Ellis, Marv; Hasan, Nasreen; Ronewicz, Lynn; Schumann, Stacy; Daniels, Stanley; Casby, Marcia; Thomas, Loretta; Walker, Dwight; Sprogeris, Patricia; Schwarz, Sherry; Ross, Robin; Cohen, Shari; Riddick, Nicole; Flory, Shirley; Veltri, Debra; Matakas, Gina; ODaniell, Cynthia; Miles, Patricia; Lee, Pamela; Dubose, Sheila; Buckley, Patricia; Tomczak, Tammy; Owen, Lucy; Tannenbaum, Anita; Gusack, Barbara; Harrington, Holly; Ricketts, Paul; Howell, Linda; Higginbotham, Tina; Ross, Brenda; Boyce, Thomas (OIS); Schaeffer, James; Jackson, Donald  
**Subject:** Follow-up from 4 pm teleconference on Ops Center Long Term Staffing

Everyone,

Please find attached 1) a list of current positions being staffed in the Ops Center and 2) the staff identified as available to support in Japan.

Regarding additional staff available to support in the ops center, the primary needs are for the specialized positions on the PMT and anyone with previous international experience in OIP.

Regarding support in Japan, please provide any updates/changes to the list by COB March 17. The target time frame for sending these staff members is March 27-April 9, so please consider that when considering staff to put on the list.

Thanks for your support.

Michele

HHH/157

## Positions being staffed in the Operations Center as of March 15, 2011

### Liaison Team

LT Director  
LT Coordinator  
LT Federal Liaison (2)  
LT Congressional Liaison (2)  
LT International Liaison (2)

### Protective Measures Team

PMTR Director  
PMTR Coordinator  
PMTR Protective Actions Assistant Director  
PMTR RAAD (Radiological Assessment Assistant Director)  
PMTR Dose Assessment (RASCAL)  
RASCAL Developer  
PMTR GIS Analyst (Geographical Information Systems)  
PMTR Meteorologist

### Reactor Safety Team

RST Director  
RST Coordinator  
Severe Accident / PRA  
BWR Expert  
RST Comm / ERDS Operator  
RST Support (Seismology Q&A)

| SAMG                                 | SRO/RI<br>@BWR | Desc           |                                                                                                                                                                                                                                                                                                            |
|--------------------------------------|----------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rudy Bernhard                        |                | SRO/RI<br>@BWR | Senior Reactor Analyst, Senior Resident Inspector at Grand Gulf; GE SRO Certification at Dresden, Hatch and River Bend; General Electric Construction/Pre-op/Start-up Testing/ and Operations, Browns Ferry Restart support. (b)(6)                                                                        |
| Bruno Caballero                      |                | SRO/RI<br>@BWR | Senior Operator Licensing Examiner, former SRO at Browns Ferry (BWR4/Mark                                                                                                                                                                                                                                  |
| Len Wert                             |                | SRO/RI<br>@BWR | SRI Browns Ferry and Hatch (BWR4/Mark 1)                                                                                                                                                                                                                                                                   |
| Chuck Casto                          |                | SRO/RI<br>@BWR | former licensed SRO at Browns Ferry (BWR4/Mark                                                                                                                                                                                                                                                             |
| Joel Munday                          |                | SRO/RI<br>@BWR | former licensed SRO at Brunswick ((BWR4/Mark 1) SRI at Hatch (BWR4/Mark 1)                                                                                                                                                                                                                                 |
| Tony Nakanishi                       |                | SRO/RI<br>@BWR | BWR analysis guy, spent fuel pool criticality,                                                                                                                                                                                                                                                             |
| Tony Mendiola                        |                | SRO/RI<br>@BWR | BWR qualified examiner (dated) , SRO certified by GE, Navy Nuke                                                                                                                                                                                                                                            |
| Lawrence Kokajko                     | SAMG           | SRO/RI<br>@BWR | licensed operator on this type of plant (SOP 3938). He also taught degraded core cooling post TMI.                                                                                                                                                                                                         |
| Aby Mohseni                          | SAMG           |                | severe accident experience for this type of unit                                                                                                                                                                                                                                                           |
| George Wilson –<br>Chief, I&C Branch |                | SRO/RI<br>@BWR | BS Nuclear/Electrical Engineering Navy ET/Reactor Operator TVA I&C Supervisor STA at Watts Bar NRC License Examiner RI/SRI at BWR 4/5 Mark 2s Electrical Branch Chief 2005-2011 Evaluated Forsmark event in Sweden                                                                                         |
| Martin Murphy                        |                |                | Navy Nuke program – GE / Knolls Atomic Power Laboratory employee – 6 years operating prototype Calvert Cliffs nuclear power plant – 12 years system engineering (ECCS & containment spray), senior material engineer US NRC materials engineer licensing experience project engineering – special projects |

|                                      |      |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|--------------------------------------|------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Roy Mathews -<br>Electrical Engineer |      |                | thirty years nuclear power plant experience in the areas of design, maintenance and operation. Expert in power plant electrical engineering design and operation. Participated in the NRC, IIT, AITs and Team Inspections and a qualified NRC inspector. Participated in international electrical design standards.                                                                                                                                                                                                                                                                 |  |
| Jeff Circle                          |      | SRO/RI<br>@BWR | Probabilistic risk assessments, including system modeling. ROP, SDP, and SERPs. Licensing interface. Maintenance rule. Reactive inspection decision-making. Outage management. Mr. Circle is a member of the HQ Incident Response Reactor Safety Team. Prior to joining the NRC, Mr. Circle worked for Entergy for 6 years (2000-2006) and with the New York Power Authority for 7 years (1993-2000). He has significant experience with BWRs and PWRs.                                                                                                                             |  |
| Harold Barrett                       |      | SRO/RI<br>@BWR | significant BWR experience. He worked at Nine Mile Point on and off for about 15 years. He held a Senior Reactor Operator's license at Nine Mile Point Unit 1, including several positions in Operations Management (Assistant Operations Superintendent and General Supervisor Operations), was qualified in Emergency Plan Implementation and was involved with symptom-based procedure development and participated on the BWR Owner's Group Emergency Procedures Committee (responsible for the BWR Emergency Procedure Guidelines for all BWR product lines) in the mid-1980s. |  |
| Tim Kolb                             |      | SRO/RI<br>@BWR | BWR specialist                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| Kristy Bucholtz                      |      | SRO/RI<br>@BWR | Recently licensed SRO at Peach Bottom.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| Chuck Norton                         |      | SRO/RI<br>@BWR | BWR expertise (shift manager for many years at a BWR 4, resident inspector at a BWR 6 (Grand Gulf)).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| Joe Glitter                          |      |                | source term, incident response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| Bill Cook                            | SAMG |                | severe accident mitigation. knowledgeable of SAMAs and B.5.b strategies. considerable BWR backgrounds. Region I Senior reactor analysts.                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| Wayne Schmidt                        | SAMG |                | severe accident mitigation. knowledgeable of SAMAs and B.5.b strategies. considerable BWR backgrounds. Region I Senior reactor analysts.                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |

|                  |      |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |
|------------------|------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Chris Cahill     | SAMG |                | severe accident mitigation. knowledgeable of SAMAs and B.5.b strategies. considerable BWR backgrounds. Region I Senior reactor analysts.                                                                                                                                                                                                                                                                                                                                                                                                                                   | (b)(6) |
| Ron Nimitz       |      |                | radiological health effects and plume modeling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
| Jim Noggle       |      |                | radiological health effects and plume modeling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
| Ray McKinley     |      | SRO/RI<br>@BWR | incident response, former BWR 4 SRO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |
| Edward Fuller    | SAMG |                | Ph.D. Nuclear Engineering, Expert: Severe Accident Analysis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |
| Donald Dube      | SAMG |                | Ph.D. Nuclear Engineering Expert: Severe Accident Analysis and Operational Experience                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |
| Charles Hinson   |      |                | M.E. Nuclear Engineering/ Health Physics Expert: ALARA & Radiological Safety Programs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |
| Reynaldo Jenkins |      |                | M.E. Nuclear Engineering/ Health Physics Expert: ALARA & Radiological Safety Programs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |
| Mark Ring        | SAMG | SRO/RI<br>@BWR | Div of Reactor Projects Br Chief for many years. Responsible for Dresden and Quad, I consider him one of the agency's best on BWR 3 and 4's qual in our emerg response org in rst, pmt, and response coordination                                                                                                                                                                                                                                                                                                                                                          |        |
| Jim McGhee       |      | SRO/RI<br>@BWR | SRI Quad, former SRO BWR and BWR examiner. Former licensee Ops and Maint mana at entergy BWRs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
| Jack Foster      | SAMG |                | HOO Protective Measure Team (PMT). Qualified as Reactor Safety Team/PMT Liaison and PMT Coordinator. RST/PMT skills need include Reactor background and health physics. PMT Coordinator skill include use and training on RASCAL, GIS, overall process of PMT. Branch Chief Materials Licensing Branch in FSME. Responsibilities include:<br>Exempt Distribution Licensing, General Licensing, Web Based Licensing/Licensing Tracking System.Branch Chief Generic Issues and OpE (RES). Included skills are GI-199 (Seismic) and Accident sequence precursor program (ASP) |        |
| Jason Schaperow  | SAMG |                | Severe Accident (SA) Management Strategies (SAMGs), SA phenomena, source term chemical interaction, member of RST                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |

|                          |      |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |
|--------------------------|------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Richard Lee              | SAMG |                | SAMGs, SA phenomena                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (b)(6) |
| Mark Leonard<br>(Sandia) | SAMG | SRO/RI<br>@BWR | BWR SAMGs, SA phenomena                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
| Randy Gauntt<br>(Sandia) | SAMG | SRO/RI<br>@BWR | SAMGs, SA phenomena, source term chemical interaction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |
| Annie Kammerer           |      |                | Seismic, tsunami, works with Japanese through IAEA program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| Steve Garchow            |      |                | Licensed as a BWR 6 (Perry) SRO. Went through construction and startup. While at Perry, I developed many of the initial safety related normal operating and abnormal operating procedures. This was a "from scratch" effort and, thus, involved a large amount of research with regard to system designs, capabilities, and interfaces with other systems. Perry was the lead plant for the development of the initial BWR EOPs following TMI. I was one of the licensed SRO's responsible for the initial validation and subsequent revisions of the draft EOP's. This effort was part of the BWR industry's EOP implementation plan following TMI. While an INPO employee, was a simulator evaluation team leader. This involved evaluating BWR operating crews across the country in "emergency" EOP simulated scenarios. As an NRC Chief Examiner, led many exams on BWR 4's, 5's, and 6's. This has included exams on MARK I, MARK II and MARK III containment designs. While at INPO was an accident/incident investigator and in this capacity investigated many nuclear industry events. Was a company spokesperson at First Energy and, as such, was responsible for the JPIC during emergency situations. |        |
| Michael Hay              |      |                | Bachelors/Masters in Health Physics NRC GE/BWR series course Resident Inspector at Cooper Nuclear Station: BWR 4/Mark 1 (approx 4 years) Extensive emergency planning and event response experiences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |
| Tony Vogel               |      |                | RI/SRI at BWR's (Fermi, Perry) Knowledgeable of BWR Mark 1 Containment Lead RIV NRC response to Hurricane Katrina Extensive emergency planning and event response experiences, including Base Team Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| Art Howell               |      |                | 26 years NRC experience                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |

[illegible]

**From:** Morris, Scott  
**To:** McGinty, Tim; Akstulewicz, Frank; Bergman, Thomas; Madden, Patrick; Richards, Stuart; Gibson, Kathy; Correia, Richard; Delligatti, Mark; Webber, Robert; Persinko, Andrew; Davis, Jack; Bailey, Marissa; Weaver, Doug; Adams, John  
**Cc:** Evans, Michele; OST02 HOC; Thaggard, Mark; Tschiltz, Michael; Blount, Tom; Lombard, Mark; Jones, Cynthia; Glitter, Joseph; Temple, Jeffrey; LIA06 Hoc; LIA08 Hoc; McDermott, Brian; Bower, Anthony  
**Subject:** RE: Query: Willing/Able to Serve on the Liaison Team in the Operations Center  
**Date:** Wednesday, March 16, 2011 2:09:02 PM

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Tim ... thank you ... we will train anyone who volunteers.

**Scott A. Morris**

Deputy Director for Incident Response  
Division of Preparedness and Response  
Office of Nuclear Security and Incident Response

U.S. Nuclear Regulatory Commission  
Mail Stop T4-A43  
11555 Rockville Pike  
Rockville, MD 20852

scott.morris@nrc.gov  
301-415-7482 (Office)  
(b)(6) [BlackBerry/Cell]  
301-415-5278 (Fax)



**From:** McGinty, Tim  
**Sent:** Wednesday, March 16, 2011 1:45 PM  
**To:** Akstulewicz, Frank; Bergman, Thomas; Madden, Patrick; Richards, Stuart; Gibson, Kathy; Correia, Richard; Delligatti, Mark; Webber, Robert; Persinko, Andrew; Davis, Jack; Bailey, Marissa; Weaver, Doug; Adams, John  
**Cc:** Evans, Michele; OST02 HOC; Thaggard, Mark; Tschiltz, Michael; Blount, Tom; Lombard, Mark; Jones, Cynthia; Glitter, Joseph; Temple, Jeffrey; LIA06 Hoc; LIA08 Hoc; McDermott, Brian; Morris, Scott; Bower, Anthony  
**Subject:** Query: Willing/Able to Serve on the Liaison Team in the Operations Center  
**Importance:** High

Colleagues – I am reaching out to you directly to see if you can, and would be interested, in joining the Liaison Team (LT) in the Operations Center as a Director and/or Deputy Director.

If you already have a defined incident response roll, please disregard this query.

To get to the point: The LT currently only has a handful of "Directors". Since we need to staff the Ops Center 24/7, perhaps for an extended period of time (see below from the NSIR Acting Deputy Director), I am "recruiting" among colleagues who may be able and interested in helping. Since this is an ongoing event on foreign soil, the LT has actually

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been actively involved. We need additional help to staff the LT leadership position for the next month.

If you are interested and able to help, please email the LT Coordinator (Jeff Temple), Anthony Bower and myself. There is no need to "reply to all", or to reply at all, as the Incident Response activity continues to be on a voluntary basis.

I think the LT only needs 2 or 3 additional volunteers to establish enough capability to allow for a rotating shiftwork watchbill that will also give us some flexibility to do our normal jobs part time as well. If you can do it, I would expect the process to be to "shadow" one of the LT Directors at shift change and perhaps for a couple hours to observe team activities, a half-hour brief by the Coordinator, and to review the LT Directors procedure.

Thanks for your consideration - Tim

**From:** OST02 HOC  
**Sent:** Tuesday, March 15, 2011 6:28 PM  
**To:** Thaggard, Mark; Blount, Tom; McGinty, Tim; Tschiltz, Michael  
**Cc:** Evans, Michele  
**Subject:** Staffing Ops Center 24/7  
**Importance:** High

Liaison Team Directors:

Per EDO direction we plan to staff the Ops Center 24/7 while we have staff dispatched in Japan. And we are currently planning to identify a second team to send to Japan in about 2 weeks, with the idea that they may stay there for an additional two weeks. That would take us out to April 10 or so.

Staffing in the IRC will remain at the current levels for potentially another week. Possibly we will be able to scale back somewhat at that point. The intent is to develop a schedule through April 10 at this point. The immediate focus is to staff for the first week, starting Saturday March 19.

We'd like to have a little more consistency in the staffing of most positions. So we'd like to staff the Liaison Team Director in 4 day blocks, three shifts each day, starting March 19.

Tim McGinty has offered to take the lead to coordinate among the potential Liaison Team Directors to fill the schedule. Please work with him and provide at least the schedule for the first four day block by COB Wednesday March 16.

*Michele*

**From:** Hayden, Elizabeth  
**To:** Brenner, Eliot  
**Subject:** Re: FY 2013 Budget Chairman's Guidance with VTC and teleconference (see details below) - note new date/time  
**Date:** Wednesday, March 16, 2011 3:08:55 AM

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OK. Will make arrangements.

---

**From:** Brenner, Eliot  
**To:** Hayden, Elizabeth  
**Sent:** Tue Mar 15 17:14:01 2011  
**Subject:** Re: FY 2013 Budget Chairman's Guidance with VTC and teleconference (see details below) - note new date/time

Would like you to be available friday AM. Sorry, but think it would help. Then you can talk about how you were summoned home at exhorbitant cost to help save civilization!

Eliot Brenner  
Director, Office of Public Affairs  
US Nuclear Regulatory Commission  
Protecting People and the Environment  
301 415 8200

C: (b)(6)  
Sent from my Blackberry

---

**From:** Hayden, Elizabeth  
**To:** Brenner, Eliot  
**Sent:** Tue Mar 15 17:08:11 2011  
**Subject:** Re: FY 2013 Budget Chairman's Guidance with VTC and teleconference (see details below) - note new date/time

If you need me to come in to the office Friday morning, please let me know by tonight. To take the 4:40 flight on Thurs, that will mean I have to leave the meeting @ noon. If you don't need me until late Fri. I will try to get the Fri flight home (it arrives at 3 pm. Fading fast as is my BB.

---

**From:** Brenner, Eliot  
**To:** Hayden, Elizabeth  
**Sent:** Tue Mar 15 15:30:22 2011  
**Subject:** RE: FY 2013 Budget Chairman's Guidance with VTC and teleconference (see details below) - note new date/time

OK by me if bethany sits in. also, there is that 440pm delta/air france flight thursday and i have checked and it is no problem for us to spend that kind of cash to get you back here. dyer basically called it chump change.

---

**From:** Hayden, Elizabeth  
**Sent:** Tuesday, March 15, 2011 3:28 PM  
**To:** Brenner, Eliot; Akstulewicz, Brenda; Janbergs, Holly  
**Subject:** Fw: FY 2013 Budget Chairman's Guidance with VTC and teleconference (see details below) - note new date/time

Would you be OK if I asked Bethany to sit in on this meeting and take notes?  
BTW--folks here like our webpage w/regard to Japan situation. Some websites (IAEA?) Couldn't handle the traffic and came down or are extremely slow.

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There is a good chance we will end our meeting Thurs. So I am copying Brenda to see if there is a flight back Fri.

**From:** Powell, Marlon

**To:** Bellinger, Alesha; Powell, Amy; Campbell, Andy; Bettis, Ashley; Gusack, Barbara; Stehlin, Barbara; Sall, Basia; Dabbs, Bill; Holt, BJ; Sentz, Brian; Poole, Brooke; Nelson-Wilson, Carlyeamaryllis; Nguyen, Caroline; Trybus, Chester; Lin, Chien-Ting; Kasputys, Clare; McGill, Clinton; Butler, Darrin; Decker, David; Krupnick, David; Rule, David; Huber, Deborah; Sotiropoulos, Dina; Hall, Donald; Williams, Donald; Gillen, Edward; New, Edward; Hayden, Elizabeth; Jacobs-Baynard, Elizabeth; Tabakov, Emil; Miller, Fred; Tharpe, Gary; Smolik, George; Gulla, Gerald; Somerville, Glenda; Murray, Heather; Le, Hong; Solorio, Ilka; Whetstone, Jack; Andersen, James; Horn, James; Hunter, James; Janis, James; Green, Jamie; Perry, Jamila; Dambly, Jan; Shay, Jason; Ojeda, Jennifer; Rand, Jennifer; Gallo, Jenny; Murphy, Jerome; McDevitt, Joan; Johnson, Joanne; John Vassos (John.Vassos@nrc.ogv) <John.Vassos@nrc.ogv>; Coleman, Judy; Fitch, Karen; Newell, Karenina; Hannum, Karyn; Stout, Kathleen; Zilka, Kathleen; Gardin, Kathy; Ferrell, Kimberly; Boyd, Lena; Nute-Blackshear, Lora; Dove, Marna; Warner, MaryAnn; Brand, MaryLynn; Ma, May; Lockhart, Michelle; Tenaglia, Mickey; Lee, Min; Hays, Myra; Dhir, Neha; Wagner, Paige; Baker, Pamela; Howard, Patrick; Humphreys, Patti; Nibert, Patty; Augustus, Reginald; Hopkins, Rhonda; Baum, Richard; Rough, Richard; Spiegel, Richard; Stanfield, Richard; Barnes, Robin; Butler, Rodney; Allwein, Russell; Spencer, Ruth; Joosten, Sandy; Marks, Sharon; Bayliff, Shirley; Dembek, Stephen; Jefferson, Steven; Harvey, Sue; Blond, Tamoria; Grancorvitz, Teresa; McLaughlin, Terri; Walker, Tracy; Voytko, Victoria; Shnyder, Yana

**Sent:** Tue Mar 15 08:54:41 2011

**Subject:** FW: FY 2013 Budget Chairman's Guidance with VTC and teleconference (see details below) - note new date/time

When: Thursday, March 17, 2011 10:00 AM-11:30 AM (GMT-05:00) Eastern Time (US & Canada).

Where: Commissioners' hearing room

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

\*\*\*\*\*

-----Original Appointment-----

**From:** Hudson, Sharon **On Behalf Of** Dyer, Jim

**Sent:** Tuesday, March 15, 2011 8:50 AM

**To:** Dyer, Jim; Taylor, Renee; Smolik, George; Golder, Jennifer; Powell, Marlon; Brown, Milton; Borchardt, Bill; Ash, Darren; Weber, Michael; Muessle, Mary; Virgilio, Martin; Hudson, Sharon; Matakas, Gina; Miles, Patricia; Buckley, Patricia; Owen, Lucy; Collins, Elmo; Satorius, Mark; Reyes, Luis; Dapas, Marc; Kelley, Corenthis; Sheron, Brian; Boyce, Thomas (OIS); McCrary, Cheryl; Zimmerman, Roy; Wiggins, Jim; Leeds, Eric; Johnson, Michael; Haney, Catherine; Cohen, Miriam; Miller, Charles; Howard, Patrick; Greene, Kathryn; Doane, Margaret; Poole, Brooke; Schmidt, Rebecca; Brenner, Eliot; Vietti-Cook, Annette; Burns, Stephen; Hackett, Edwin; Jacobs-Baynard, Elizabeth; Kasputys, Clare; Dhir, Neha; Akstulewicz, Brenda; Sheldon, Jeffrey; Metzgar, Laura

**Cc:** Flory, Shirley; Lee, Pamela; Webber, Robert; Delligatti, Mark; Green, Jamie; Neff, Deborah; Quesenberry, Jeannette; Wright, Darlene; Joosten, Sandy

**Subject:** FY 2013 Budget Chairman's Guidance with VTC and teleconference (see details below) - note new date/time

**When:** Thursday, March 17, 2011 10:00 AM-11:30 AM (GMT-05:00) Eastern Time (US & Canada).

**Where:** Commissioners' hearing room

**Your conference details are enclosed.**

**Meeting Information:**

Leader:

SHARON HUDSON

Phone number:

1-301-415-7322

Contact:

MR TYRONE BROWN

Phone number:

1-301-415-7027

Call date:

MAR-17-2011 (Thursday)

Call time:

10:00 AM EASTERN TIME

Duration:

2 hr

Service level:

Unattended

Number of lines:

Total=20 Dialout=0 Meet Me=20 Meet Me Toll=0

Confirmation number:

2434640

Company:

FTS-NUCLEAR REGULATORY COMMISI

CRC:

**Passcodes/Pin codes:**

Participant passcode: (b)(6)

For security reasons, the passcode will be required to join the call.

**Dial in numbers:**

**Country**

**Toll Numbers**

**Freephone/**

**Toll Free Number**

USA

800-779-9286

Restrictions may exist when accessing freephone/toll free numbers using a mobile telephone.

**In-Conference Features:**

All participants must use a touch-tone phone to participate in an Audio Conference. The following features are available for you to use on your phone during an active conference:

Press \*0 operator assistance (small fee may apply)

Press \*6 mute/unmute individual line

**Selected Conference Features:**

**Audio**

**Tones**

Leaders can schedule, modify or cancel a reservation by using e-Scheduling, our online reservation tool. To reschedule or cancel this reservation, click [here](#).

For additional assistance, contact customer service at 877-855-4797

Special notes:

Call notes: FEB-01-11 03:39 PM/CT KORVERM USA...changed the date from mar-3-2011 at 3:00 pm/et to mar-17-2011 at 1:00 pm/et, also increased the duration from 1.5 hours to 2 hours per mr. michael hackett at 301-415-7026.

The Conferencing Center would like to send you e-mail notes to keep you informed of new or enhanced products and services, conferencing tips, or special offers, etc. If you would prefer not to receive these messages, you may [unsubscribe now](#). Thank you.

VTC to Regions:

NRC HQ – Sharon Hudson 301-415-7322

Region I – Gina Matakis 610-337-5105

Region II – Pat Miles 404-562-4413

Region III – Pat Buckley 603-829-9657

Region IV - Lucy Owen 817-860-8227

NOTE: The VTC will also be used for the last 30 minutes for OCFO/OEDO to meet with budget contacts.

If you have any questions, please contact George Smolik.

Thank you,

**From:** Jean.GAUVAIN@oecd.org  
**To:** Emmanuel.BOUCHOT@asn.fr; Anton.Treier@ensi.ch; amcgarry@rpil.ie; besenyei@haea.gov.hu; vc@aerb.gov.in; valentina.ionescu@cncan.ro; david.tredinnick@arpansa.gov.au; roberto.ranieri@isprambiente.it; marli.vogels@minvrom.nl; fgrande@cnsns.gob.mx; moisiibogdan@cncan.ro; miyake-ryo@meti.go.jp; risto.isaksson@stuk.fi; sunni.locatelli@cncs-ccsn.gc.ca; kees.jansen@minvrom.nl; dagmar.zemanova@uid.gov.sk; anneli.hallgren@ssm.se; deniz.yueksel@bmu.bund.de; watanabe-makoto@meti.go.jp; mkelly@rpil.ie; schwang@kins.re.kr; mcie@csn.es; i.sokolova@gosnadzor.ru; otake-fumie@jnes.go.jp; stanislaw.janikowski@paa.gov.pl; brafferty@rpil.ie; anne.marit.ostreng@nrpa.no; wolfgang.hilden@ec.europa.eu; niina.yliknuussi@ec.europa.eu; yhhah@kins.re.kr; karina.debeule@fanc.fgov.be; r.spiegelberg-planer@iaea.org; soaresjc@cii.fc.ul.pt; camelia.liutiev@cncan.ro; Hayden.Elizabeth; aurele.gervais@cncs-ccsn.gc.ca; marek.bozenhard@subj.cz; gerard.westerhof@minvrom.nl; lise.roberts@hse.gsi.gov.uk; ddawson@rpil.ie  
**Cc:** Evangelia.PETIT@asn.fr  
**Subject:** RE: [Japan situation] RE : NEA/CNRA - WGPC-12 meeting- Special Agenda  
**Date:** Wednesday, March 16, 2011 3:15:26 AM

---

Dear WGPC colleagues,

Following the Fukushima situation and in response to the ASN E-mail I inform you that it was already decided yesterday afternoon at the preparatory meeting that there would be this morning a special session dedicated to country's feedback on communication activities induced by this event. After the meeting we will organise a broader feedback review but first news will be appreciated.  
Best Regards

Jean Gauvain - NEA/NSD - Phone +33 1 45 24 10 52 - Mobile

(b)(6)

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

**From:** BOUCHOT Emmanuel [mailto:Emmanuel.BOUCHOT@asn.fr]  
**Sent:** Tuesday, March 15, 2011 19:34  
**To:** Treier Anton; GAUVAIN Jean, NEA/SURN; amcgarry@rpil.ie; BESENYEI Elizabeth [Hungary]; vc@aerb.gov.in; valentina.ionescu@cncan.ro; david.tredinnick@arpansa.gov.au; roberto.ranieri@isprambiente.it; marli.vogels@minvrom.nl; fgrande@cnsns.gob.mx; moisiibogdan@cncan.ro; miyake-ryo@meti.go.jp; risto.isaksson@stuk.fi; sunni.locatelli@cncs-ccsn.gc.ca; kees.jansen@minvrom.nl; dagmar.zemanova@uid.gov.sk; anneli.hallgren@ssm.se; deniz.yueksel@bmu.bund.de; watanabe-makoto@meti.go.jp; mkelly@rpil.ie; schwang@kins.re.kr; mcie@csn.es; i.sokolova@gosnadzor.ru; otake-fumie@jnes.go.jp; stanislaw.janikowski@paa.gov.pl; brafferty@rpil.ie; anne.marit.ostreng@nrpa.no; wolfgang.hilden@ec.europa.eu; niina.yliknuussi@ec.europa.eu; yhhah@kins.re.kr; karina.debeule@fanc.fgov.be; r.spiegelberg-planer@iaea.org; soaresjc@cii.fc.ul.pt; camelia.liutiev@cncan.ro; elizabeth.hayden@nrc.gov; aurele.gervais@cncs-ccsn.gc.ca; marek.bozenhard@subj.cz; gerard.westerhof@minvrom.nl; lise.roberts@hse.gsi.gov.uk; ddawson@rpil.ie  
**Cc:** PETIT Evangelia  
**Subject:** [Japan situation] RE : NEA/CNRA - WGPC-12 meeting will be held as scheduled but with flexibility

Dear members,

the media pressure concerning the Japanese nuclear events is dramatically high. Our communication team is working 24h/24.

I really apologize but I have to cancel my attendance to the 12th WGPC meeting.

Nevertheless, according to the current French situation in the field of media, I would propose the group to have discussion about the national situation of each of countries:

- type of media pressure ?
- type of media interest :
- \* Japan situation ?

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- \* national situation about nuclear activity ?
- \* other
- countermeasures for national people living in Japan
- polemics about the use of nuclear energy

I think it would be interesting to compare the different national situation in these different fields according to Japan crisis..

thank you for your comprehension.

Best regards

E . Bouchot

**From:** Hayden, Elizabeth  
**To:** "JHayden@rappaportco.com"  
**Subject:** Re: Bonjour  
**Date:** Wednesday, March 16, 2011 3:16:05 AM

---

Making arrangements to leave here Thurs afternoon since situation has deteriorated. Will keep you posted. Work is going crazy.

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

From: John H. Hayden <JHayden@rappaportco.com>  
To: Hayden, Elizabeth  
Sent: Tue Mar 15 16:28:10 2011  
Subject: RE: Bonjour

Excellent, glad to hear you made it safe & sound. Sorry the room was delayed.

I just got into the office (b)(6)  
(b)(6) Now trying to do a full day's work.

Keep me posted.

---

John H. Hayden, Jr.  
Senior Director of Leasing  
The Rappaport Companies  
8405 Greensboro Drive, 8th Floor  
McLean, VA 22102  
jhayden@rappaportco.com  
(571) 382-1222 Direct  
(b)(6) Cell  
(571) 382-1210 Fax  
www.rappaportco.com

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

From: Hayden, Elizabeth [<mailto:Elizabeth.Hayden@nrc.gov>]  
Sent: Tuesday, March 15, 2011 9:55 AM  
To: John H. Hayden  
Subject: Bonjour

Got here safely and quickly but had to wait 3 hours til my room was ready. I am at the Hotel Kyriad Prestige Ouest Boulogne - Pphone (b)(6) starting tomorrow I will be at Quality Hotel Acanthe #33 1 46 99 1040.  
Off to the team leaders meeting in an hour.

HHH/161-



**From:** [Jean.GAUVAIN@oecd.org](mailto:Jean.GAUVAIN@oecd.org)  
**To:** [Hayden, Elizabeth](#)  
**Subject:** RE: BB Charger  
**Date:** Wednesday, March 16, 2011 3:17:59 AM

---

We should find one

Jean Gauvain - NEA/NSD - Phone +33 1 45 24 10 52 - Mobile

(b)(6)

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

**From:** Hayden, Elizabeth [<mailto:Elizabeth.Hayden@nrc.gov>]  
**Sent:** Tuesday, March 15, 2011 22:13  
**To:** GAUVAIN Jean, NEA/SURN  
**Subject:** BB Charger

Jean, can I charge my blackberry at the NEA office tomorrow morning. I managed to leave mine at home!

HHH/162

**From:** Kammerer, Annie  
**To:** Kammerer, Annie; Hiland, Patrick; Skeen, David  
**Cc:** Howe, Allen; Nelson, Robert; Stutzke, Martin; Glitter, Joseph; Rihm, Roger; McDermott, Brian; Hasselberg, Rick; Chokshi, Niles; Munson, Clifford; Cook, Christopher; Flanders, Scott; Ross-Lee, MaryJane; Brown, Frederick; Glitter, Joseph; Howe, Allen; Case, Michael; Ruland, William; Dudes, Laura; Karas, Rebecca; Ake, Jon; Munson, Clifford; Hogan, Rosemary; Uhle, Jennifer; Marshall, Michael; Uselding, Lara; Randall, John; Allen, Don; Burnell, Scott; Hayden, Elizabeth; Pires, Jose; Graves, Herman; Candra, Hernando; Murphy, Andrew; Murphy, Andrew; Pires, Jose; Hogan, Rosemary; Sheron, Brian; Dricks, Victor; Warnick, Greg; Reynoso, John; Lantz, Ryan; Markley, Michael; Devlin, Stephanie; Nguyen, Quynh; Meighan, Sean; Vogel, Anton; Lantz, Ryan; Jones, Henry; Bagchi, Goutam; McIntyre, David; Thomas, Eric; Mahoney, Michael; Polickoski, James  
**Subject:** Seismic Q&As 3-16-11 3am version  
**Date:** Wednesday, March 16, 2011 4:14:35 AM  
**Attachments:** Seismic Questions for Incident Response 3-16-11 3am.pdf

---

All,

Here's the latest version of the seismic Q&As. It is (I believe) a big improvement from yesterday. We had quite a few new questions today, which were included here (not all with answers yet).

A sharepoint site is being set up for the Q&As. The link will be provided as soon as we have it so that anyone can get the latest version.

We are continuing to compile the questions that come in and update the seismic Q&A document. If you have suggested changes, or want to provide missing answers, please forward them to me (annie) for compilation. Please also CC Cliff Munson and Jon Ake.

This is a living document and will be updated daily in the foreseeable future.

Cheers,  
Annie

PS: the following people have questions assigned in this document or volunteered to help. Please look for your name or for the gaps in your area of expertise. Also, please review the questions in your area of expertise: Goutam Bagchi, Niles Chokshi, Henry Jones, Rich Raione, Mike Markley (if you can get me help on some), Jose Pires, Lara Uselding (help me get the RIV questions to the right people), Jon and Cliff. Thanks for the help!

**From:** Kammerer, Annie  
**Sent:** Tuesday, March 15, 2011 3:41 AM  
**To:** Hiland, Patrick; Skeen, David  
**Cc:** Howe, Allen; Nelson, Robert; Stutzke, Martin; Glitter, Joseph; Rihm, Roger; McDermott, Brian; Hasselberg, Rick; Kammerer, Annie; Chokshi, Niles; Munson, Clifford; Cook, Christopher; Flanders, Scott; Ross-Lee, MaryJane; Brown, Frederick; Glitter, Joseph; Howe, Allen; Case, Michael; Ruland, William; Dudes, Laura; Karas, Rebecca; Ake, Jon; Munson, Clifford; Hogan, Rosemary; Uhle, Jennifer; Marshall, Michael; Uselding, Lara; Randall, John; Allen, Don; Burnell, Scott; Hayden, Elizabeth; Pires, Jose; Graves, Herman; Candra, Hernando; Murphy, Andrew; Murphy, Andrew; Pires, Jose; Hogan, Rosemary; Sheron, Brian; Dricks, Victor; Warnick, Greg; Reynoso, John; Lantz, Ryan; Markley, Michael  
**Subject:** latest version of Q&As

All,

This is the first draft of the seismic-specific Q&As. It is pretty rough and there are many answers still missing, but people have contributed a lot and we thought it may be useful for

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many people trying to answer questions coming in.

We are continuing to compile the questions that come in and update the seismic Q&A document. If you have suggested changes, or want to provide missing answers, please forward them to me for compilation.

This is a living document and will be updated daily in the foreseeable future.

Annie

Dr. Annie Kammerer, PE  
Senior Seismologist and Earthquake Engineer  
US Nuclear Regulatory Commission  
Office of Nuclear Regulatory Research  
Washington DC 20555

(b)(6) mobile  
BB

**From:** Brenner, Eliot  
**To:** Hayden, Elizabeth  
**Subject:** Re: No help  
**Date:** Wednesday, March 16, 2011 7:10:46 AM

---

Tnx. We are going into full aggressive mode thursday, actually today. Appreciate early return.

Eliot Brenner

Director, Office of Public Affairs

US Nuclear Regulatory Commission

Protecting People and the Environment

301 415 8200

C: (b)(6)

Sent from my Blackberry

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

From: Hayden, Elizabeth

To: Akstulewicz, Brenda; Brenner, Eliot

Sent: Wed Mar 16 06:25:37 2011

Subject: No help

Got my resrvation changed to retun to US Thurs. afternoon.

HHH/164

**From:** Hayden, Elizabeth  
**To:** Brenner, Eliot  
**Subject:** Re: No help  
**Date:** Wednesday, March 16, 2011 7:23:51 AM

---

No problem. We only have 5 of 27 reps here.

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

From: Brenner, Eliot  
To: Hayden, Elizabeth  
Sent: Wed Mar 16 07:10:44 2011  
Subject: Re: No help

Tnx. We are going into full aggressive mode thursday, actually today. Appreciate early return.

Eliot Brenner

Director, Office of Public Affairs

US Nuclear Regulatory Commission

Protecting People and the Environment

301 415 8200

C: (b)(6)

Sent from my Blackberry

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

From: Hayden, Elizabeth  
To: Akstulewicz, Brenda; Brenner, Eliot  
Sent: Wed Mar 16 06:25:37 2011  
Subject: No help

Got my resrvation changed to retun to US Thurs. afternoon.

HHH/165

**From:** Thomas, Eric  
**To:** Brown, Frederick; Thorp, John; Boger, Bruce; Leeds, Eric  
**Cc:** Nelson, Robert; Gitter, Joseph; Howe, Allen; Westreich, Barry  
**Subject:** FW: 0700 EDT (March 17, 2011) USNRC Earthquake/Tsunami SitRep  
**Date:** Thursday, March 17, 2011 7:30:33 AM  
**Attachments:** NRC Status Update 3-17-11--07 00am.pdf

---

FYI for those who are not on HOO distro.

Eric

*Eric Thomas*

U.S. Nuclear Regulatory Commission  
NRR/DIRS/IOEB  
OWFN-7E24

eric.thomas@nrc.gov

301-415-6772 (office)

(b)(6)

mobile) *ed*

**From:** HOO Hoc  
**Sent:** Thursday, March 17, 2011 7:20 AM  
**To:** Thomas, Eric  
**Subject:** FW: 0700 EDT (March 17, 2011) USNRC Earthquake/Tsunami SitRep

Headquarters Operations Officer  
U.S. Nuclear Regulatory Commission  
Phone: 301-816-5100  
Fax: 301-816-5151  
email: [hoo.hoc@nrc.gov](mailto:hoo.hoc@nrc.gov)  
secure e-mail: [hoo1@nrc.sgov.gov](mailto:hoo1@nrc.sgov.gov)



**From:** LIA07 Hoc  
**Sent:** Thursday, March 17, 2011 7:16 AM  
**To:** LIA07 Hoc  
**Subject:** 0700 EDT (March 17, 2011) USNRC Earthquake/Tsunami SitRep

Attached, please find a 0700 EDT situation report from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami on March 17, 2011.  
**This Update corrects information about the US State Department's actions for employees in Japan.**

Please note that this information is "Official Use Only" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

-Jim

*HHH/166*

Jim Anderson  
Office of Nuclear Security and Incident Response  
US Nuclear Regulatory Commission  
[james.anderson@nrc.gov](mailto:james.anderson@nrc.gov)  
[LIA07.HOC@nrc.gov](mailto:LIA07.HOC@nrc.gov) (Operations Center)

**From:** Coyne, Kevin  
**To:** Coe, Doug  
**Subject:** Re: PMT Director Deputy  
**Date:** Thursday, March 17, 2011 7:27:46 AM

---

Thanks Doug - just wanted to make sure I wasn't going to be the last one in the wheelhouse. Very sorry to hear about the (b)(6)

(b)(6)

Things are running fine. Busy as always and coordination with dsa on soarca continues to be like driving a wagon train through a canyon of molasses, but we'll carry on...

I've scheduled a mid year rating dra coordination session for the 25th (its a friday, but the calendars for all the bc's were clear) and our budget continues to be a high priority (sean lost 200k of sfst funding and nro continues to hand wring and reprioritize - ngnp is now dropping rapidly in priority). AO report rewrite went forward and WB IPE memo was issued. Brian is a bit prickly about the level 3 project vis a vis our budget (it seems as if he expected us to put the millions in the budget w/o prior commission approval to cover the project - we can discuss when you get back. I attribute the comments to a momentary brain fog so haven't got too worked up about it...to be honest, I'm much more concerned about Jennifer's misunderstanding of pra methods and technology).

As you saw, Tom is taking some time off, and Val will also be out on leave over the next week. Sean is out for the next week and Gary is heading down to nasa today for an insrp briefing.

Let me know if you have any questions and have a great day!

Kevin

Sent from an NRC Blackberry

Kevin Coyne

(b)(6)

---

**From:** Coe, Doug  
**To:** Coyne, Kevin  
**Cc:** Correia, Richard  
**Sent:** Wed Mar 16 23:11:14 2011  
**Subject:** RE: PMT Director Deputy

Kevin,  
Thankyou for minding the store so well. As near as I can tell from the email traffice you are doing a super job. I know this is a lot to ask of a BC and I'm feeling pretty bad about not being there to help with everything going on. (b)(6) I won't be doing any IRC duty until April 7-9 (Fri-Sun) so unless I'm told otherwise I expect to be in the office all next week and amidst everything else will work to bring Rich up to speed as quick as possible. Just keep doing what you are doing, you have the right priorities. I'll try to keep monitoring as best I can.  
Thanks again,  
Doug

---

**From:** Coyne, Kevin  
**Sent:** Wednesday, March 16, 2011 4:35 PM  
**To:** Coe, Doug  
**Cc:** Lui, Christiana; Correia, Richard  
**Subject:** RE: PMT Director Deputy

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Thanks for the clarification Doug – it was the "....thru April 10" in Chris' email that caught my eye. Based on your earlier communication with Brian where you had volunteered for IRC duty as early as Monday, I just wanted to make sure I wasn't the only one minding the shop.

**From:** Coe, Doug  
**Sent:** Wednesday, March 16, 2011 4:31 PM  
**To:** Coyne, Kevin  
**Cc:** Lui, Christiana; Correia, Richard  
**Subject:** RE: PMT Director Deputy

Kevin, John Lubinski has accomodated me quite well. Not a large impact - see previous email. Rich will be onboard.  
Doug

---

**From:** Coyne, Kevin  
**Sent:** Wednesday, March 16, 2011 3:49 PM  
**To:** Coe, Doug  
**Cc:** Lui, Christiana  
**Subject:** RE: PMT Director Deputy

Not to throw ice water on this, but who will be running RES/DRA and turning over to Rich Correia while Doug is in the IRC? We are already short one SES manager in DRA...

**From:** Coe, Doug  
**Sent:** Wednesday, March 16, 2011 2:38 PM  
**To:** Lui, Christiana; Lubinski, John  
**Cc:** Correia, Richard; Coyne, Kevin  
**Subject:** RE: PMT Director Deputy

I will be back in the office on Monday and am willing to pitch in as needed although I was just getting oriented to the PMT position for the NLE, not having any prior experience there. If I could have next week to help smooth the transition for Rich Correia to take over as Division Director that would be optimal for us. Let me know where you would like me to fill in and I will see if I can arrange it with Rich.

**From:** Lui, Christiana  
**Sent:** Wednesday, March 16, 2011 2:01 PM  
**To:** Coe, Doug  
**Subject:** Fw: PMT Director Deputy

Do you think you can pitch in? If so, let John Lubinski know. We're looking to staff the PMT Director's position thru April 10.

---

**From:** Lubinski, John  
**To:** Cool, Donald; Reis, Terrence; Holahan, Patricia; Holahan, Vincent; Milligan, Patricia; Sullivan, Randy; Tappert, John; Lui, Christiana; Gibson, Kathy  
**Sent:** Wed Mar 16 13:11:13 2011  
**Subject:** PMT Director Deputy

I have attached a proposed schedule for us to act as PMT director. I am not sure of everyone's schedule but have heard from a few and included those individuals in the first

parts of the schedule.

Please review the attached and confirm your available for 3/19 - 3/26 by noon tomorrow.  
Also, please provide comments on the remainder of the schedule asap.

Thanks

**From:** Virgilio, Martin  
**To:** (b)(6)  
**Subject:** Fw: Intel from Ops Center - HR message needed  
**Date:** Thursday, March 17, 2011 1:57:06 PM  
**Importance:** High

---

Please do not forward

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

**From:** Sanfilippo, Nathan  
**To:** Ash, Darren  
**Cc:** Davis, Kristin; Borchardt, Bill; Virgilio, Martin; Weber, Michael  
**Sent:** Thu Mar 17 09:50:49 2011  
**Subject:** Intel from Ops Center - HR message needed

Darren,

Just wanted to pass along a bit of intel I've gathered as I've been involved in the Ops Center response. While there have been a few emails about the TAC codes to use, there hasn't been any guidance about how to charge time and any universal guidance to supervisors on the use of OT (night differential, etc.). I think it would ease the concerns of a lot of responders if we could put out a message. I've heard that different supervisors are approaching it differently, some approving and some disapproving their staff's support of the Ops Center, and many don't know of the OT rules/regs. Some folks are concerned (who have worked close to 80 hours in a week since their positions have practically no back-ups) of how they will be compensated for their time. That said - the dedication of these folks is truly impressive.

Just what I'm hearing from the streets and hoping you could help get some words out,  
Nathan

HHH/168

**From:** Helton, Donald  
**To:** Marksberry, Don; Kuritzky, Alan; Coyne, Kevin  
**Subject:** FW: Protracted Event Staffing for Reactor Safety Team Staffing for Japanese Earthquake.doc  
**Date:** Thursday, March 17, 2011 8:19:59 PM

---

This is just a re-send, because I had some indication that the original might not have gone through...

---

**From:** Helton, Donald  
**Sent:** Thursday, March 17, 2011 8:10 PM  
**To:** Marksberry, Don  
**Cc:** Coyne, Kevin; Kuritzky, Alan  
**Subject:** RE: Protracted Event Staffing for Reactor Safety Team Staffing for Japanese Earthquake.doc

Don (and Alan/Kevin to save me a separate email),

My understanding is that I am already on the list for IRC manning this weekend. However, I still do not know when. I also do not know which capacity I will be filling. I am normally on the PMT as the liason to the RST. I'm also on a PMT and RST list as a spent fuel pool specialist. I also know that, had I been in town, I would have been asked to man the RST's Severe Accident Analyst position this week, which would have been a stretch given my complete lack of familiarity with the RTM and quals for that position, despite my general cognizance of that technical discipline.

In any event, I will be getting in the car at first light tomorrow morning and should get back to the office at around 2 PM. If any of you see any emails prior to that which would indicate when I might be manning the IRC, I'd appreciate a call on my cell at (b)(6) if for no other reason than so that I can go straight home to go to sleep if I have the night shift tomorrow night...?

I am signing off for now, and won't see email again until I'm back in the office. The number above will be the best way to get in touch with me.

Don

---

**From:** Marksberry, Don  
**Sent:** Thursday, March 17, 2011 7:28 PM  
**To:** Helton, Donald  
**Subject:** FW: Protracted Event Staffing for Reactor Safety Team Staffing for Japanese Earthquake.doc

Don

You want to participate?

---

**From:** RST01 Hoc  
**Sent:** Thursday, March 17, 2011 7:05 PM  
**To:** RST01 Hoc; Hiland, Patrick; Brown, Frederick; Skeen, David; Dudes, Laura; Ruland, William; Case, Michael; Alter, Peter; Hasselberg, Rick; Rini, Brett; Berry, Rollie; Collins, Frank; Morlang, Gary; Schoenebeck, Greg; Kowalczyk, Jeffrey; Sloan, Scott; Circle, Jeff; Esmaili, Hossein; Cheok, Michael; Ward, Leonard; Laur, Steven; Salay, Michael; Schaperow, Jason; Fuller, Edward; Marksberry, Don; Kolb, Timothy; Norton, Charles; Brown, Eva; Shea, James; Vick, Lawrence; Brown, Michael; Williams, Joseph; Hart, Ken; Bloom, Steven; Padovan, Mark; Williams, Donna; Isom, James; Dozier, Jerry; Thorp, John; Kugler, Andrew  
**Subject:** Protracted Event Staffing for Reactor Safety Team Staffing for Japanese Earthquake.doc

All,

As you may be aware, the EOC is preparing extended EOC staffing. Attached is the most current draft

HHH/169

of the watchbill which extends through 3/26/2011. We are a couple shy for this weekend, but more importantly there are significant gaps to fill for next week. Please review and if your schedule permits let an RST Coordinator know if you have availability to support. Thanks in advance for your help.

Greg Schoenebeck

**From:** Scott, Michael  
**To:** Gibson, Kathy; Sheron, Brian; Coyne, Kevin; Coe, Doug; Valentin, Andrea; Case, Michael; Richards, Stuart  
**Cc:** Uhle, Jennifer  
**Subject:** Comm brief location...  
**Date:** Thursday, March 17, 2011 10:25:47 AM

---

... For the Monday Japan brief will be the 1st floor OWFN Comm briefing room.

Sent from my NRC blackberry

Michael Scott

(b)(6)

DEX 6

HHH/PT

**From:** Scott, Michael  
**To:** Sheron, Brian; Gibson, Kathy; Coyne, Kevin; Coe, Doug; Valentin, Andrea; Case, Michael; Richards, Stuart  
**Cc:** Uhle, Jennifer  
**Subject:** Re: Comm brief location...  
**Date:** Thursday, March 17, 2011 11:42:20 AM

---

I was referring to the Comm brief on Japan issues and implications as discussed at the 845. Per edo it will likely be monday morning.

Sent from my NRC blackberry  
Michael Scott

(b)(6)

Ex 6

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

From: Sheron, Brian  
To: Scott, Michael; Gibson, Kathy; Coyne, Kevin; Coe, Doug; Valentin, Andrea; Case, Michael; Richards, Stuart  
Cc: Uhle, Jennifer  
Sent: Thu Mar 17 10:38:47 2011  
Subject: RE: Comm brief location...

What briefing are you talking about? This isn't the Commission meeting? I thought that was scheduled for Tuesday?

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

From: Scott, Michael  
Sent: Thursday, March 17, 2011 10:26 AM  
To: Gibson, Kathy; Sheron, Brian; Coyne, Kevin; Coe, Doug; Valentin, Andrea; Case, Michael; Richards, Stuart  
Cc: Uhle, Jennifer  
Subject: Comm brief location...

... For the Monday Japan brief will be the 1st floor OWFN Comm briefing room.

Sent from my NRC blackberry  
Michael Scott

(b)(6)

Ex 6

HHH/171

**Wittick, Brian**

---

**From:** Wittick, Brian  
**Sent:** Friday, March 18, 2011 8:46 AM  
**To:** LIA02 Hoc; LIA03 Hoc  
**Subject:** FW: USNRC Earthquake-Tsunami Update.031811.0600EDT  
**Attachments:** NRC Status Update 3-18 11--0600am.pdf

Jenn,

Note in the attached is says the classification has changed from a INES 4 to a 5. That appears to be only partially true from the emails I forwarded you earlier. They show that DAIICHI 1-3 were changed to a 5. DAIICHI 4 was actually made a 3 and the DAINI units were all categorized as 3s. It might be worth noting the distinction (i.e. note each INES rating for each Rx separately in the table) given the concern with the SFP of DAIICHI unit 4.

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

---

**From:** LIA07 Hoc  
**Sent:** Friday, March 18, 2011 6:14 AM  
**To:** LIA07 Hoc  
**Subject:** USNRC Earthquake-Tsunami Update.031811.0600EDT

Attached, please find a 0600 EDT from March 18 situation report from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami on March 11, 2011.

Please note that this information is "Official Use Only" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

Thank you,

Rebecca Clinton  
EBT Coordinator



**From:** Salley, MarkHenry  
**To:** Gibson, Kathy  
**Cc:** Coyne, Kevin  
**Subject:** Re: Questions from Operations Center  
**Date:** Friday, March 18, 2011 7:51:26 AM

---

Kathy

I went down to the Opps Center last evening after work and met with Dan Dorman. I think I answered their questions on this.

MHS

Sent from an NRC Blackberry  
Mark Henry Salley

(b)(6)

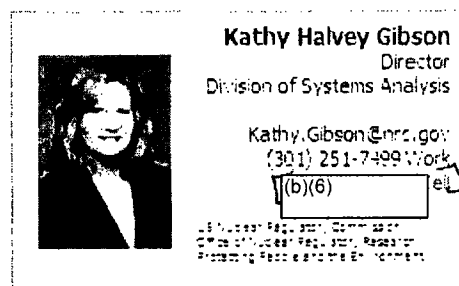
Ex 10

**From:** Gibson, Kathy  
**To:** Zigh, Ghani; Wagner, Katie  
**Cc:** Salley, MarkHenry  
**Sent:** Thu Mar 17 19:33:35 2011  
**Subject:** RE: Questions from Operations Center

Katie,

Please provide the information below to the Ops Center regarding expertise in thermal imaging.

Thanks,  
k



Ex 10

**From:** Zigh, Ghani  
**Sent:** Thursday, March 17, 2011 7:28 PM  
**To:** Gibson, Kathy  
**Subject:** FW: Questions from Operations Center

Kathy,

John Roskovensky is a sandia staff (see bottom e-mail) who can help with aerial thermal images to differentiate between oil or zirc fire.

**From:** Durbin, Samuel [sdurbin@sandia.gov]  
**Sent:** Thursday, March 17, 2011 6:30 PM

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**To:** Zigh, Ghani  
**Cc:** Roskovensky, John K; Townsend, Toby O  
**Subject:** RE: Questions from Operations Center

Ghani,

I just spoke with John Roskovensky of Org. 5717, Mission Science and Analysis. Their group may possess the expertise for determining the nature of the fire in the thermal images from the Fukushima nuclear plant, i.e. zirc fire vs. organics. The manager of the group is Toby Townsend and is copied in this email.

Sam  
*Samuel Durbin II*  
Sandia National Laboratories  
Advanced Nuclear Fuel Cycle Technologies, Organization 6223  
PO Box 5800 - MS 0747  
Albuquerque, NM 87185-0747  
Office: (505) 284-7850  
Fax: (505) 844-2348

**From:** Durbin, Samuel <sdurbin@sandia.gov>  
**To:** Zigh, Ghani  
**Sent:** Thu Mar 17 17:13:26 2011  
**Subject:** RE: Questions from Operations Center

Ghani,

We do have experts in this field. I have thus far been able to form leads but have been unable to speak directly with potentially suitable personnel to confirm their expertise.

From my own understanding, the emissive power as a function of wavelength data would be needed to determine a temperature. This data would need to accommodate the sensitivity as a function of wavelength of the imaging device and possible infrared absorption bands (esp. H<sub>2</sub>O). The corrected emissive power as a function of wavelength would be fitted to a blackbody power spectrum, ultimately resulting in the apparent fire temperature. If the instrument is sensitive enough, it should be able to differentiate between a zirc fire ~2000 K and an organic fire <1500 K.

Sam

**From:** Zigh, Ghani [mailto:Ghani.Zigh@nrc.gov]  
**Sent:** Thursday, March 17, 2011 2:17 PM  
**To:** Durbin, Samuel; Lindgren, Eric  
**Subject:** FW: Questions from Operations Center

**From:** Gibson, Kathy  
**Sent:** Thursday, March 17, 2011 2:00 PM  
**To:** Wagner, Katie  
**Cc:** Lee, Richard; Scott, Michael; Zigh, Ghani; Schaperow, Jason; Santiago, Patricia  
**Subject:** Questions from Operations Center

Katie,

I receive two questions from the Operations Center reactor safety team.

1. Request for b.5.b air oxidation in BWRs report and slides. Assigned to Jason Schaperow. He will provide the slides and the ML number for the report to either the Ops center directly or to you to forward to the ops center (email [RST01.hoc@nrc.gov](mailto:RST01.hoc@nrc.gov), contact Donna Williams)
2. Request for the name(s) of RES staff who can distinguish between zirconium fire, oil fire, steam explosion, etc from a thermal image of the Japanese reactors and spent fuel pools.
3. Assigned to Ghani Zigh. Ghani will check with Mike Salley and Sandia to see who might have these skills and provide the name(s) to me. I will then either forward them to the Ops Center or ask you to do it.

Thanks!

**From:** Salley, MarkHenry  
**To:** Coyne, Kevin  
**Subject:** Fw: Support and Logistics for the Japan Commission Meeting  
**Date:** Friday, March 18, 2011 10:04:18 PM

---

Kevin

I need someone to bang some ideas off. Can I call you tomorrow?

MHS

Sent from an NRC Blackberry

Mark Henry Salley

(b)(6)

EX 6

**From:** Grobe, Jack  
**To:** Sheron, Brian; Uhle, Jennifer; Wiggins, Jim; Evans, Michele; Miller, Charles; Haney, Catherine; Dorman, Dan; Moore, Scott; Johnson, Michael; Holahan, Gary; Leeds, Eric; Grobe, Jack; Boger, Bruce; Brenner, Eliot; Hayden, Elizabeth; Schmidt, Rebecca; Doane, Margaret; Mamish, Nader; Dyer, Jim; Brown, Milton; Hackett, Edwin; Piccone, Josephine; Wilson, George; Harrison, Donnie; Kammerer, Annie; Collins, Timothy; Milligan, Patricia; Salley, MarkHenry; Bowman, Eric  
**Cc:** Borchardt, Bill; Weber, Michael; Virgilio, Martin; Ash, Darren; Burns, Stephen; Vietti-Cook, Annette; Andersen, James; Giitter, Joseph; Howe, Allen; Nelson, Robert; McGinty, Tim; Blount, Tom; Holian, Brian; Gallagher, Johanna; Brown, Milton; Cheok, Michael; Lee, Samson; Hiland, Patrick; Skeen, David; Ruland, William; Sheron, Brian; Lubinski, John  
**Sent:** Fri Mar 18 18:06:05 2011  
**Subject:** Support and Logistics for the Japan Commission Meeting

Ladies and Gents,

We want to ask your support for several aspects of the Commission meeting on Monday morning regarding the situation in Japan.

First, the only staff at the Commission table will be Bill Borchardt.

In the well, we anticipate having the two available DEDOs (I understand that Mike Weber will be on shift) and one representative from the front office of each of the following offices (either the office director or deputy)

NRR, NRO, NSIR, RES, NMSS, FSME, OPA, OCA, OIP, CFO, ACRS

Annette Vietti-Cook has indicated that she will reserve the "quadrant" of seats nearest the microphone (on the left side of the room as the Commissioners would see it) for NRC staff. As I understand it, the right side will be for reporters and the central area will be open for general public.

In the area for NRC staff, there will be 39 seats.

From a staff perspective, we would like the highest priority available for the following individuals whom Bill will call upon to answer (on camera) any more detailed questions on the indicated subjects. Bill will have the list and ask for this person to respond to any

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question where he wants more detailed support. Some of these folks will likely already be in the well. The microphone has been moved to allow television camera access to any individual answering questions.

Protection Against Natural Disasters – Gary Holahan  
Station Blackout – George Wilson  
Severe Accident and Spent Fuel Pool Accident Progression – Jennifer Uhle  
Radiological Consequence Analysis – Cathy Haney  
Hydrogen Fires and Explosions – MarkHenry Salley  
Public Stakeholder Outreach – Elliot Brenner  
State Outreach – Josie Piccone  
International Interactions – Margie Doane  
10CFR50.54(hh)(2)/B.5.b – Eric Bowman  
Seismic Issues, Tsunami Issues, GI-199 – Annie Kammerer  
Mark I containment issues – Tim Collins  
Emergency Preparedness – Trish Milligan  
Emergency Operating procedures/SAMGs – Donnie Harrison

We understand that these people are available for the meeting. If not, please coordinate with Allen Howe to provide an equivalently capable individual.

That leaves 26 seats in the staff section for TAs and other Division Directors and above who should attend the meeting.

SECY is arranging for an e-mail to be sent out to the staff to indicate where televisions are available for other interested staff to observe the Commission meeting.

Thanks for your support.

Jack Grobe, Deputy Director  
for Engineering and Corporate Support  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission

**From:** Valentin, Andrea  
**To:** Sheron, Brian; Uhle, Jennifer; Gibson, Kathy; Scott, Michael; Case, Michael; Richards, Stuart; Coe, Doug; Coyne, Kevin  
**Cc:** Dion, Jeanne  
**Subject:** FW: Expedited Processing for Requests FOIA-2011-0118, FOIA-2011-0119, and FOIA-2011-0120  
**Date:** Friday, March 18, 2011 1:26:16 PM  
**Attachments:** JAPAN FOIA 2011-119 - RES2010519.pdf

---

Per Jennifer's request at the 8:45, Tom Kardaras looked into trying to get the Japan FOIA turned off. Based on the highlighted portions of Tom's summary below, we need senior level intervention to get this turned off since the FOIA Office accepted it as an expedited request. I'll also call Mary Muesle and see if we have any recourse.

Andrea Valentin, Acting Director  
Program Management, Policy Development and Analysis Staff  
Office of Nuclear Regulatory Research  
301-251-7497

**From:** Kardaras, Tom  
**Sent:** Friday, March 18, 2011 12:31 PM  
**To:** Valentin, Andrea  
**Subject:** FW: Expedited Processing for Requests FOIA-2011-0118, FOIA-2011-0119, and FOIA-2011-0120

**See attachment**

Andrea,

I contacted the FOIA office and spoke with Mary Jean Raphael and Jazel via teleconference. I explained the concern we had about meeting the timeliness requirement (FOIA response provided in 10-days and 90% of the requests received in a given month meet the timeliness requirement) while continuing to work in a crisis mode and our desire to get it stopped. Mary Jean explained that the timeliness requirement can't be stopped and because this specific FOIA request was granted expedited processing by the FOIA office, it must take priority over all other non-expedited FOIA request(s) currently handled within RES. That includes the SOARCA request too since it is considered a non-expedited item. During the discussion, there was no agreement reached to stop the timeliness requirement. I was provided a copy of the attached e-mail and told to do the best we can in responding to the request. The ticket that went out to Divisions, RES2010519, is currently still Open and issued to the Divisions. I did sit down with Leslie and explain what was happening on this. I can pursue this matter further if you would like but at this point, I would recommend a discussion at the senior level. Finally, I attached the FOIA and Ticket to this e-mail message in case you want to review the ticket and what the Associated Press (AP) is requesting.

Your thoughts?

HHH/MS

Regards,  
Tom Kardaras, Chief  
Information Technology and Infrastructure Branch  
Program Management, Policy Development and Analysis Staff  
Office of Nuclear Regulatory Research  
(o) 301-251-7667

**From:** Raphael, Mary Jean  
**Sent:** Friday, March 18, 2011 10:48 AM  
**To:** Kardaras, Tom  
**Subject:** FW: Expedited Processing for Requests FOIA-2011-0118, FOIA-2011-0119, and FOIA-2011-0120

**From:** Sealing, Donna (015)  
**Sent:** Friday, March 18, 2011 9:18 AM  
**To:** Muesle, Mary; Abraham, Susan; Champion, Bryan; Uhle, Jennifer; Doane, Margaret; Hayden, Elizabeth; Joosten, Sandy  
**Cc:** Clayton, Kathleen; Jaegers, Cathy; Wimbush, Andrea; Raynor, Catherine; Craver, Patti; Gorham, Tajuan; Walker(NRR), Sandra; Parks, Jazel; Isakovic, Nadja; Mitchell, Linda; Chimood, Jane; Shannon, Valerie; Champ, Billie; Mike, Linda; McKelvin, Sheila; FOIA Resource; Raphael, Mary Jean; Nichols, Russell  
**Subject:** Expedited Processing for Requests FOIA-2011-0118, FOIA-2011-0119, and FOIA-2011-0120

Good Morning All,

We have received three FOIA requests from the Associated Press for information related to the event in Japan. The requests are FOIA-2011-0118, FOIA-2011-0119, and FOIA-2011-0120. These requests have been granted expedited processing. This means that they go to the head of the line and must be processed before any other FOIA requests you may already have. You are receiving this email because your office has been assigned one or more of these expedited requests. While I recognize that you have many competing priorities in these serious and dynamic times, I would appreciate your timely response to these requests.

Thank you for your assistance in processing these requests and please keep my office informed of your search and review efforts.

Donna Sealing  
FOIA/Privacy Act Officer

From: M. Raphael

To: J. Parks

FOIA: 2011-0119

RES#: 2010519

EDO#: 0

WITS#: 0

Description: March 11th Earthquake

Special Instructions: Please provide all information as stated in the request to J. Parks by COB March 30, 2011

Document Date: 3/16/2011

Rec'd by RES: 3/17/2011

Due to RES: 3/30/2011

Due to EDO:

Assigned To: Brett Rini

Signature of:

RES Mailroom  
Briam Sheron

Due to OIS  
Due to J. Parks

3/30/2011  
3/30/2011

Task Source: ☐ International Cooperative ☐ Interagency Cooperation ☐ WITS  
☐ Commission Direction ☐ Chairman's Direction ☐ Green Ticket ☐ User Need  
☐ Contracts ☒ Other

To Concur: ☐ NRR ☐ NMSS ☐ OGC ☐ CFO ☐ OIS ☐ OIP ☐ NSIR

☐ Meet early to resolve issues with concurring offices?

☐ Storyboard Necessary

☐ Is this an EDO Roadmap item?

|                    | To Be Reviewed by:                  | To Be Signed by:         | Copy                     | N/A                      |
|--------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|
| B. Sheron:         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| J. Lyons:          | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| M. Muesle:         | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Division Director: | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

☐ No Front Office Guidance

Specify Front Office Guidance:

Thursday, March 17, 2011





Dina Cappiello  
The Associated Press  
1100 13th Street NW  
Washington, DC 20005  
202-641-9446

March 16, 2011

Donna L. Sealing  
FOIA/Privacy Officer  
U.S. Nuclear Regulatory Commission  
Mailstop: T-5 F09  
Washington, DC 20555-0001

#### FOIA REQUEST

Dear Ms. Sealing:

Pursuant to the federal Freedom of Information Act, 5 U.S.C. § 552, I request access to and copies of all internal communications within the NRC (including its chairman, four commissioners and their staff members) pertaining to the Japanese nuclear incidents caused by the March 11 earthquake and tsunami. This includes problems at the following three facilities: Fukushima Dai-ichi, Fukushima Daini, and Onagawa.

The communications should include emails, faxes, and written correspondence between the commission's chairman, its four commissioners, their staffs, the public affairs team and employees of other offices such as the Office of Nuclear Reactor Regulation, the Office of Nuclear Security and Incident Response, and the NRC's 24-hour Operations Center.

Please consider this an expedited request under the FOIA, as this information is urgently required to inform the public about an actual or alleged federal government activity, namely the role the U.S. government is playing in the response to the Japan crisis and whether what is unfolding there has implications for U.S. nuclear policy. I certify that I am a full-time employee for The Associated Press, the world's largest news-gathering organization with more than 1 billion readers, listeners and viewers.

Whether an "urgency to inform" exists depends on several factors: (1) whether the information relates to a currently unfolding story; (2) whether delaying release of the information harms the public interest; and (3) whether the request concerns federal governmental activity (*see Al-Fayed v. CIA*, 245 F.3d 300 (D.C. Cir. 2001)). In addition, "the credibility of a requester" is also a relevant consideration.

Please release any information pursuant to my requests as it is received and/or reviewed by your office, rather than waiting to send me all the material I have requested. If you have questions or need to contact me, I can be reached at 202-641-9446 and [dcappiello@ap.org](mailto:dcappiello@ap.org).

As I am making this request on behalf of the AP for use in reporting the news, no fees may be assessed for searching or reviewing documents sought by this request, and no duplication fees should be charged to the AP for the first 100 pages of material (see 5 U.S.C. § 552(a)(4)(A)(ii)(II)). AP hereby consents to pay duplication charges up to a total not to exceed \$200. Please notify me in advance before incurring any duplication charges in excess of this amount.

1100 13<sup>th</sup> St. NW, Suite 700, Washington, DC 20005-4076  
T: 202.641.9000 voice; [www.ap.org](http://www.ap.org)

FOIA/PA REQUEST  
Case No.: 2011-0119  
Date Rec'd: 3-16-11  
Specialist: Raphael  
Related Case: \_\_\_\_\_

As you know, the Act permits you to reduce or waive the fees when the release of the information is considered as "primarily benefiting the public." I believe that this request fits that category and I therefore ask that you waive any fees.

If all or any part of this request is denied, please cite the specific exemption(s) that you think justifies your refusal to release the information and inform me of your agency's administrative appeal procedures available to me under the law.

To the extent that you affirm, in whole or in part, the denial of disclosure, we ask that you provide us with a list describing with specificity the categories of documents that have been withheld and explaining the grounds for the withholding (*see Vaughn v. Rosen*, 484 F.2d 820 (D.C. Cir. 1973)).

I would appreciate your handling this request as quickly as possible, and I look forward to hearing from you.

I look forward to your reply within 20 business days, as the statute requires.

Thank you for your assistance.

Sincerely,

Dina Cappiello

## FOIA Resource

---

**From:** Cappiello, Dina [DCappiello@ap.org]  
**Sent:** Wednesday, March 16, 2011 12:55 PM  
**To:** FOIA Resource  
**Subject:** AP FOIA REQUESTS  
**Attachments:** NRCJapaneseofficials.doc; NRCinternalJapannuclear.doc; NRCDOEGEcommunications.doc

Dear FOIA officer,

Attached are three separate AP FOIA requests pertaining to the nuclear incident underway in Japan. Please email me back or call to confirm receipt.

I will also send them via regular mail, but the FOIA clock should commence upon receipt of this email.

Kind regards,

Dina Cappiello  
Environment/Energy Reporter  
The Associated Press  
1100 13<sup>th</sup> Street NW, Suite 700  
Washington, DC 20005  
(202)-641-9446 (o)

(202) 402-3597 (f)  
(b)(6)  
(c)

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[IP\_US\_DISC]msk dccc60c6d2c3a6438f0cf467d9a4938

**From:** Gibson, Kathy  
**To:** Salley, MarkHenry  
**Cc:** Coyne, Kevin; Zigh, Ghani; Wagner, Katie; Scott, Michael  
**Subject:** Re: Questions from Operations Center  
**Date:** Friday, March 18, 2011 8:08:22 AM

---

Thanks Mark!

---

**From:** Salley, MarkHenry  
**To:** Gibson, Kathy  
**Cc:** Coyne, Kevin  
**Sent:** Fri Mar 18 07:51:23 2011  
**Subject:** Re: Questions from Operations Center

Kathy

I went down to the Opps Center last evening after work and met with Dan Dorman. I think I answered their questions on this.

MHS

Sent from an NRC Blackberry

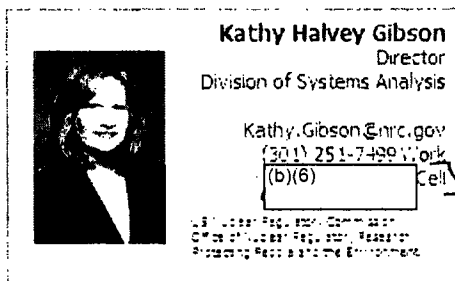
Mark Henry Salley  
(b)(6)

**From:** Gibson, Kathy  
**To:** Zigh, Ghani; Wagner, Katie  
**Cc:** Salley, MarkHenry  
**Sent:** Thu Mar 17 19:33:35 2011  
**Subject:** RE: Questions from Operations Center

Katie,

Please provide the information below to the Ops Center regarding expertise in thermal imaging.

Thanks,  
k



**From:** Zigh, Ghani  
**Sent:** Thursday, March 17, 2011 7:28 PM  
**To:** Gibson, Kathy

HAX/176

**Subject:** FW: Questions from Operations Center

Kathy,

John Roskovensky is a sandia staff (see bottom e-mail) who can help with aerial thermal images to differentiate between oil or zirc fire.

---

**From:** Durbin, Samuel [sdurbin@sandia.gov]  
**Sent:** Thursday, March 17, 2011 6:30 PM  
**To:** Zigh, Ghani  
**Cc:** Roskovensky, John K; Townsend, Toby O  
**Subject:** RE: Questions from Operations Center

Ghani,

I just spoke with John Roskovensky of Org. 5717, Mission Science and Analysis. Their group may possess the expertise for determining the nature of the fire in the thermal images from the Fukushima nuclear plant, i.e. zirc fire vs. organics. The manager of the group is Toby Townsend and is copied in this email.

Sam  
*Samuel Durbin II*  
Sandia National Laboratories  
Advanced Nuclear Fuel Cycle Technologies, Organization 6223  
PO Box 5800 - MS 0747  
Albuquerque, NM 87185-0747  
Office: (505) 284-7850  
Fax: (505) 844-2348

---

**From:** Durbin, Samuel <sdurbin@sandia.gov>  
**To:** Zigh, Ghani  
**Sent:** Thu Mar 17 17:13:26 2011  
**Subject:** RE: Questions from Operations Center

Ghani,

We do have experts in this field. I have thus far been able to form leads but have been unable to speak directly with potentially suitable personnel to confirm their expertise.

From my own understanding, the emissive power as a function of wavelength data would be needed to determine a temperature. This data would need to accommodate the sensitivity as a function of wavelength of the imaging device and possible infrared absorption bands (esp. H<sub>2</sub>O). The corrected emissive power as a function of wavelength would be fitted to a blackbody power spectrum, ultimately resulting in the apparent fire temperature. If the instrument is sensitive enough, it should be able to differentiate between a zirc fire ~2000 K and an organic fire <1500 K.

Sam

---

**From:** Zigh, Ghani [mailto:Ghani.Zigh@nrc.gov]  
**Sent:** Thursday, March 17, 2011 2:17 PM  
**To:** Durbin, Samuel; Lindgren, Eric  
**Subject:** FW: Questions from Operations Center

**From:** Gibson, Kathy  
**Sent:** Thursday, March 17, 2011 2:00 PM  
**To:** Wagner, Katie  
**Cc:** Lee, Richard; Scott, Michael; Zigh, Ghani; Schaperow, Jason; Santiago, Patricia  
**Subject:** Questions from Operations Center

Katie,

I receive two questions from the Operations Center reactor safety team.

1. Request for b.5.b air oxidation in BWRs report and slides. Assigned to Jason Schaperow. He will provide the slides and the ML number for the report to either the Ops center directly or to you to forward to the ops center (email [RST01.hoc@nrc.gov](mailto:RST01.hoc@nrc.gov), contact Donna Williams)
2. Request for the name(s) of RES staff who can distinguish between zirconium fire, oil fire, steam explosion, etc from a thermal image of the Japanese reactors and spent fuel pools.
3. Assigned to Ghani Zigh. Ghani will check with Mike Salley and Sandia to see who might have these skills and provide the name(s) to me. I will then either forward them to the Ops Center or ask you to do it.

Thanks!

**From:** E&E Publishing, LLC  
**To:** Virginia Hart  
**Subject:** Codes Enclosed -- March 18 -- ClimateWire is ready  
**Date:** Friday, March 18, 2011 8:45:06 AM

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## ClimateWire



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#### 1. POLICY: U.S. nuclear plants to get new safety reviews in wake of Fukushima 1

President Obama responded to Japan's nuclear reactor crisis yesterday by asking the Nuclear Regulatory Commission to make a comprehensive safety review of U.S. nuclear plants to assess their ability to withstand natural calamities. Speaking at the White House, NRC Chairman Gregory Jaczko said yesterday the study would be made. He repeated his statements this week that the commission considered the 104 U.S. nuclear plants to be secure, but the evidence from Japan's devastating reactor damage would be the basis for a new review.

#### 2. PUBLIC HEALTH: The daily news in Tokyo -- radiation levels

Television watchers and newspaper readers in Tokyo now have an addition to their daily weather reports. It is the daily radiation level, as measured in various parts of this sprawling city, which, according to the United Nations, is the most populated area in the world with more than 36 million people. Just 150 miles to the northeast are the smoldering ruins of Fukushima No. 1, which was one of the world's largest complexes of nuclear power plants. The radiation levels there appear to have occasionally spiked to life-threatening levels, but so far the radiation readings in and around Tokyo have remained fairly close to normal background levels.

---

#### TODAY'S STORIES

3. POLITICS: EPA rules battle, stalled in Senate, could reappear on the campaign trail

4. EMISSIONS TRADING: Japan could suspend Kyoto targets in wake of

HHH/177

calamity

5. **NATIONS:** China's climate diplomacy becomes more potent -- report
6. **BUSINESS:** Decks still stacked against venture capital for U.S. clean energy
7. **BUDGET:** Locke warns GOP budget will lead to missed data
8. **EMISSIONS:** IPCC, EPA overestimate greenhouse gas levels from septic tanks, says study
9. **LABOR:** Report urges Calif. to go slow on new worker training programs for green jobs
10. **SCIENCE:** 'Mega' heat waves to become more frequent -- study
11. **ENERGY POLICY:** Cutbacks on nuclear could spike global warming levels
12. **GERMANY:** Country considers accelerating phase-out of nuclear energy
13. **RENEWABLE ENERGY:** First-ever major tidal power station to be installed off Scottish coast
14. **UTILITIES:** Democrats criticized for accepting financing from energy company

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**From:** [Stuchell, Sheldon](#)  
**To:** [NRR DNR PIPB L...](#)  
**Subject:** FW: Action: FW: ACTION: FOIA 2011-0119  
**Date:** Friday, March 18, 2011 8:41:08 AM  
**Attachments:** [FOIA 2011-0119.pdf](#)  
[How to Respond to a FOIA Request.pdf](#)  
[NRC DNR Procedures.pdf](#)  
**Importance:** High

---

All,

Please let me know if you have been involved in and have any internal communications pertaining to the Japanese event. I need both positive and negative responses, so I can respond to Nikki.

Thanks.  
Sheldon

**From:** Valentine, Nicholee  
**Sent:** Friday, March 18, 2011 8:38 AM  
**To:** Helton, Shana; Rosenberg, Stacey; Eads, Johnny; Jolicoeur, John; Stuchell, Sheldon; Quichocho, Jessie; Kennedy, William; Voth, Marcus; Torres, Paulette; Regan, Christopher; Hopkins, Jon  
**Cc:** McGinty, Tim; Blount, Tom; Quay, Theodore  
**Subject:** Action: FW: ACTION: FOIA 2011-0119  
**Importance:** High

See action below

**From:** Craver, Patti  
**Sent:** Thursday, March 17, 2011 5:57 PM  
**To:** Titus, Brett; Cusumano, Victor; Scales, Kerby; Heida, Bruce; Susco, Jeremy; Meighan, Sean; Cartwright, William; Valentine, Nicholee; Nguyen, Quynh  
**Cc:** Ruland, William; Bahadur, Sher; Lubinski, John; Hiland, Patrick; Wilson, George; Cheok, Michael; Lee, Samson; Holian, Brian; Galloway, Melanie; Glitter, Joseph; Nelson, Robert; Howe, Allen; Brown, Frederick; Blount, Tom; Quay, Theodore; McGinty, Tim; Boger, Bruce; Grobe, Jack; Leeds, Eric; Craver, Patti  
**Subject:** ACTION: FOIA 2011-0119  
**Importance:** High

NRR along with EDO, NSIR, OIP, OPA, RES and SECY have been assigned this FOIA request from the Associated Press seeking copies of all internal communications within the NRC (including its Chairman, four Commissioners and their staff members) pertaining to the Japanese Nuclear incidents caused by the March 11 earthquake and tsunami.

No estimates are needed. Please begin processing.

This request has been granted expedited processing. It must be processed ahead of all others except for requests already determined to warrant expedition.

Any documents that you feel should be withheld must have an FOIA exemption applied and a harm statement attached.

HHH/178

I will type up the appendices to help save some time, so please provide me your division's response as soon as you can.

Let me know if you have any questions.

Thanks,  
Patti  
FOIA Coordinator  
Infrastructure Services Branch  
Program Management, Policy Development  
and Analysis Staff  
Office of Nuclear Reactor Regulation  
(301) 415-1513  
[patti.craver@nrc.gov](mailto:patti.craver@nrc.gov)



Dina Cappiello  
The Associated Press  
1100 13th Street NW  
Washington, DC 20005  
202-641-9446

March 16, 2011

Donna L. Sealing  
FOIA/Privacy Officer  
U.S. Nuclear Regulatory Commission  
Mailstop: T-5 F09  
Washington, DC 20555-0001

#### FOIA REQUEST

Dear Ms. Sealing:

Pursuant to the federal Freedom of Information Act, 5 U.S.C. § 552, I request access to and copies of all internal communications within the NRC (including its chairman, four commissioners and their staff members) pertaining to the Japanese nuclear incidents caused by the March 11 earthquake and tsunami. This includes problems at the following three facilities: Fukushima Dai-ichi, Fukushima Daini, and Onagawa.

The communications should include emails, faxes, and written correspondence between the commission's chairman, its four commissioners, their staffs, the public affairs team and employees of other offices such as the Office of Nuclear Reactor Regulation, the Office of Nuclear Security and Incident Response, and the NRC's 24-hour Operations Center.

Please consider this an expedited request under the FOIA, as this information is urgently required to inform the public about an actual or alleged federal government activity, namely the role the U.S. government is playing in the response to the Japan crisis and whether what is unfolding there has implications for U.S. nuclear policy. I certify that I am a full-time employee for The Associated Press, the world's largest news-gathering organization with more than 1 billion readers, listeners and viewers.

Whether an "urgency to inform" exists depends on several factors: (1) whether the information relates to a currently unfolding story; (2) whether delaying release of the information harms the public interest; and (3) whether the request concerns federal governmental activity (*see Al-Fayed v. CIA*, 245 F.3d 300 (D.C. Cir. 2001)). In addition, "the credibility of a requester" is also a relevant consideration.

Please release any information pursuant to my requests as it is received and/or reviewed by your office, rather than waiting to send me all the material I have requested. If you have questions or need to contact me, I can be reached at 202-641-9446 and [dcappiello@ap.org](mailto:dcappiello@ap.org).

As I am making this request on behalf of the AP for use in reporting the news, no fees may be assessed for searching or reviewing documents sought by this request, and no duplication fees should be charged to the AP for the first 100 pages of material (*see 5 U.S.C. § 552(a)(4)(A)(ii)(II)*). AP hereby consents to pay duplication charges up to a total not to exceed \$200. Please notify me in advance before incurring any duplication charges in excess of this amount.

1100 13<sup>th</sup> St. NW, Suite 700, Washington, DC 20005-4076  
T: 202.641.9000 voice; [www.ap.org](http://www.ap.org)

#### FOIA/PA REQUEST

Case No.: 2011-0119  
Date Rec'd: 3-16-11  
Specialist: Raphael  
Related Case: \_\_\_\_\_

As you know, the Act permits you to reduce or waive the fees when the release of the information is considered as "primarily benefiting the public." I believe that this request fits that category and I therefore ask that you waive any fees.

If all or any part of this request is denied, please cite the specific exemption(s) that you think justifies your refusal to release the information and inform me of your agency's administrative appeal procedures available to me under the law.

To the extent that you affirm, in whole or in part, the denial of disclosure, we ask that you provide us with a list describing with specificity the categories of documents that have been withheld and explaining the grounds for the withholding (*see Vaughn v. Rosen*, 484 F.2d 820 (D.C. Cir. 1973)).

I would appreciate your handling this request as quickly as possible, and I look forward to hearing from you.

I look forward to your reply within 20 business days, as the statute requires.

Thank you for your assistance.

Sincerely,

Dina Cappiello

## FOIA Resource

---

**From:** Cappiello, Dina [DCappiello@ap.org]  
**Sent:** Wednesday, March 16, 2011 12:55 PM  
**To:** FOIA Resource  
**Subject:** AP FOIA REQUESTS  
**Attachments:** NRCJapaneseofficials.doc; NRCInternalJapannuclear.doc; NRCDOEGEcommunications.doc

Dear FOIA officer,

Attached are three separate AP FOIA requests pertaining to the nuclear incident underway in Japan. Please email me back or call to confirm receipt.

I will also send them via regular mail, but the FOIA clock should commence upon receipt of this email.

Kind regards,

Dina Cappiello  
Environment/Energy Reporter  
The Associated Press  
1100 13<sup>th</sup> Street NW, Suite 700  
Washington, DC 20005  
(202)-641-9446 (o)  
(202)-403-3582 (f)  
(b)(6) (c)

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[IP\_US\_DISC]msk dccc60c6d2c3a6438f0cf467d9a4938

# How To Respond To An Initial FOIA Request

## What is the Freedom of Information Act (FOIA)?

The FOIA was passed by Congress in 1966. It permits any person, whether a citizen or not, to request records in possession and control of a Federal agency, and the agency must provide access to those records unless they are exempted from disclosure by one of the nine exemption categories in the Act. You should follow the steps listed below as you process a FOIA request. Each step is explained following the list.

- \_\_\_\_\_ Step 1: Make sure you clearly understand what records the requester is seeking.
- \_\_\_\_\_ Step 2: Determine if you are likely to have records subject to the request.
- \_\_\_\_\_ Step 3: Provide an estimate of search and review time and an estimate of pages if required.
- \_\_\_\_\_ Step 4: What to do if expedited processing is required.
- \_\_\_\_\_ Step 5: Search for records responsive to the request.
- \_\_\_\_\_ Step 6: Determine if records are to be released or withheld from the requester.
- \_\_\_\_\_ Step 7: Bracket information that should be withheld.
- \_\_\_\_\_ Step 8: Organize the records responsive to the request and submit them to you office FOIA coordinator.
- \_\_\_\_\_ Step 9: Submit your response package to the FOIA/PA caseworker.

### **Step 1: Make sure you clearly understand what records the requester is seeking.**

The FOIA/PA caseworker will make every effort to clarify the scope of the request before forwarding the request to the office FOIA coordinators. However, if you have questions about the request you should contact your office FOIA coordinator. If you believe you need additional clarification on the scope of the request, you should ask your office FOIA coordinator to request that the agency FOIA/PA caseworker responsible for overseeing processing of the request contact the requester for clarification or alternatively arrange a conference call with the requester at which time you may ask questions or offer suggestions to further define the scope of the request. Note that no contact should be made with the requester unless approved by the agency FOIA/PA caseworker so that all contacts with the requester meet the needs of all others who have a role in processing the request.

### **Step 2: Determine if you are likely to have records subject to the request.**

Based on your knowledge of the subject matter of the request, you should determine if you will have records responsive to the request. You are only required to look for records where you believe it is reasonable to expect you will locate paper or electronic records covered by the subject matter of the request.

Only agency records that are in existence on the date NRC received the request are subject to a FOIA request. Agency records are records created or obtained by the agency and under the agency control at the time of request. This includes records created by the NRC staff, records submitted to the NRC by applicants, licensees, contractors, Federal and state agencies, international organizations and members of the public.

No records that are potentially responsive to the FOIA request may be destroyed after receipt of the FOIA request. However, there is no need to reconstruct a record that was destroyed prior to receipt of a request nor does NRC have to inform the requester that a record does not exist since it was destroyed prior to receipt of the request. As a matter of discretion, you may include records that can be released that were created after the date a request was received if you believe it would provide a clearer picture of agency actions regarding the subject of the request.

The agency is not obligated to create a record to respond to a request. Neither does the FOIA require an agency to answer questions that are asked in a request.

Some records may be determined to be **personal records** in that they may relate to the subject of the request but have not been circulated to anyone else in the agency, are not filed with any other agency records, and you were not required to create or retain them. These records still have to be identified and retained, but the agency does not have to invoke an exemption to withhold them. The agency does have to inform the requester that there are records that have been deemed to be personal records and the number of pages. Management Directive 3.1, Freedom of Information Act, contains a Personal Record Consideration Checklist that should be filled out by the owner of the personal records and submitted to the office FOIA coordinator. Contact your office FOIA coordinator for retention requirements.

Also, if you believe responsive records may be located in other offices, or with persons who may have been previously involved in the subject matter as staff in your organization or a member of a team or project, provide that information promptly to your office FOIA coordinator. The FOIA/PA caseworker will then contact the additional office(s) to begin searching for subject records.

**Step 3: Provide an estimate of search and review time and pages if required**

Within **four** (4) working days of your office's receipt of the request, your office may be required to provide to the FOIA/PA caseworker an estimate of the amount of time expected to be required to search for, and review records, and an estimate of the number of pages (or inches) you expect will be released to the requester. This includes pages that may be released in part. Whether your office will need to provide an estimate will depend upon whether or not the requester has been granted a fee waiver. The instructions on the FOIA E-Mail Assignment Form sent to your office FOIA coordinator will inform you if a fee waiver has been granted. If granted, fee estimates are not required. Proceed to Step 5. Otherwise if fees are required, your estimates must be given to your office FOIA coordinator within the time frame specified by your office.

Fee estimate for **search time** should include all time required to locate records responsive to the FOIA request. This includes time spent locating folders in file cabinets, looking for relevant records within file folders, and searching ADAMS and other databases, and consulting with others regarding the location of responsive records. **Review time** includes the actual time each person who will be involved in the review of the records will spend determining

if the records can be released in their entirety or in part and the process of bracketing any information that will be proposed to be withheld. Duplication estimate is based of the number of pages likely to be released to the requester and **does not** include the staff-hours used to copy the records.

**Step 4: What to do if expedited processing is required.**

Your office FOIA coordinator will inform you if a request has been granted expedited processing. If a request has been granted expedited processing, you should process the expedited FOIA request before processing any previous FOIA requests. Contact your office FOIA coordinator for more specific directions if needed.

**Step 5: Search for records responsive to the request**

- a. Begin your search when instructed by the office FOIA coordinator.

Your office FOIA coordinator will tell you when to begin your search. If you had to provide a search, review or page estimate, you can expect that there may be a delay before you are instructed to begin your search. A search can begin only when a request is "perfected," which means when all fee related or other issues are resolved. If no estimates are required, your office FOIA coordinator will advise you to immediately begin your search for records.

- b. Inform your office FOIA coordinator if you believe other offices or persons have responsive records.

If you believe responsive records may be located in other offices, or with persons who may have been previously involved in the subject matter as staff in your organization or a member of a team or project, provide that information promptly to your office FOIA coordinator. Notify your office FOIA coordinator when you are aware the Commissioners or the EDO, or a Deputy EDO has been involved in the subject matter and may have responsive records or the records may be the subject of an ongoing investigation. This information is valuable because it will ensure that the agency as a whole does an adequate search for responsive records. If you know others who are processing the same request or who should be, it may be useful to work closely with them, even if they are in other offices to both ensure an adequate search and to make the search more efficient.

- c. Search all relevant files.

You must conduct, based on your knowledge of the subject matter, an adequate search of those paper and electronic files where you believe it is reasonable to expect to locate records covered by the subject matter of the request. You must include in your search the following:

- (1) paper records under your personal control including working papers you have retained in your possession
- (2) paper records maintained in your office
- (3) paper records in the NRC File Center



- (4) e-mails including property sheets in the Received, Sent, Archives, and Trash files. Note that since trash files are still within your control, e-mails responsive to a FOIA request in the trash folder must be identified, retrieved, printed out, and processed. You should also move the e-mail out of the trash folder to eliminate the possibility that an automatic deletion of e-mail will destroy the only copy.
  - (5) electronic records in ADAMS Main Library and Legacy Library including all versions.
  - (6) other electronic files, including but not limited to WordPerfect, Microsoft Word, spreadsheets, presentation files including those files stored on disks
  - (7) databases including those files stored on disks
  - (8) audio or video files or tapes.
- d. Record computer search criteria
- When a computer database such as ADAMS is searched to locate records responsive to a request, the search criteria used for conducting the search must be provided with the office response. The Department of Justice has advised agencies in order to justify that they have done an adequate search they must maintain computer search criteria. The search criteria must be provided even if no records are identified as a result of the computer search.
- e. Download or print information from computer spreadsheets or databases.
- If the requested information is in a database or spreadsheet and is retrievable by using an existing computer program or by minor program modifications or simple computer instructions, the subject information should be provided. If a program would have to be written, inform your office FOIA coordinator.
- f. If a record is already publicly available you only have to identify the ADAMS accession number and a description of the record and page count. No copy is required to be made. Otherwise you will have to provide a copy of all responsive records.

**Step 6: Determine if records are to be released or withheld from the requester.**

After you have searched and located records, you should review the records to determine if any information in the records should be withheld under any of the FOIA exemptions. In particular you should be on alert for personal privacy information, allegation information, investigative related records, proprietary information, classified, or safeguards information. When you have questions you should refer to the applicable management directive or contact your office FOIA coordinator.

Sometimes while reviewing records you will find that they contain not only information that is subject to the request but also information that is outside the scope of the request. If an entire page of a record is outside of the scope of the request, you should mark the page at the top to indicate it is "Outside-of-Scope." This page will not be provided to the requester. If outside-of-scope information is on a page containing information that is subject to the request, the outside-of-scope information must be marked "Outside-of-Scope." The requester will be provided a redacted copy of the record that does not reveal the information that is outside-of-scope. It is not necessary to apply any FOIA exemptions to the outside-of-scope information.

Brief descriptions of the FOIA Exemptions are noted below. Descriptions are also found in NRC Management Directive 3.1, Freedom of Information Act, and 10 CFR 9.17. Your office FOIA coordinator can also provide additional information.

Exemption 1: Information properly classified pursuant to an Executive Order. This includes information classified as Confidential National Security Information (C/NSI); Secret National Security Information (S/NSI) or Top Secret National Security Information (TS/NSI). **PROVIDE A FORESEEABLE HARM STATEMENT ONLY IF NOT OBVIOUS**

Exemption 2: Information relating solely to internal personnel rules and procedures.

Low 2: This exemption has historically applied to internal information of a trivial nature, such as NRC parking lists or room numbers for NRC office buildings. Public release of such information would typically cause no harm, so the agency should generally authorize discretionary release of Exemption 2(low) records.

High 2: More substantial internal matters the disclosure of which would risk circumvention of a legal requirement where the information is predominantly internal and disclosure significantly risks circumvention of statutes or agency regulations. Some examples are: critical infrastructure systems and assets, and vulnerability assessments. Other information properly withheld under this exemption includes general guidelines for conducting investigations, computer programs and source codes, bridge passcodes, agency credit card numbers, and crediting plans for future vacancies. **A FORESEEABLE HARM STATEMENT MUST BE PROVIDED FOR EXEMPTION 2(HIGH)**

Exemption 3: Information specifically exempted from public disclosure by statute. This includes (1) safeguards information (Section 147 of Atomic Energy Act (AEA)); (2) Restricted Data (RD) including Restricted Data classified at the CONFIDENTIAL (C/RD), SECRET (S/RD), and TOP SECRET (TS/RD) levels (Sections 141-145 of the AEA), (3) voluntary submitted critical infrastructure information (6 U.S.C. 133(a)(1)(A). and (4) contractor proposals not incorporated into the contract (41 U.S.C., Section 253b(m)(1). **PROVIDE A FORESEEABLE HARM STATEMENT ONLY IF NOT OBVIOUS**

Exemption 4: Trade Secrets or commercial or financial information. This includes (1) confidential business (proprietary) information; (2) licensee's physical protection or material control and accounting program information for special nuclear material (see 10 CFR 2.390(d)(1)); and (3) information submitted by a foreign source and received in confidence pursuant to 2.390(d)(2).

For confidential business (proprietary) information submitted by a company, provide a copy of the company's affidavit providing a statement of the reasons supporting the company's request that the information should be protected from public disclosure and the NRC's determination letter sent to the company. If your office determines that the information continues to be proprietary, the FOIA/PA staff, with OGC concurrence, will inform the requester in the NRC's response to the request. If you believe the record or portions are no longer proprietary, indicate those portions in your response. The FOIA/PA Officer will send a letter to the submitting company when an initial determination is made that information the

company claims as proprietary should be disclosed. The letter gives the company the opportunity to object to disclosure and if the company has any objection it must provide the agency a statement specifying the grounds why the information continues to be proprietary. The FOIA staff in consultation with OGC and the originating office will review the statement and reach a final agency decision and inform the company and the requester of that decision. **PROVIDE A FORESEEABLE HARM STATEMENT ONLY IF NOT OBVIOUS**

Exemption 5: Interagency or intraagency records that are not available through discovery during litigation. This is normally referred to as predecisional information and includes information that would reveal (1) a deliberative process but only those portions which reveal advice, opinions, and recommendations, (2) attorney work-products and (3) records covered by the attorney-client privilege. This exemption's goal is to encourage the open, frank, and candid exchange of opinions needed for good decision making, protect against premature disclosure of public policies, and protect against public confusion by disclosure of reasons and rationale that are not in fact actual reasons for agency decisions. Note that final agency decisions and interpretations can not be withheld under this exemption. **A FORESEEABLE HARM STATEMENT MUST BE PROVIDED FOR EXEMPTION 5, DELIBERATIVE PROCESS ONLY. ATTORNEY-CLIENT PRIVILEGE AND ATTORNEY-WORK PRODUCT DO NOT REQUIRE A FORESEEABLE HARM STATEMENT**

Exemption 6: Information if released would result in a clearly unwarranted invasion of personal privacy. For example, this includes social security numbers, home addresses, home or personal telephone, cell and pager numbers, personal non-government e-mail addresses, date of birth, marital status, number of children, and non-job related interests, personal medical, financial, performance and disciplinary information. For application packages, candidate evaluations, personnel forms SF 50 and SF 52, and appraisal-related records, guidance can be obtained from your office FOIA coordinator. **PROVIDE A FORESEEABLE HARM STATEMENT ONLY IF NOT OBVIOUS**

Exemption 7: Records compiled for law enforcement purposes. Sections A, C, and D are the most frequently used parts of this exemption.

7A: Disclosure could reasonably be expected to interfere with an enforcement proceeding. This exemption is used for records involved in an open allegation file, an ongoing investigation by the Office of Investigation (OI) or Office of the Inspector General (OIG), or in an ongoing enforcement action. **PROVIDE A FORESEEABLE HARM STATEMENT ONLY IF NOT OBVIOUS**

7B: Would deprive a person of a fair trial or an impartial adjudication. **PROVIDE A FORESEEABLE HARM STATEMENT ONLY IF NOT OBVIOUS**

- 7C: Disclosure could reasonably be expected to constitute an unwarranted invasion of personal privacy. (See examples under Exemption 6.) Note the threshold for invoking Exemption 7C is less than that for Exemption 6 because Exemption 6 requires that the invasion of personal privacy be clearly unwarranted. **PROVIDE A FORESEEABLE HARM STATEMENT ONLY IF NOT OBVIOUS**
- 7D: Information consists of names of individuals and other information the disclosure of which could reasonably be expected to reveal the identities of confidential sources. Confidential sources generally must have a written confidentiality agreement with the NRC. However that is not required by the OIG. **PROVIDE A FORESEEABLE HARM STATEMENT ONLY IF NOT OBVIOUS**
- 7E: Disclosure would reveal techniques and procedures for law enforcement investigations or prosecutions, or guidelines that could reasonably be expected to risk circumvention of the law. **PROVIDE A FORESEEABLE HARM STATEMENT ONLY IF NOT OBVIOUS**
- 7F: Disclosure could reasonably be expected to endanger the life or physical safety of an individual. **PROVIDE A FORESEEABLE HARM STATEMENT ONLY IF NOT OBVIOUS**

If you have questions regarding the application of exemptions you should consult with your own management or office FOIA coordinator

**Step 7: Bracket information that should be withheld.**

If the entire record is to be withheld write at the top of the first page: "Withhold All" and note the applicable FOIA exemption(s). If only a part of a record is to be withheld, whether it be part of a page, paragraph, or sentence, the information should be enclosed in brackets preferably using a red pencil and the applicable FOIA exemption noted in the margin next to the brackets. The FOIA requires that information that can be released be segregated from that which is withheld, thus it is important that you carefully consider what information can be released and what must be withheld. In particular, facts in predecisional records must be segregated from any advice, opinions or recommendations or other deliberative process information that is to be withheld. Also, make sure that information you are proposing to be withheld has not already been released to the public. Finally, remember you are only to bracket information to be withheld. The FOIA /PA Specialist is responsible for actually deleting withheld information in records prior to their release to the requester.

**Step 8: Organize the records responsive to the request and submit them to your office FOIA coordinator.**

Organize the responsive records into the following categories and list on separate pages as follows. Remember that all responsive records must be provided to the office FOIA coordinator regardless of whether they will be released or withheld in whole or in part. (Note the suggested format for compiling a list of records is as follows: Record Date, Originator, Originator Organization, Brief Subject and Page Count.)

- (1) **Records Already Publicly Available** - if in ADAMS (main and legacy libraries) include the ADAMS Accession Number or include a printout if the records were identified via an ADAMS search along with the criteria used to perform the search.
- (2) **Records Being Released in Their Entirety** - if the record is already in the ADAMS but not publicly available include the record's ADAMS Accession Number.
- (3) **Records Containing Security-Related Information** - these records will be released only to the requester and not made publicly available in ADAMS until a third FOIA request is received for the same record. When a third request is received, the record will be made publicly available in ADAMS.
- (4) **Records Being Released in Part** with the exemption(s) noted *(a foreseeable harm statement must be provided for exemptions 2(high) and 5(Deliberative Process))*.
- (5) **Records Being Withheld in Their Entirety** with the exemption(s) noted *(a foreseeable harm statement must be provided for exemptions 2(high) and 5(Deliberative Process))*.
- (6) **Records to be Referred to the Originating Office, Agency, or Company.**
  - (a) Identify any records submitted to the Commission or a Commissioner and provide a recommendation whether the record should be released or withheld because NRC policy requires Commission approval of the recommendation.
  - (b) Identify if any responsive record(s) involve(s) a subject for which litigation is either ongoing or is probable. This will ensure coordination with the Office of General Counsel, the NRC Solicitor, and when necessary the Department of Justice.
  - (c) Where an email contains the exchange between two or more offices, the submitting office is responsible for making a disclosure determination on the portions of the email originated by its staff and indicating the originating office(s) for the remaining portions.
  - (d) If a record contains proprietary information, remember to provide a copy of any affidavit provided by the submitted and any NRC decision letter. If the decision is still pending on submitted request for proprietary treatment of the record please note that in the response. Also since a letter will be sent to the submitted by the FOIA/PA Officer, please provide an address if it is not apparent on the record.

**Step 9: Submit your response package to the FOIA/PA caseworker.**

Within **ten (10)** working days, your office is required to submit records to the FOIA/PA caseworker handling the processing of the request. You should provide your office FOIA coordinator your response package within the time frame specified by your office. If you can not respond within your office's time frame, you should obtain your management approval and inform your office FOIA coordinator as soon as possible and explain why a delay will occur and when you expect to provide the complete response.

Your transmittal memo to the FOIA/PA caseworker must indicate whether the response does or does not contain security-related information. Your memo must also provide foreseeable harm statements for exemptions 2(high) and 5(Deliberative Process). You only need to provide a foreseeable harm statement for exemptions 1, 3, 4, 6, 7A and 7C if the reason

is not obvious. While each document or portion of a document protected by exemptions 2(high) and 5(*Deliberative Process*) must be addressed in a foreseeable harm statement, a single statement may cover multiple documents or multiple portions of documents, provided that the harm foreseen, and the reasons why the harm is foreseen, are the same for each. While foreseeable harm statements do not need to be lengthy, they should be reasonably specific.

You should include in your response the actual search time and review time you spent on processing the request.

Do not put your office FOIA response in ADAMS. The FOIA/PA caseworker will place the FOIA request, NRC's response(s) to the requester (including the appendices and records) in ADAMS should the determination be made that the FOIA can be made publicly available.

## **U.S. NUCLEAR REGULATORY COMMISSION NEW FREEDOM OF INFORMATION ACT PROCEDURES**

If disclosure is not prohibited by law, agencies must apply the Department of Justice's (DOJ's) "foreseeable harm" standard when deciding whether to release records. To withhold information, agencies must reasonably foresee that disclosure would cause harm. "Speculative or abstract fears" are not enough to justify nondisclosure. For example, a Freedom of Information Act (FOIA) request could ask the agency to release a draft containing preliminary recommendations. Such a record might be eligible for withholding under FOIA Exemption 5 because it contained analysis and recommendations that constituted part of a deliberative process, but that should not be the end of the agency's review. Rather, the age, content, and character of that particular draft should be reviewed in determining whether the agency reasonably foresees that disclosure would harm an interest protected by Exemption 5.

In order to comply with the "foreseeable harm" standard and encourage the discretionary release of certain types of information, the Nuclear Regulatory Commission (NRC) is implementing the following policy:

- If FOIA Exemption 5 or Exemption 2 (high) is claimed in the initial response to a FOIA request, a statement of foreseeable harm must be provided to the FOIA/Privacy Section. Exemption 5 may be invoked to withhold certain predecisional, deliberative process information. It is frequently applied to withhold information in draft documents, and to withhold attorney-client privileged information and attorney work-product. The NRC commonly uses Exemption 2 (high) in response to requests for sensitive, internally-generated security information when the disclosure of that information could allow recipients to circumvent laws or regulations.
- On the other hand, Exemption 2 (low) has historically applied to internal information of a trivial nature, such as NRC parking lists or room numbers for NRC office buildings. Public release of such information would typically cause no harm, so the agency should generally authorize discretionary releases of Exemption 2 (low) records.
- An explanation of the need to withhold information under Exemptions 6, 7(A), or 7(C) should be provided when it is not obvious why the agency is citing those exemptions. Exemption 6 protects personal privacy information when its disclosure would cause an unwarranted invasion of privacy that is not outweighed by the public interest in disclosure. Exemption 7(C) is the companion authority for withholding privacy information gathered for law enforcement purposes. Exemption 7(A) applies to law enforcement information when its disclosure could reasonably be expected to interfere with pending law enforcement proceedings.
- Exemptions 1, 3, and 4 are generally invoked when disclosure is not discretionary. Thus, an explanation of the need for these exemptions is not necessary, unless the reason for withholding information is not obvious. Exemption 1 supports withholding national security (classified) information specifically authorized to be kept secret in the interest of national defense. Exemption 3 authorizes withholding information specifically required to be protected by other federal laws. For the NRC, Exemption 3 is most often

used to withhold Safeguards Information and Restricted Data. Exemption 4 shields trade secrets and other proprietary business information generated outside the agency and is also used to protect licensees' security-related information.

- When responding to FOIA appeals, the office response must indicate that the Office Director or the Director's designee has personally approved both the decision to withhold each record (or portion thereof) and any statement of foreseeable harm accompanying the initial recommendation to withhold information.
- Another significant part of the guidelines is the establishment of a new governmental standard for defending agencies in FOIA litigation. The DOJ will defend an agency's denial of a FOIA request "only if (1) the agency reasonably foresees that disclosure would harm an interest protected by one of the statutory exemptions, or (2) disclosure is prohibited by law." The DOJ guidelines also strongly emphasize that the FOIA requires agencies to take reasonable steps to separate exempt information from information that is required to be disclosed by the FOIA and to release the nonexempt information. Whenever records cannot be fully disclosed, NRC should make partial disclosures of nonexempt information unless the redactions would leave only essentially meaningless words or phrases.



**From:** Layton, Michael  
**To:** Cubellis, Louis  
**Cc:** Erlanger, Craig; Huyck, Doug; Correia, Richard; Wastler, Sandra; Caldwell, Robert; Shropshire, Alan  
**Subject:** Re: Information on Supporting the Operations Center During the Events in Japan  
**Date:** Friday, March 18, 2011 4:29:33 PM

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Lou,

This conflict with the instructions that were sent earlier to the Branch chiefs. Please get with Craig or Doug to align and broadcast a consistent message.

Many thanks.

MCL  
Michael Layton

**From:** Cubellis, Louis  
**To:** Baxter, Brad; Biddison, John; Chalk, Wayne; Coffin, Monika; Cubellis, Louis; Erlanger, Craig; Harris, Paul; Lee, Eric; Nerret, Amanda; Opara, Stella; Pederson, Perry; Peduzzi, Francis; Resner, Mark; Rycyna, John; Tomlinson, John  
**Cc:** Wastler, Sandra; Huyck, Doug; Caldwell, Robert; Correia, Richard; Layton, Michael; Prescott, Peter; Kohen, Marshall; Schnetzler, Bonnie; Shropshire, Alan; Rivers, Joseph; Bagley, Susan  
**Sent:** Fri Mar 18 16:25:43 2011  
**Subject:** Information on Supporting the Operations Center During the Events in Japan

Good afternoon,

I understand some of our branch members are interested in working in the Ops Center during the current activation. Earlier today, I spoke with Tony McMurtray, Executive Support Team Coordinator, and he related the following:

- 1) Interested personnel should obtain their branch chief's approval before volunteering to work in the Ops Center.
- 2) Volunteers should provide the following information via e-mail to Tony ([Anthony.McMurtray@nrc.gov](mailto:Anthony.McMurtray@nrc.gov)) and the HQ Ops Officers ([HQO.hoc@nrc.gov](mailto:HQO.hoc@nrc.gov)):
  - a. First and last name
  - b. Current position or title
  - c. Office phone number
  - d. Office location
  - e. General shift(s) that you're willing to work (i.e., 7:00am – 3:00pm, 3:00 – 11:00pm, or 11:00pm – 7:00am)
  - f. Area of expertise (e.g., BWR, dose assessment, fuels, nuclear, severe accident, systems analysis, T/H, etc.)
  - g. Cell phone number, or other number where you can be reached outside your office
- 3) Anyone who has experience related to health physics or dose assessment is critically needed and can start work as soon as tomorrow's shifts (on the Protective Measures Team).

If you have any questions, please let me know.

HHH/179

Respectfully,

Lou

Louis J. Cubellis, Jr  
Integrated Security Coordination Team Leader  
U.S. Nuclear Regulatory Commission  
Office of Nuclear Security and Incident Response  
Division of Security Policy  
Integrated Security Coordination and Policy Branch  
11545 Rockville Pike  
Rockville, MD 20852  
Phone: (301) 415-7114  
Cell: (b)(6)  
Mail Stop: T-4F25M  
E-mail: [Louis.Cubellis@nrc.gov](mailto:Louis.Cubellis@nrc.gov)

**From:** Cubellis, Louis  
**To:** Layton, Michael  
**Cc:** Correia, Richard; Erlanger, Craig; Huyck, Doug; Wastler, Sandra; Caldwell, Robert; Shropshire, Alan  
**Subject:** Re: Information on Supporting the Operations Center During the Events in Japan  
**Date:** Friday, March 18, 2011 6:17:47 PM

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Thank you, sir. Have a great weekend!

Sent from my NRC BlackBerry  
Lou Cubellis

(b)(6)

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**From:** Layton, Michael  
**To:** Cubellis, Louis  
**Cc:** Correia, Richard; Erlanger, Craig; Huyck, Doug; Wastler, Sandra; Caldwell, Robert; Shropshire, Alan  
**Sent:** Fri Mar 18 17:57:00 2011  
**Subject:** Re: Information on Supporting the Operations Center During the Events in Japan

My apologies. Wasn't aware the duty was handed off to Mr. McMurtry.

Thanks for the great follow up.

MCL  
Michael Layton

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**From:** Cubellis, Louis  
**To:** Layton, Michael  
**Sent:** Fri Mar 18 16:50:25 2011  
**Subject:** Re: Information on Supporting the Operations Center During the Events in Japan

Sir,

I don't understand. I contacted Jane Marshall as Rich directed; Jane told me to talk with Tony; and I conveyed the information Tony gave me. I'd appreciate if you would help me identify what else I should have done.

V/R  
Lou

Sent from my NRC BlackBerry  
Lou Cubellis

(b)(6)

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**From:** Layton, Michael  
**To:** Cubellis, Louis  
**Cc:** Erlanger, Craig; Huyck, Doug; Correia, Richard; Wastler, Sandra; Caldwell, Robert; Shropshire, Alan  
**Sent:** Fri Mar 18 16:29:29 2011  
**Subject:** Re: Information on Supporting the Operations Center During the Events in Japan

Lou,

HHH/180

This conflict with the instructions that were sent earlier to the Branch chiefs. Please get with Craig or Doug to align and broadcast a consistent message.

Many thanks.

MCL  
Michael Layton

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**From:** Cubellis, Louis

**To:** Baxter, Brad; Biddison, John; Chalk, Wayne; Coflin, Monika; Cubellis, Louis; Erlanger, Craig; Harris, Paul; Lee, Eric; Nerret, Amanda; Opara, Stella; Pederson, Perry; Peduzzi, Francis; Resner, Mark; Rycyna, John; Tomlinson, John

**Cc:** Wastler, Sandra; Huyck, Doug; Caldwell, Robert; Correia, Richard; Layton, Michael; Prescott, Peter; Kohen, Marshall; Schnetzler, Bonnie; Shropshire, Alan; Rivers, Joseph; Bagley, Susan

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- 1) Interested personnel should obtain their branch chief's approval before volunteering to work in the Ops Center.
- 2) Volunteers should provide the following information via e-mail to Tony ([Anthony.McMurtray@nrc.gov](mailto:Anthony.McMurtray@nrc.gov)) and the HQ Ops Officers ([HOO.hoc@nrc.gov](mailto:HOO.hoc@nrc.gov)):
  - a. First and last name
  - b. Current position or title
  - c. Office phone number
  - d. Office location
  - e. General shift(s) that you're willing to work (i.e., 7:00am – 3:00pm, 3:00 – 11:00pm, or 11:00pm – 7:00am)
  - f. Area of expertise (e.g., BWR, dose assessment, fuels, nuclear, severe accident, systems analysis, T/H, etc.)
  - g. Cell phone number, or other number where you can be reached outside your office
- 3) Anyone who has experience related to health physics or dose assessment is critically needed and can start work as soon as tomorrow's shifts (on the Protective Measures Team).

If you have any questions, please let me know.

Respectfully,

Lou

Louis J. Cubellis, Jr  
Integrated Security Coordination Team Leader

U.S. Nuclear Regulatory Commission  
Office of Nuclear Security and Incident Response  
Division of Security Policy  
Integrated Security Coordination and Policy Branch  
11545 Rockville Pike  
Rockville, MD 20852  
Phone: (202) 415-7114  
Cell: (b)(6)  
Mail Stop: T-4F25M  
E-mail: [Louis.Cubellis@nrc.gov](mailto:Louis.Cubellis@nrc.gov)

**From:** Coyne, Kevin  
**To:** Abdallah.AMRI@oecd.org; hollo@nubiki.hu; pat@ujv.cz; francois.corenwinder@irsn.fr; vc@aerb.gov.in; comanest@aecl.ca; christian.kirchsteiger@ec.europa.eu; magiel.versteeg@minvrom.nl; marina.roewekamp@grs.de; mauritz.gardinge@okg.eon.se; djordje.vojnovic@gov.si; isabelle.hendrickx@tractebel.com; k109sky@kins.re.kr; agz@csn.es; rino.caporali@apat.it; vgodinez@cnsns.gob.mx; ming.ang@eon-uk.com; cotofana@nrg.eu; michel.hugon@ec.europa.eu; reino.virolainen@stuk.fi; bo.liwang@ssm.se; bassanelli@sogin.it; cillik@vuje.sk; kovacs@relko.sk; varde@barc.gov.in; muramatsu.ken@jaea.go.jp; michel.marques@cea.fr; j.mertens@fz-juelich.de; fujimoto-haruo@jnes.go.jp; tomas.jelinek@ssm.se; remy.bertrand@irsn.fr; nakai.ryodai@jaea.go.jp; vinh.dang@psi.ch; anders.hallman@ssm.se; stojka@vuje.sk; giustino.manna@jrc.nl; gabriel.georgescu@irsn.fr; bugra.kilinc@taek.gov.tr; raducu.gheorghe@cnsc-ccsn.gc.ca; jeanne-marie.lanore@irsn.fr; hbalfanz@tuev-nord.de; sabhardwaj@npcil.co.in; elter@npp.hu; ana.gomez-cobo@hse.gsi.gov.uk; pierre.le-bot@edf.fr; rlopezm@cnsns.gob.mx; shane.turner@hse.gsi.gov.uk; yolande.akl@cnsc-ccsn.gc.ca; irina.sanda@cncan.ro; pieter.degelder@belv.be; gerhard.schoen@ensi.ch; emmanuel.raimond@irsn.fr; steve.collier@hrp.no; nuc@brs.dk; atoosa.p-j.thunem@hrp.no; jan.husarcek@ujd.gov.sk; dk@beredskabsstyrelsen.dk; uchida-tsuyoshi@jnes.go.jp; bareith@nubiki.hu; ibilic@taek.gov.tr; jan-erik.holmberg@vti.fi; manfred.haferburg@wanopc.org; brinkman@nrg.eu; kiahn@kaeri.re.kr; a.lyubarskiy@jaea.org; paolo.contri@enel.com; jorma.sandberg@stuk.fi; Siu, Nathan; luciano.burgazzi@enea.it; alq@csn.es; vincent.sorel@edf.fr  
**Subject:** RE: Attendance of the WGRISK annual meeting and the task group meetings  
**Date:** Monday, March 21, 2011 10:05:00 AM

---

Dear Abdallah –

I confirm my intent to participate in the upcoming WGRisk meetings.

Best regard,

Kevin

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

**From:** Abdallah.AMRI@oecd.org [mailto:Abdallah.AMRI@oecd.org]  
**Sent:** Monday, March 21, 2011 7:01 AM  
**To:** hollo@nubiki.hu; pat@ujv.cz; francois.corenwinder@irsn.fr; vc@aerb.gov.in; comanest@aecl.ca; christian.kirchsteiger@ec.europa.eu; magiel.versteeg@minvrom.nl; marina.roewekamp@grs.de; mauritz.gardinge@okg.eon.se; djordje.vojnovic@gov.si; isabelle.hendrickx@tractebel.com; k109sky@kins.re.kr; agz@csn.es; rino.caporali@apat.it; vgodinez@cnsns.gob.mx; ming.ang@eon-uk.com; abdallah.amri@oecd.org; cotofana@nrg.eu; michel.hugon@ec.europa.eu; reino.virolainen@stuk.fi; bo.liwang@ssm.se; bassanelli@sogin.it; cillik@vuje.sk; kovacs@relko.sk; varde@barc.gov.in; muramatsu.ken@jaea.go.jp; michel.marques@cea.fr; j.mertens@fz-juelich.de; fujimoto-haruo@jnes.go.jp; tomas.jelinek@ssm.se; remy.bertrand@irsn.fr; nakai.ryodai@jaea.go.jp; vinh.dang@psi.ch; anders.hallman@ssm.se; stojka@vuje.sk; giustino.manna@jrc.nl; gabriel.georgescu@irsn.fr; bugra.kilinc@taek.gov.tr; raducu.gheorghe@cnsc-ccsn.gc.ca; jeanne-marie.lanore@irsn.fr; hbalfanz@tuev-nord.de; sabhardwaj@npcil.co.in; elter@npp.hu; ana.gomez-cobo@hse.gsi.gov.uk; pierre.le-bot@edf.fr; rlopezm@cnsns.gob.mx; shane.turner@hse.gsi.gov.uk; yolande.akl@cnsc-ccsn.gc.ca; irina.sanda@cncan.ro; pieter.degelder@belv.be; gerhard.schoen@ensi.ch; emmanuel.raimond@irsn.fr; steve.collier@hrp.no; nuc@brs.dk; atoosa.p-j.thunem@hrp.no; jan.husarcek@ujd.gov.sk; dk@beredskabsstyrelsen.dk; uchida-tsuyoshi@jnes.go.jp; bareith@nubiki.hu;

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ibilgic@taek.gov.tr; jan-erik.holmberg@vtt.fi; manfred.haferburg@wanopc.org; brinkman@nrg.eu;  
kiahn@kaeri.re.kr; a.lyubarskiy@iaea.org; paolo.contri@enel.com; jorma.sandberg@stuk.fi; Siu, Nathan;  
luciano.burgazzi@enea.it; alg@csn.es; vincent.sorel@edf.fr; Coyne, Kevin

**Subject:** Attendance of the WGRISK annual meeting and the task group meetings

Dear All,

Recognizing that many people are involved in some manner regarding Fukushima accident, **please confirm your participation** to the WGRISK annual meeting (30 March – 1 April) and to the Task Group meetings ( 28-29 March 2011) .

Thank you very much for your understanding and cooperation.

With my best regards.

**From:** Rheume, Cynthia  
**To:** Correia, Richard; McDermott, Brian; Holahan, Patricia; Westreich, Barry; Layton, Michael; Morris, Scott; Miller, Chris  
**Cc:** Evans, Michele; Wiggins, Jim; Williams, Evelyn; Cook, Bonita  
**Subject:** FW: NSIR's Mid-year Performance Appraisal Discussions  
**Date:** Tuesday, March 22, 2011 4:02:52 PM

---

To All - see below - HR approval of midyear appraisal extension for NSIR to May 31, 2011.

Cynthia Rheume  
Director, Program Management, Policy  
Development and Analysis  
Nuclear Security and Incident Response  
(301)415-6538  
Cynthia.Rheume@nrc.gov

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

From: Cohen, Miriam  
Sent: Tuesday, March 22, 2011 2:38 PM  
To: Williams, Evelyn  
Cc: Rheume, Cynthia; Abraham, Susan; Cook, Bonita; Martin, Gillian; Powell, Dawn; Gallagher, Johanna  
Subject: RE: NSIR's Mid-year Performance Appraisal Discussions

Approved...

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

From: Williams, Evelyn  
Sent: Tuesday, March 22, 2011 10:24 AM  
To: Cohen, Miriam  
Cc: Rheume, Cynthia; Abraham, Susan; Cook, Bonita; Martin, Gillian; Powell, Dawn; Gallagher, Johanna  
Subject: NSIR's Mid-year Performance Appraisal Discussions

Miriam,

NSIR management requests an extension of time to May 31, 2011, to complete mid-year performance appraisal discussions with SES/SLS and non SES/SLS employees.

This request is due to NSIR's 24/7 support for the Japan event.

Please let me know if the extension can be granted.

Thanks, E

Sent from an NRC Blackberry  
E. Williams, Branch Chief

AMB/PMDA/NSIR

(b)(6)

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**From:** Coyne, Kevin  
**To:** Lee, Richard  
**Cc:** Wagner, Katie; Wilson, George; Demoss, Gary; Beasley, Benjamin; Coe, Doug  
**Subject:** RE: Station blackout questions  
**Date:** Tuesday, March 22, 2011 1:39:36 PM  
**Importance:** High

---

Richard –

We've taken a first cut at responding to the questions, but George Wilson from the NRR electrical engineering branch has been very active in this area and should review the question and answers before a response goes back to OPA (particularly for the first question...). I've cc'ed George, but Katie should coordinate the response with him before providing a final answer back to Scott Burnell.

-Kevin

**First, has there been any update to these numbers?**

Unknown. However, our understanding is that NUREG-1776 (<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1776/>) is the most recent study specific to the station blackout rule that has been prepared by RES.

**"Coping time in hours" – is that the amount of battery power? And is it the amount the plant has, or is required to have?**

10 CFR 50.63, "Loss of all alternating current power," requires that the station blackout duration shall be based on (i) redundancy of the onsite emergency power ac power sources; (2) the reliability of the onsite emergency ac power sources; (3) the expected frequency of loss of offsite power; and (4) the probably time needed to restore offsite power. RG 1.155, "Station Blackout," (August 1988), provides guidance for determining a plant specific coping time based on these factors. In general, coping times range from 2 to 16 hours, though licensees may propose alternate durations based on plant specific factors relating to the reliability of their ac power systems.

Licensees must demonstrate that systems have sufficient capacity and capability to ensure core cooling and containment integrity are maintained for the duration of the specified coping time. Although station batteries are one of the necessary systems, other systems that provide water inventory and containment functions must also be available

**"Loss of Power events" – if a combined plant with two reactors lists two events, did each shut down for a total of four?**

Do not understand question – can a reference to a specific table or graph be provided by the questioner?

**Also, is there updated figures for the "loss of power events?"**

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NUREG/CR-6890, "Reevaluation of Station Blackout Risk at Nuclear Power Plants," (<http://www.nrc.gov/reading-rm/doc-collections/nuregs/contract/cr6890/>) examined data from 1986-2004 for four categories of loss of offsite power events: plant-centered, switchyard centered, grid-related, and weather-related.

The NRC also maintains an active data collection program on operating experience. The most recent data for loss of offsite power events can be found at the following website: <http://nrcoe.inel.gov/results/index.cfm?fuseaction=LOSP.showMenu>

**From:** Lee, Richard  
**Sent:** Tuesday, March 22, 2011 12:49 PM  
**To:** Coyne, Kevin  
**Cc:** Wagner, Katie  
**Subject:** FW: Station blackout questions

Kevin:

We need to respond to inquiry on this. Could you please have someone in your Branch or Division to take a look at this. There is also another report, NUREG/CR-6890 on station blackout too.

<http://www.nrc.gov/reading-rm/doc-collections/nuregs/contract/cr6890/>

If you know other staff in NRO or NRR knows the answers, please let me know.

Thanks, Richard

**From:** Wagner, Katie  
**Sent:** Tuesday, March 22, 2011 12:13 PM  
**To:** Santiago, Patricia; Hoxie, Chris; Elkins, Scott; Bush-Goddard, Stephanie; Zaki, Tarek  
**Cc:** Lee, Richard  
**Subject:** Station blackout questions  
**Importance:** High

All,

Do any of you know who the lead should be to answer these questions about station blackout (the questions are from a reporter see the highlighted section at the bottom of this email)? It may be another RES division or one in NRR?

Thank you,

Katie Wagner  
DSA POC for Japan-Related Requests

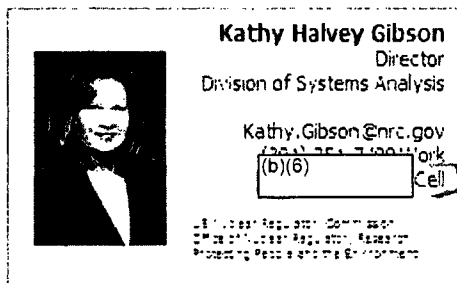
**From:** Gibson, Kathy  
**Sent:** Tuesday, March 22, 2011 11:59 AM  
**To:** Wagner, Katie  
**Cc:** Lee, Richard  
**Subject:** FW: Station blackout questions  
**Importance:** High

See if you can find this report in ADAMS and who was the cognizant office, branch, and staff.

If that doesn't work or in parallel, send an email request to our BCs and see if any of them know who the lead should be to answer these questions.

It may be another RES division or NRR, I am not sure.

If you need help processing this, see me or Richard Lee.



**From:** Burnell, Scott  
**Sent:** Tuesday, March 22, 2011 9:49 AM  
**To:** Gibson, Kathy; Scott, Michael  
**Cc:** Elkins, Scott  
**Subject:** FW: Station blackout questions  
**Importance:** High

Kathy, Mike;

I'm thinking NUREG-1776 (Regulatory Effectiveness of the Station Blackout Rule) was done by the predecessor to your division, probably under Scott's branch. I need help answering the reporter's four questions below. Thanks very much.

Scott

**From:** Mike Soraghan [mailto:msoraghan@eenews.net]  
**Sent:** Thursday, March 17, 2011 6:06 PM  
**To:** Burnell, Scott  
**Subject:** Station blackout questions

Mr. Burnell,

Thank you for taking my call a moment ago. I am looking at doing a story on station black out, with a little on seismic, that looks at all u.s. plants.

My simplest question is whether there is a list of the design basis each of the 104 reactors must meet in terms of what magnitude earthquake they must be able to withstand. I've been told that's not likely, so I'm pulling the information from news reports.

I have the 2000 report (attached) "Regulatory Effectiveness of the Station Blackout Rule." I've been looking at this, particularly the plant-by-plant chart, and I'm seeking some guidance.

First, has there been any update to these numbers?

"Coping time in hours" – is that the amount of battery power? And is it the amount the plant has, or is required to have?

"Loss of Power events" – if a combined plant with two reactors lists two events, did each shut down for a total of four?

Also, is there updated figures for the "loss of power events?"


Thank you,

**Mike Soraghan**

Reporter

[msoraghan@eenews.net](mailto:msoraghan@eenews.net)

202-446-0423 (desk)

(b)(6) (cell) 

202-709-3699 (Google Voice)

---

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**Rivera-Lugo, Richard**

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**From:** Parks, Jazel  
**Sent:** Tuesday, March 22, 2011 2:03 PM  
**To:** Rivera-Lugo, Richard; Rini, Brett  
**Subject:** RE: Expedited Processing for Requests FOIA-2011-0118, FOIA-2011-0119, and FOIA-2011-0120

**Categories:** Green Category

Now would be good

Thanks.

---

**From:** Rivera-Lugo, Richard  
**Sent:** Tuesday, March 22, 2011 2:02 PM  
**To:** Parks, Jazel; Rini, Brett  
**Subject:** RE: Expedited Processing for Requests FOIA-2011-0118, FOIA-2011-0119, and FOIA-2011-0120

Should we request the staff to start gathering their records now, or should we wait for instructions from Brian?

Richie

---

**From:** Parks, Jazel  
**Sent:** Tuesday, March 22, 2011 1:51 PM  
**To:** Rivera-Lugo, Richard; Rini, Brett; Dion, Jeanne; Ibarra, Jose; Armstrong, Kenneth  
**Cc:** Dempsey, Heather  
**Subject:** RE: Expedited Processing for Requests FOIA-2011-0118, FOIA-2011-0119, and FOIA-2011-0120

I just got a phone call from Mary Jean (FOIA) and she said that the FOIA request is not on hold and they are still expecting these records.

That email from NRR is incorrect.

She said that there will be an email coming out from senior management in OIS to ODs later on this week in regards to this FOIA request.

---

**From:** Rivera-Lugo, Richard  
**Sent:** Tuesday, March 22, 2011 12:36 PM  
**To:** Parks, Jazel; Rini, Brett; Dion, Jeanne; Ibarra, Jose; Armstrong, Kenneth  
**Subject:** RE: Expedited Processing for Requests FOIA-2011-0118, FOIA-2011-0119, and FOIA-2011-0120

Thanks Jazel. Please keep us posted. I do not want to give the DE staff more work and action items that what we already have, even more if Brett is right about the guidance for records retention.

Richie

---

**From:** Parks, Jazel  
**Sent:** Tuesday, March 22, 2011 12:29 PM  
**To:** Rini, Brett; Dion, Jeanne; Ibarra, Jose; Armstrong, Kenneth; Rivera-Lugo, Richard  
**Subject:** RE: Expedited Processing for Requests FOIA-2011-0118, FOIA-2011-0119, and FOIA-2011-0120

As far as I know, the request is on hold until the situation is contained over in Japan. Once that is done, we do need to respond to this request. I called Mary Jean but she was not at her desk. I need to go over and pick up stuff for the SOARCA FOIA, so if she is there, I will ask her.

---

**From:** Rini, Brett  
**Sent:** Tuesday, March 22, 2011 12:26 PM  
**To:** Parks, Jazel; Dion, Jeanne; Ibarra, Jose; Armstrong, Kenneth; Rivera-Lugo, Richard  
**Subject:** RE: Expedited Processing for Requests FOIA-2011-0118, FOIA-2011-0119, and FOIA-2011-0120

Do you know what the guidance is for records retention? We shouldn't be creating work for stuff in anticipation of a FOIA request. Will we definitely get that FOIA in the future?

---

**From:** Parks, Jazel  
**Sent:** Tuesday, March 22, 2011 12:25 PM  
**To:** Rini, Brett; Dion, Jeanne; Ibarra, Jose; Armstrong, Kenneth; Rivera-Lugo, Richard  
**Subject:** RE: Expedited Processing for Requests FOIA-2011-0118, FOIA-2011-0119, and FOIA-2011-0120

Yes that would be very helpful

---

**From:** Rini, Brett  
**Sent:** Tuesday, March 22, 2011 9:12 AM  
**To:** Parks, Jazel; Dion, Jeanne; Ibarra, Jose; Armstrong, Kenneth; Rivera-Lugo, Richard  
**Subject:** RE: Expedited Processing for Requests FOIA-2011-0118, FOIA-2011-0119, and FOIA-2011-0120

Do you recommend that staff set aside any e-mails that could be responsive to the FOIA now, just in case we are asked about it in the future?

---

**From:** Parks, Jazel  
**Sent:** Friday, March 18, 2011 2:35 PM  
**To:** Dion, Jeanne; Ibarra, Jose; Armstrong, Kenneth; Rini, Brett; Rivera-Lugo, Richard  
**Subject:** FW: Expedited Processing for Requests FOIA-2011-0118, FOIA-2011-0119, and FOIA-2011-0120

FYI

I do not know if this request will be reopened in the future but in the event that it is, we need to be prepared to respond to it.

Thanks!!!!

---

**From:** Valentin, Andrea  
**Sent:** Friday, March 18, 2011 2:33 PM  
**To:** Kardaras, Tom  
**Cc:** Parks, Jazel  
**Subject:** Fw: Expedited Processing for Requests FOIA-2011-0118, FOIA-2011-0119, and FOIA-2011-0120

FYI

Sent from my NRC Blackberry  
Andrea Valentin

(b)(6)

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**From:** Sheron, Brian  
**To:** Valentin, Andrea; Uhle, Jennifer; Gibson, Kathy; Scott, Michael; Case, Michael; Richards, Stuart; Coe, Doug; Coyne,

Kevin

**Cc:** Dion, Jeanne

**Sent:** Fri Mar 18 14:08:17 2011

**Subject:** Re: Expedited Processing for Requests FOIA-2011-0118, FOIA-2011-0119, and FOIA-2011-0120

Trip Rothchild turned it off. We don't have to deal with it until after the Japan crisis subsides.

---

**From:** Valentin, Andrea

**To:** Sheron, Brian; Uhle, Jennifer; Gibson, Kathy; Scott, Michael; Case, Michael; Richards, Stuart; Coe, Doug; Coyne, Kevin

**Cc:** Dion, Jeanne

**Sent:** Fri Mar 18 13:25:57 2011

**Subject:** FW: Expedited Processing for Requests FOIA-2011-0118, FOIA-2011-0119, and FOIA-2011-0120

Per Jennifer's request at the 8:45, Tom Kardaras looked into trying to get the Japan FOIA turned off. Based on the highlighted portions of Tom's summary below, we need senior level intervention to get this turned off since the FOIA Office accepted it as an expedited request. I'll also call Mary Muesle and see if we have any recourse.

Andrea Valentin, Acting Director

Program Management, Policy Development and Analysis Staff

Office of Nuclear Regulatory Research

301-251-7497

---

**From:** Kardaras, Tom

**Sent:** Friday, March 18, 2011 12:31 PM

**To:** Valentin, Andrea

**Subject:** FW: Expedited Processing for Requests FOIA-2011-0118, FOIA-2011-0119, and FOIA-2011-0120

**See attachment**

Andrea,

I contacted the FOIA office and spoke with Mary Jean Raphael and Jazel via teleconference. I explained the concern we had about meeting the timeliness requirement (FOIA response provided in 10-days and 90% of the requests received in a given month meet the timeliness requirement) while continuing to work in a crisis mode and our desire to get it stopped. Mary Jean explained that the timeliness requirement can't be stopped and because this specific FOIA request was granted expedited processing by the FOIA office, it must take priority over all other non-expedited FOIA request(s) currently handled within RES. That includes the SOARCA request too since it is considered a non-expedited item. During the discussion, there was no agreement reached to stop the timeliness requirement. I was provided a copy of the attached e-mail and told to do the best we can in responding to the request. The ticket that went out to Divisions, RES2010519, is currently still Open and issued to the Divisions. I did sit down with Leslie and explain what was happening on this. I can pursue this matter further if you would like but at this point, I would recommend a discussion at the senior level. Finally, I attached the FOIA and Ticket to this e-mail message in case you want to review the ticket and what the Associated Press (AP) is requesting.

Your thoughts?

Regards,

Tom Kardaras, Chief

Information Technology and Infrastructure Branch  
Program Management, Policy Development and Analysis Staff  
Office of Nuclear Regulatory Research  
(o) 301-251-7667

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**From:** Raphael, Mary Jean  
**Sent:** Friday, March 18, 2011 10:48 AM  
**To:** Kardaras, Tom  
**Subject:** FW: Expedited Processing for Requests FOIA-2011-0118, FOIA-2011-0119, and FOIA-2011-0120

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**From:** Sealing, Donna  
**Sent:** Friday, March 18, 2011 9:18 AM  
**To:** Muesse, Mary; Abraham, Susan; Champion, Bryan; Uhle, Jennifer; Doane, Margaret; Hayden, Elizabeth; Joosten, Sandy  
**Cc:** Clayton, Kathleen; Jaegers, Cathy; Wimbush, Andrea; Raynor, Catherine; Craver, Patti; Gorham, Tajuan; Walker(NRR), Sandra; Parks, Jazel; Isakovic, Nadja; Mitchell, Linda; Chimood, Jane; Shannon, Valerie; Champ, Billie; Mike, Linda; McKelvin, Sheila; FOIA Resource; Raphael, Mary Jean; Nichols, Russell  
**Subject:** Expedited Processing for Requests FOIA-2011-0118, FOIA-2011-0119, and FOIA-2011-0120

Good Morning All,

We have received three FOIA requests from the Associated Press for information related to the event in Japan. The requests are FOIA-2011-0118, FOIA-2011-0119, and FOIA-2011-0120. These requests have been granted expedited processing. This means that they go to the head of the line and must be processed before any other FOIA requests you may already have. You are receiving this email because your office has been assigned one or more of these expedited requests. While I recognize that you have many competing priorities in these serious and dynamic times, I would appreciate your timely response to these requests.

Thank you for your assistance in processing these requests and please keep my office informed of your search and review efforts.

Donna Sealing  
FOIA/Privacy Act Officer



## Weaver, Tonna

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**From:** Kammerer, Annie  
**Sent:** Wednesday, March 23, 2011 3:15 AM  
**To:** Kammerer, Annie; Hiland, Patrick; Skeen, David; Case, Michael; RST01 Hoc  
**Cc:** Howe, Allen; Nelson, Robert; Stutzke, Martin; Giitter, Joseph; Rihm, Roger; McDermott, Brian; Hasselberg, Rick; Chokshi, Niles; Munson, Clifford; Cook, Christopher; Flanders, Scott; Ross-Lee, MaryJane; Brown, Frederick; Ruland, William; Dudes, Laura; Karas, Rebecca; Ake, Jon; Hogan, Rosemary; Uhle, Jennifer; Marshall, Michael; Uselding, Lara; Randall, John; Allen, Don; Burnell, Scott; Hayden, Elizabeth; Pires, Jose; Graves, Herman; Candra, Hernando; Murphy, Andrew; Sheron, Brian; Dricks, Victor; Warnick, Greg; Reynoso, John; Lantz, Ryan; Markley, Michael; Orders, William; Santiago, Patricia; Snodderly, Michael; Baggett, Steven; Sosa, Belkys; Davis, Roger; Franovich, Mike; Castleman, Patrick; Sharkey, Jeffry; Boska, John; Ma, John; Tegeler, Bret; Patel, Pravin; Shams, Mohamed; Morris, Scott; Brenner, Eliot; Harrington, Holly; Seber, Dogan; Ledford, Joey; Johnson, Michael; Virgilio, Martin; Holahan, Vincent; Bergman, Thomas; Webb, Michael; Manoly, Kamal; Khanna, Meena; Screnci, Diane; Thomas, Eric; Nguyen, Quynh; Meighan, Sean; FOIA Response.hoc Resource; Bensi, Michelle  
**Subject:** Seismic Q&As March 22th 10pm update  
**Attachments:** Diablo Canyon Q&As.pdf; SONGS Q&As.pdf; Seismic Questions for Incident Response 3-22-11 10 pm.pdf

All,

Attached please find an updated set of Q&As. I also included some new Q&As for SONGS and Diablo Canyon, just in case anyone is interested.

This version has an expanded set of definitions and new sections on station blackout, spent fuel, flooding and some other topics. It also has fewer duplicate questions.

Let me also pass on a tidbit of info. According to TEPCO (via an NEI press release), the tsunami at Fukushima was 14 meters and the design tsunami level was 5.7 meters. The reactors and backup power sources were at 10 meters and at 13 meters. Ouch.

Cheers,  
Annie

---

**From:** Kammerer, Annie  
**Sent:** Sunday, March 20, 2011 11:00 PM  
**To:** Kammerer, Annie; Hiland, Patrick; Skeen, David; Case, Michael; RST01 Hoc  
**Cc:** Howe, Allen; Nelson, Robert; Stutzke, Martin; Giitter, Joseph; Rihm, Roger; McDermott, Brian; Hasselberg, Rick; Chokshi, Niles; Munson, Clifford; Cook, Christopher; Flanders, Scott; Ross-Lee, MaryJane; Brown, Frederick; Ruland, William; Dudes, Laura; Karas, Rebecca; Ake, Jon; Hogan, Rosemary; Uhle, Jennifer; Marshall, Michael; Uselding, Lara; Randall, John; Allen, Don; Burnell, Scott; Hayden, Elizabeth; Pires, Jose; Graves, Herman; Candra, Hernando; Murphy, Andrew; Sheron, Brian; Dricks, Victor; Warnick, Greg; Reynoso, John; Lantz, Ryan; Markley, Michael; Orders, William; Santiago, Patricia; Snodderly, Michael; Baggett, Steven; Sosa, Belkys; Davis, Roger; Franovich, Mike; Castleman, Patrick; Sharkey, Jeffry; Boska, John; Ma, John; Tegeler, Bret; Patel, Pravin; Shams, Mohamed; Morris, Scott; Brenner, Eliot; Harrington, Holly; Seber, Dogan; Ledford, Joey; Johnson, Michael; Virgilio, Martin; Holahan, Vincent; Bergman, Thomas; Webb, Michael; Manoly, Kamal; Khanna, Meena; Screnci, Diane; Thomas, Eric; Nguyen, Quynh; Meighan, Sean; FOIA Response.hoc Resource; Bensi, Michelle  
**Subject:** Seismic Q&As March 20th 8pm update

All,

HHH/185

Here's today's version. It includes updates on related topics for tomorrow's briefing. Also, some of the sections have been streamlined and some (though not all) of the answers have been updated.

The biggest news from the seismic team's perspective is that starting tomorrow a very bright young risk analyst (Michelle Bensi) who recently joined us from UC Berkeley (my beloved alma mater) will be helping with the compilation of this document. That will allow our team to spend more time cleaning and streamlining it; which inevitably will make it more user friendly...and shorter! Starting with tomorrow's version her name will start to show up on the front.

Best of luck to everyone with the briefing tomorrow!

Annie

From: Kammerer, Annie

Sent: Saturday, March 19, 2011 9:00 AM

To: Kammerer, Annie; Hiland, Patrick; Skeen, David; Case, Michael; RST01 Hoc

Cc: Howe, Allen; Nelson, Robert; Stutzke, Martin; Giitter, Joseph; Rihm, Roger; McDermott, Brian; Hasselberg, Rick; Chokshi, Nilesh; Munson, Clifford; Cook, Christopher; Flanders, Scott; Ross-Lee, MaryJane; Brown, Frederick; Ruland, William; Dudes, Laura; Karas, Rebecca; Ake, Jon; Hogan, Rosemary; Uhle, Jennifer; Marshall, Michael; Uselding, Lara; Randall, John; Allen, Don; Burnell, Scott; Hayden, Elizabeth; Pires, Jose; Graves, Herman; Candra, Hernando; Murphy, Andrew; Sheron, Brian; Dricks, Victor; Warnick, Greg; Reynoso, John; Lantz, Ryan; Markley, Michael; Orders, William; Santiago, Patricia; Snodderly, Michael; Baggett, Steven; Sosa, Belkys; Davis, Roger; Franovich, Mike; Castleman, Patrick; Sharkey, Jeffry; Boska, John; Ma, John; Tegeler, Bret; Patel, Pravin; Shams, Mohamed; Morris, Scott; Brenner, Eliot; Harrington, Holly; Seber, Dogan; Ledford, Joey; Johnson, Michael; Virgilio, Martin; Holahan, Vincent; Bergman, Thomas; Webb, Michael; Manoly, Kamal; Khanna, Meena; Screnci, Diane; Thomas, Eric; Nguyen, Quynh; Meighan, Sean; FOIAResource.hoc@nrc.gov

Subject: Seismic Q&As March 19th 8am update

All,

Here is today's updated version. Lot of new fact sheets have been prepared for various briefings and for Monday's public meeting!

However, the big news of the day is that we just sent off a 6 page, 22 question, much better edited version for a public Q&A set. It's all in OPA's capable hands now. I think it's pretty good...but then I'm biased.

Cheers,  
Annie

From: Kammerer, Annie

Sent: Friday, March 18, 2011 6:51 AM

To: Kammerer, Annie; Hiland, Patrick; Skeen, David; Case, Michael; RST01 Hoc

Cc: Howe, Allen; Nelson, Robert; Stutzke, Martin; Giitter, Joseph; Rihm, Roger; McDermott, Brian; Hasselberg, Rick; Chokshi, Nilesh; Munson, Clifford; Cook, Christopher; Flanders, Scott; Ross-Lee, MaryJane; Brown, Frederick; Ruland, William; Dudes, Laura; Karas, Rebecca; Ake, Jon; Hogan, Rosemary; Uhle, Jennifer; Marshall, Michael; Uselding, Lara; Randall, John; Allen, Don; Burnell, Scott; Hayden, Elizabeth; Pires, Jose; Graves, Herman; Candra, Hernando; Murphy, Andrew; Sheron, Brian; Dricks, Victor; Warnick, Greg; Reynoso, John; Lantz, Ryan; Markley, Michael; Orders, William; Santiago, Patricia; Snodderly, Michael; Baggett, Steven; Sosa, Belkys; Davis, Roger; Franovich, Mike; Castleman, Patrick; Sharkey, Jeffry; Boska, John; Ma, John; Tegeler, Bret; Patel, Pravin; Shams, Mohamed; Morris, Scott; Brenner, Eliot; Harrington, Holly; Seber, Dogan; Ledford, Joey; Johnson, Michael; Virgilio, Martin; Holahan, Vincent; Bergman, Thomas; Webb, Michael; Manoly, Kamal; Khanna, Meena; Screnci, Diane; Thomas, Eric; Nguyen, Quynh; Meighan, Sean

Subject: RE: Seismic Q&As March 18th 5am update

All,

Please see the updated version of the Seismic Q&As.

Among today's highlights:

\*We added a Terms and Definitions section at the end of the document. (We know that an acronyms list would be helpful too, but it will have to wait a little) \*The "additional information" section has been split into tables, plots, and fact sheets \*A high-level draft fact sheet on NRC's seismic regulations has been added \*We added a section to track outstanding questions that have come in from congress. This will support those who get the tickets in the short terms (most likely NRR). The questions will be moved to the appropriate sections long term (as long as they are not duplicates.)

I'm sure we all agree this has been a crazy week!. We're hoping that the weekend workload is lighter (if only because we won't get as many email from in house) and we can clean up this document and fill in some of the missing answers in preparation for the news story changing. We're trying hard to get out in front of the next wave.

Cheers,  
Annie

---

From: Kammerer, Annie

Sent: Thursday, March 17, 2011 2:36 AM

To: Kammerer, Annie; Hiland, Patrick; Skeen, David; Case, Michael; RST01 Hoc

Cc: Howe, Allen; Nelson, Robert; Stutzke, Martin; Gitter, Joseph; Rihm, Roger; McDermott, Brian; Hasselberg, Rick; Chokshi, Niles; Munson, Clifford; Cook, Christopher; Flanders, Scott; Ross-Lee, MaryJane; Brown, Frederick; Gitter, Joseph; Howe, Allen; Ruland, William; Dudes, Laura; Karas, Rebecca; Ake, Jon; Munson, Clifford; Hogan, Rosemary; Uhle, Jennifer; Marshall, Michael; Uselding, Lara; Randall, John; Allen, Don; Burnell, Scott; Hayden, Elizabeth; Pires, Jose; Graves, Herman; Candra, Hernando; Murphy, Andrew; Murphy, Andrew; Pires, Jose; Hogan, Rosemary; Sheron, Brian; Dricks, Victor; Warnick, Greg; Reynoso, John; Lantz, Ryan; Markley, Michael; Orders, William; Santiago, Patricia; Snodderly, Michael; Baggett, Steven; Sosa, Belkys; Davis, Roger; Franovich, Mike; Castleman, Patrick; Sharkey, Jeffery; Boska, John; Ma, John; Tegeler, Bret; Patel, Pravin; Shams, Mohamed; Morris, Scott; Brenner, Eliot; Harrington, Holly; Seber, Dogan; Ledford, Joey; Johnson, Michael; Virgilio, Martin; Holahan, Vincent; Bergman, Thomas

Subject: Seismic Q&As March 17th 2am update All,

As promised, a sharepoint site has been set up where our friends in NRR will be posting the latest version of the Seismic Q&A document on an ongoing basis. If someone would prefer to use the sharepoint site, instead of being on this distribution list, please let me know...

<http://portal.nrc.gov/edo/nrr/NRR%20TA/FAQ%20Related%20to%20Events%20Occuring%20in%20Japan/Forms/AllItems.aspx>

This latest update has a number of new questions (not many with answers today, but we are working hard). A high priority question we are working on is "how many plants are near a mapped active fault". We're focusing on anything within 50 miles. We're also pulling relevant questions from the congressional inquiries we just received; and will also give these high priority to support any needs by NRR.

Many new figures and some draft fact sheets have added to the "additional information" section. These include the NRO half of a tsunami fact sheet...a description of the tsunami research is still to come from RES.

Some good news: Yesterday's version seems to have been widely forwarded around the agency. So, we are also starting to get some excellent questions from staff looking forward. This is allowing us to feel that we are finally getting out in front of things to a small degree. Also, our team has grown and we now have someone acting as source of seismic expertise for the 11pm to 7 am shift. This means that we now have seismic experts available to the RST and OPA at the Op Center 24 hours, with 2 people during the day. That extra support is allowing us to get this out at least an hour earlier today ☺

We are continuing to compile the questions that come in and update the seismic Q&A document. If you have suggested changes, or want to provide missing answers, please forward them to me for compilation.

This is a living document and will be updated daily in the foreseeable future.

Happy St. Paddy's Day. May the world (especially our friends in Japan) have the luck of the Irish today.

Cheers,  
Annie

Dr. Annie Kammerer, PE  
Senior Seismologist and Earthquake Engineer US Nuclear Regulatory Commission Office of Nuclear  
Regulatory Research Washington DC 20555

(b)(6) mobile  
BB

From: Kammerer, Annie  
Sent: Tuesday, March 15, 2011 3:41 AM  
To: Hiland, Patrick; Skeen, David  
Cc: Howe, Allen; Nelson, Robert; Stutzke, Martin; Gitter, Joseph; Rihm, Roger; McDermott, Brian; Hasselberg, Rick; Kammerer, Annie; Chokshi, Nilesh; Munson, Clifford; Cook, Christopher; Flanders, Scott; Ross-Lee, MaryJane; Brown, Frederick; Gitter, Joseph; Howe, Allen; Case, Michael; Ruland, William; Dudes, Laura; Karas, Rebecca; Ake, Jon; Munson, Clifford; Hogan, Rosemary; Uhle, Jennifer; Marshall, Michael; Uselding, Lara; Randall, John; Allen, Don; Burnell, Scott; Hayden, Elizabeth; Pires, Jose; Graves, Herman; Candra, Hernando; Murphy, Andrew; Murphy, Andrew; Pires, Jose; Hogan, Rosemary; Sheron, Brian; Dricks, Victor; Warnick, Greg; Reynoso, John; Lantz, Ryan; Markley, Michael  
Subject: latest version of Q&As

All,

This is the first draft of the seismic-specific Q&As. It is pretty rough and there are many answers still missing, but people have contributed a lot and we thought it may be useful for many people trying to answer questions coming in.

We are continuing to compile the questions that come in and update the seismic Q&A document. If you have suggested changes, or want to provide missing answers, please forward them to me for compilation.

This is a living document and will be updated daily in the foreseeable future.

Annie

Dr. Annie Kammerer, PE  
Senior Seismologist and Earthquake Engineer US Nuclear Regulatory Commission Office of Nuclear  
Regulatory Research Washington DC 20555

(b)(6) mobile  
BB

## **What does the design of the Diablo Canyon nuclear plant say about the risk of a large earthquake?**

### **1) Could an earthquake and tsunami the size of the one in Japan happen at Diablo Canyon?**

No. This earthquake occurred on a "subduction zone", which is the type of tectonic region that produces the largest magnitude earthquake. A subduction zone is a tectonic plate boundary where one tectonic plate is pushed under another plate. Subduction zone earthquakes are also required to produce the kind of massive tsunami seen in Japan. In the continental US, the only subduction zone is the Cascadia subduction zone which lies off the coast of far northern California, Oregon and Washington. So, a continental earthquake and tsunami as large as in Japan could only happen there. Outside of the Cascadia subduction zone, earthquakes are not expected to exceed a magnitude of approximately 8.25; and that would only occur on the largest fault lines, such as the San Andreas fault, which is 50 miles away onshore.

### **2) What magnitude earthquake are currently operating US nuclear plants such as Diablo Canyon designed to?**

Each reactor is designed for a different ground motion that is determined on a site-specific basis. Ground motion is a function of both the magnitude of an earthquake and the distance from the fault to the site; and it is ground motion that causes damage. So, Nuclear plants, and in fact all engineered structures, are actually designed based on ground motion levels, not earthquake magnitudes. The existing nuclear plants were designed based on a "deterministic" or "scenario earthquake" basis that accounted for the largest earthquakes expected in the area around the plant. The scenario earthquake at Diablo is a magnitude 7.5 on the Hosgri Fault 3 miles from the main plant. This earthquake results in a ground motion that has a peak ground acceleration of 0.75g, that is 75% of the acceleration of gravity.

### **3) Could the newly discovered Shoreline Fault produce a larger "Scenario Earthquake"?**

The NRC's preliminary analyses indicate that the ground motions from the largest earthquakes expected on the smaller Shoreline Fault do not exceed the ground motions from the Hosgri Fault, for which the plant has already been analyzed and been found to be safe. NRC is currently reviewing the Final Report on the Shoreline Fault that was submitted to the NRC earlier this year. The NRC is performing an independent analysis of potential ground motions based the data contained in the report and other information. Much of the data on the Shoreline Fault comes from the USGS in Menlo Park.

### **4) Could Diablo Canyon withstand an earthquake of the magnitude of the Japanese earthquake?**

It could withstand the ground shaking experienced by the Japanese nuclear plants. As discussed above, it is actually ground motions that structures, systems, and components "feel". We do not have direct recordings of ground motion at the Japanese reactors. However, we do have estimates of shaking that come from a ShakeMap produced by the the K-NET system. The ground motion at the Japanese nuclear reactors is believed to be somewhat smaller than the 0.75g peak ground acceleration that Diablo Canyon has been analyzed to. Do, Diablo Canyon could withstand the ground shaking experienced by the Fukushima plant.

In fact, the Fukushima plant also withstood the earthquake. In the hour or so after the earthquake the Fukushima plant's safety systems, including the diesel generators, performed as expected and effectively shut down the reactor. The cause of the problems at the plant stemmed from the loss of emergency power that appears to be the direct result of the subsequent tsunami, which far exceeded the design basis tsunami for the Fukushima plant.

**5) Is Diablo Canyon's equipment vulnerable to tsunami?**

Nuclear plants are designed to withstand protection against natural phenomena such as tsunami, earthquakes. Diablo Canyon's main plant is located above the flood level associated with tsunami. The intake structures and Auxiliary Sea Water System at Diablo canyon are designed for combination of tsunami and storm wave activity.

**6) How do we know that the emergency diesel generators in Diablo Canyon and SONGS will not fail to operate like in Japan?**

Emergency Diesel Generators (EDGs) are installed in a seismically qualified structure. Even if these EDGs did fail, plants can safely shutdown using station blackout power source law 10 CFR 50.63. In 1988 the NRC concluded that additional regulatory requirements were justified in order to provide further assurance that a loss of both offsite and onsite emergency ac power systems would not adversely affect public health and safety and the station blackout rule was enacted. Studies conducted by the NRC since this rule has been in effect confirms that the hardware and procedures that have been implemented to meet the station blackout requirements have resulted in significant risk reduction and have further enhanced defense-in-depth. However, we plan to carefully evaluate the lessons learned from the events in Japan to determine if enhancements to the station blackout rule are warranted.

**7) Was there any damage to Diablo Canyon from either the earthquake or the resulting tsunami?**

A small tsunami did hit the region around Diablo Canyon. There was no damage at the nuclear plant.

**8) How do we know the evacuation routes in the region around Diablo Canyon are realistic?**

FEMA reviews off-site evacuation plans formally every 2 years during a biennial emergency preparedness exercise. NRC evaluates on-site evacuation plans during the same exercise. Population studies are formally done every 10 years, and evacuation time estimates are re-evaluated at that time. FEMA reviews these evacuation plans, and will conclude their acceptability through a finding of "reasonable assurance" that the off-site facilities and infrastructure is capable of protecting public health and safety in the event of an emergency at DCNPP.

## **What Does the Japanese Earthquake Mean to San Onofre?**

### **1) Could an earthquake and tsunami the size of the one in Japan happen at San Onofre?**

No. This earthquake occurred on a "subduction zone", which is the type of tectonic region that produces the largest magnitude earthquake. A subduction zone is a tectonic plate boundary where one tectonic plate is pushed under another plate. Subduction zone earthquakes are also required to produce the kind of massive tsunami seen in Japan. In the continental US, the only subduction zone is the Cascadia subduction zone which lies off the coast of far northern California, Oregon and Washington. So, a continental earthquake and tsunami as large as in Japan could only happen there. Outside of the Cascadia subduction zone, earthquakes are not expected to exceed a magnitude of approximately 8.25; and that would only occur on the largest fault lines, such as the San Andreas fault, which is 50 miles away onshore.

### **2) What magnitude earthquake are currently operating US nuclear plants such as SONGS designed to?**

Each reactor is designed for a different ground motion that is determined on a site-specific basis. Ground motion is a function of both the magnitude of an earthquake and the distance from the fault to the site; and it is ground motion that causes damage. So, Nuclear plants, and in fact all engineered structures, are actually designed based on ground motion levels, not earthquake magnitudes. The existing nuclear plants were designed based on a "deterministic" or "scenario earthquake" basis that accounted for the largest earthquakes expected in the area around the plant. The scenario earthquake at SONGS is a magnitude 7 approximately 5 miles from the main plant. This earthquake results in a ground motion that has a peak ground acceleration of 0.67g, that is 67% of the acceleration of gravity.

### **3) Could San Onofre withstand an earthquake of the magnitude of the Japanese earthquake?**

It could withstand the ground shaking experienced by the Japanese nuclear plants. As discussed above, it is actually ground motions that structures, systems, and components "feel". We do not have direct recordings of ground motion at the Japanese reactors. However, we do have estimates of shaking that come from a ShakeMap produced by the K-NET system. The ground motion at the Japanese nuclear reactors is believed to be somewhat on the order of the 0.67g, or possibly slightly higher, that San Onofre peak ground acceleration has been analyzed to. However, US nuclear plants have additional seismic margin, as demonstrated by the result of the Individual Plant Examination of External Events program carried out by the NRC in the mid-90s.

It should be noted that, the Fukushima plant also withstood the earthquake. In the hour or so after the earthquake the Fukushima plant's safety systems, including the diesel generators, performed as expected and effectively shut down the reactor. The cause of the problems at the plant stemmed from the loss of emergency power that appears to be the direct result of the subsequent tsunami, which far exceeded the design basis tsunami for the Fukushima plant.

### **4) Is possible to have a tsunami at San Onofre that is capable of damaging the plant?**

The San Onofre Units 2 and 3 plant grade is elevation +30.0 feet MLLW. San Onofre has reinforced concrete cantilevered retaining seawall and screen well perimeter wall designed to withstand the design basis earthquake, followed by the maximum predicted tsunami with coincident storm wave action. The controlling tsunami for San Onofre occurring during simultaneous high tide and storm surge produces a maximum runup to elevation +15.6 feet MLLW at the Unit 2 and 3 seawall. When storm waves are superimposed, the predicted maximum runup is to elevation +27 MLLW. Tsunami protection for the

SONGS site is provided by a reinforced concrete seawall constructed to elevation +30.0 MLLW. A tsunami larger than this is extremely unlikely.

**5) Has the earthquake hazard at San Onofre been reviewed like Diablo Canyon nuclear power plant is doing? Are they planning on doing an update before relicensing?**

Relicensing does not evaluate seismic hazard or other siting issues. Seismic safety is part of NRC's ongoing licensing activities. If an immediate safety concern emerged, the issue would be addressed as part of NRC's response, regardless of relicensing status.

The closest active fault is approximately five miles offshore from San Onofre, a system of folds and faults exist called the offshore zone of deformation (OZD). The OZD includes the Newport-Inglewood-Rose Canyon fault system. The Cristianitos fault is ½ mile southeast, but is an inactive fault. Other faults such as the San Andreas and San Jacinto, which can generate a larger magnitude earthquake, are far enough away that they would produce ground motions much less severe than earthquakes in the OZD for San Onofre.

Notwithstanding the above, the NRC is considering extending the Generic Issue 199 program to all operating reactors. This would require a reassessment of hazard for San Onofre using the latest probabilistic seismic hazard assessment approaches. Based on a preliminary assessment using the source model developed by the USGS for the national seismic hazard maps, the annual probability of occurrence of a 0.67g ground motion at the San Onofre site is only slightly higher than is the annual probability of occurrence that is recommended for new nuclear plants.

**6) How do we know that the emergency diesel generators in San Onofre will not fail to operate like in Japan?**

Emergency Diesel Generators (EDGs) are installed in a seismically qualified structure and are seismic Category I equipment. Even if these EDGs did fail, plants can safely shutdown using station blackout power source law 10 CFR 50.63. In 1988 the NRC concluded that additional regulatory requirements were justified in order to provide further assurance that a loss of both offsite and onsite emergency ac power systems would not adversely affect public health and safety and the station blackout rule was enacted. Studies conducted by the NRC since this rule has been in effect confirms that the hardware and procedures that have been implemented to meet the station blackout requirements have resulted in significant risk reduction and have further enhanced defense-in-depth. However, we plan to carefully evaluate the lessons learned from the events in Japan to determine if enhancements to the station blackout rule are warranted.

**7) Was there any damage to San Onofre from either the earthquake or the resulting tsunami?**

There was no damage at the San Onofre nuclear plant from either the earthquake or tsunami.

**8) What about emergency planning for San Onofre. Does it consider tsunami?**

FEMA reviews off-site evacuation plans formally every 2 years during a biennial emergency preparedness exercise. NRC evaluates on-site evacuation plans during the same exercise. Population studies are formally done every 10 years, and evacuation time estimates are re-evaluated at that time. FEMA reviews these evacuation plans, and will conclude their acceptability through a finding of "reasonable assurance" that the off-site facilities and infrastructure is capable of protecting public health and safety in the event of an emergency at San Onofre. The next such exercise is planned for April 12, 2011.



The San Onofre emergency plan initiates the emergency response organization and results in declaration of emergency conditions via their Emergency Action Levels. The facility would then make protective action recommendations to the Governor, who would then decide on what protective actions would be ordered for the residents around San Onofre. The consideration of tsunami would be contained in the State and local (City, County) emergency plans, which are reviewed by FEMA.

**From:** Morris, Scott  
**To:** Blount, Tom; Bergman, Thomas; Webber, Robert; Adams, John; Tschiltz, Michael; Correia, Richard; Zimmerman, Jacob; Temple, Jeffrey; Gibson, Kathy; Lubinski, John; Cool, Donald; Tappert, John; Reis, Terrence; Jones, Cynthia; Sullivan, Randy; Brandon, Lou; Grant, Jeffery; Uhle, Jennifer; Dudes, Laura; Skeen, David; Brown, Frederick; Holian, Brian; Rutland, William; Hiland, Patrick; Case, Michael; Hasselberg, Rick  
**Cc:** Evans, Michele; OST02 HQC; Marshall, Jane; Gott, William  
**Subject:** Staffing Incident Response Teams  
**Date:** Wednesday, March 23, 2011 3:07:33 PM  
**Importance:** High

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Staffing of each of the NRC's Incident Response Teams with capable technical staff is critical to the success of our incident response mission. However, ensuring that each of the individual team positions is filled with trained staff members is not an easy task, particularly during protracted response situations like we find ourselves now. As you know, most of the positions on the teams are filled with volunteers from around the agency.

The Executive Team Support Team (ETST) Coordinator is responsible for ensuring that a comprehensive watchbill is staffed, published, and distributed well in advance of scheduled individual duty assignments (at least three days) to ensure that there are no gaps in position coverage. The ERST Coordinator should collect individual response team watchbills from the respective Response Program Team (RPT) Managers (i.e., the permanent NSIR/IRD staff). The RPT managers are responsible for ensuring adequate staffing on each of their respective teams.

***Scott A. Morris***

Deputy Director for Incident Response  
Division of Preparedness and Response  
Office of Nuclear Security and Incident Response

U.S. Nuclear Regulatory Commission  
Mail Stop T4-A43  
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(b)(6)

(BlackBerry/Cell)

301-415-5278 (Fax)



HHK/186

**Rivera-Lugo, Richard**

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**From:** Parks, Jazel  
**Sent:** Thursday, March 24, 2011 5:48 PM  
**To:** Coyne, Kevin  
**Cc:** Coe, Doug; Kardaras, Tom; Sheron, Brian; Uhle, Jennifer; Valentin, Andrea  
**Subject:** RE: MSNBC FOIA Request

**Categories:** Green Category

Hi Kevin,

Thanks for contacting me so quickly. As you can probably guess, as RES FOIA coordinator, I am currently being pulled in a lot of different directions with the many requests beginning to arrive for the Japan event.

As you may already know, there was a meeting today concerning the previous Japan FOIA requests received from Associated Press as well as the latest requests received from MSNBC.

So in going forward with this specific FOIA, as I receive direction and/or guidance from the FOIA office, I will relay that information to the appropriate TAs and my supervisor. The TAs should relay this information to the staff including the Division Directors, Deputy Directors and Branch Chiefs.

These two FOIAs that arrived today are not on the expedited track, so the FOIA that we received last week regarding the March 11<sup>th</sup> Earthquake in Japan (2011-0119) is still the number one priority in terms of response and supersedes the latest two FOIAs from MSNBC and the FOIA received in February regarding SOARCA. Most of our time and resources are focused on the AP one we received because our response is due on 3/31.

During the meeting today, the FOIA office asked staff what ways they can help us get this information together and there were some good suggestions. The FOIA office will have to talk to their IT counterparts and find out if these suggestions that were given such as being able to assist in gathering document are possible. At the conclusion of the meeting, they said that they will be sending out guidance to every FOIA coordinator based on what was discussed. I am expecting that email either late tonight or sometime tomorrow.

The FOIA office understands that we have other tasks that we are responsible for doing and that these FOIA request are extra, demanding work. The clock will not stop on responding to these requests. Henceforth, we are on a "glide" track, which means that we will respond, but it will take longer to do so. The requestor(s) have been informed of this and they understand that.

The two requests that came in today are due to FOIA on 4/8 and whatever information I have available at that time will be sent to the FOIA office. I am already assuming that we will not have a complete response to this request so I will send them a partial and we will just keep going and being productive until we answer all the FOIA requests. I am aware that you will be out of the office but in the meantime, I will attempt to keep everything going and then when you return you should contact me.

The office timeliness metric has greatly been impacted already, and this is true for other offices too. But we are doing the best we can with the resources that we have. Hopefully you can breathe a sigh of relief (at least a little) ☺

If you have any more questions, please feel free to contact me.

Thanks again,

Jazel Parks  
Research Information Specialist

HHH/187

RES/PMDA/ITIB  
(P) 301-251-7690  
(F) 301-251-7426  
(M/S) C6D20M

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**From:** Coyne, Kevin  
**Sent:** Thursday, March 24, 2011 4:33 PM  
**To:** Parks, Jazel  
**Cc:** Coe, Doug; Kardaras, Tom; Sheron, Brian; Uhle, Jennifer; Valentin, Andrea  
**Subject:** MSNBC FOIA Request  
**Importance:** High

Jazel –

I just received an MSNBC FOIA request for all incoming and outgoing email correspondence from March 11-18, 2011. I wanted to provide you a quick estimate of the time it will take to process the request.

I receive approximately 100 or more emails every day, many of them include one or more attachments. Similarly, I send 50 or more emails in a typical day. Since the FOIA covers 6 working days, this is approximately 900 emails and associated attachments that need to be reviewed prior to release (and I am sure that others listed on the FOIA have more than this to review...). Since many of the emails I receive and send deal with information that would not be subject to release under a FOIA (e.g., emails involving personnel health issues for the employees I supervise) or involve sensitive contracting information, the review must be comprehensive to ensure that I don't improperly release either sensitive information or PII. Conservatively assuming 1 minute to review each email against the FOIA exception criteria, it would take 15 hours of dedicated effort to review these 900 emails.

I am on foreign travel to support a WGRisk meeting next week and am acting for Doug Coe tomorrow; therefore I will not be able to address this request until I return from foreign travel on April 4. Even then, it is unlikely that I will be able to apply every working minute to processing this request. Consequently, I will be unable to meet the ten working day time limit. Please advise.

Kevin

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

(b)(6)

*(cell)*

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**From:** Hoc, PMT12  
**Sent:** Thursday, March 24, 2011 6:27 PM  
**To:** PMT05 Hoc  
**Subject:** FW: CRS report  
**Attachments:** 110324 Jpn nuclear accident tech aspects v5.doc

Please review when you find the time.

Thanks, Stacey

**From:** LIA12 Hoc  
**Sent:** Thursday, March 24, 2011 5:53 PM  
**To:** Hoc, PMT12; RST01 Hoc  
**Subject:** FW: CRS report

Bill and Cyndi:

Thanks so much for reviewing this.

**From:** Shane, Raeann  
**Sent:** Thursday, March 24, 2011 5:51 PM  
**To:** LIA12 Hoc  
**Subject:** FW: CRS report

**From:** Jonathan Medalia [mailto:JMEDALIA@crs.loc.gov]  
**Sent:** Thursday, March 24, 2011 2:56 PM  
**To:** Shane, Raeann  
**Cc:** Nathan Lucas  
**Subject:** CRS report

Raeann,

HHH/188

I'm a researcher at the Congressional Research Service, and am writing a report for Congress on technical aspects of the Japanese nuclear accident.

Here is the report, as we discussed. CRS would like to release it tomorrow. I would appreciate a technical review of it. If it's possible to complete the review by tomorrow morning, that would be excellent, but if not, please provide comments when possible. Please call or email if you have questions.

Thank you! I appreciate your assistance, and also all the good work that NRC has done relating to the accident.

Best regards,

Jonathan Medalia, Ph.D.  
Specialist in Nuclear Weapons Policy  
Congressional Research Service  
office: 202-707-7632  
home: (b)(6)  
[jmedalia@crs.loc.gov](mailto:jmedalia@crs.loc.gov)

Attachment 110324 Jpn nuclear accident tech aspects v5.doc(206336  
bytes ) cannot be converted to PDF format.

---

**From:** Hoc, PMT12  
**Sent:** Thursday, March 24, 2011 8:42 PM  
**To:** PMT11 Hoc; PMT05 Hoc; PMT07 Hoc  
**Subject:** FW: Palo Verde Nuclear Generating Station Air Sample Results: March 24, 2011  
**Attachments:** PVNGS Sample Data 20110324.pdf; PVNGS Sample Results 20110324.pdf

Please add this to the table.

Thanks,  
Stacey

**From:** James.Bungard@aps.com [mailto:James.Bungard@aps.com]  
**Sent:** Thursday, March 24, 2011 8:36 PM  
**To:** Hoc, PMT12  
**Cc:** Mark.Mcghee@aps.com; Marianne.Webb@aps.com; Monica.Ray@aps.com; Maria.Lacal@aps.com; Randall.Edington@aps.com; Robert.Bement@aps.com; Terry.Young@aps.com; Mark.Fallon@aps.com; John.Gaffney@aps.com; Robert.Routolo@aps.com; James.Mcdonnell@aps.com; Thomas.Gray@aps.com  
**Subject:** Palo Verde Nuclear Generating Station Air Sample Results: March 24, 2011

USNRC Headquarters Operations Office/PMT,

Palo Verde Nuclear Generating Station daily effluent sample data sheet and gamma spectroscopy report for March 24, 2011 is attached to this message along with a summary of current and past samples.

Best Regards,

**James P. Bungard**

*Radiation Protection Technical Services Section Leader*

Radiological Engineering

Palo Verde Nuclear Generating Station

Mail Station 7663, P.O. Box 52034

Phoenix, Arizona 85072-2034

Tel: 623-207-6007 Fax: 623-393-6640

Cell: (b)(6)

Pager: (b)(6)

E-mail: [James.Bungard@aps.com](mailto:James.Bungard@aps.com)

HHH/189



## Effluent Sample Data Sheet

 PERMIT # N/A - - UNIT 1 (2) 3 (CIRCLE ONE) RU - N/A

|                  |             |                      |         |                      |
|------------------|-------------|----------------------|---------|----------------------|
| SAMPLE<br>NUMBER | PARTICULATE | <u>2 - 11 - 0436</u> | IODINE  | <u>2 - 11 - 0437</u> |
|                  | GAS         | <u>- N/A -</u>       | TRITIUM | <u>- N/A -</u>       |
|                  | LIQUID      | <u>- N/A -</u>       |         |                      |

SAMPLE DESCRIPTION Aux Roof P & I for CAD 2-11-0013Gas Channel Reading: N/A  $\mu\text{Ci/cc}$  Grab Sample Results: N/A  $\mu\text{Ci/cc}$ Gas Channel to Grab Sample Ratio (Gas Channel Reading / Grab Sample Results) = N/A (0.6 to 1.4 is acceptable)For RU-141 Ratio (Gas Channel Reading / Grab Sample Results) = N/A (0.5 to 1.5 is acceptable)MONITOR VACUUM: BEFORE FILTER CHANGE N/A in Hg AFTER FILTER CHANGE N/A in HgLEAK TEST (CIRCLE ONE) SAT / UNSAT SIGNATURE N/A DATE / TIME N/A

| INITIATION         |                            | TERMINATION     |                            | VOLUME                               |               |
|--------------------|----------------------------|-----------------|----------------------------|--------------------------------------|---------------|
| D. McFelia         |                            | R. Moore        |                            | NOBLE GAS <u>N/A</u> cc              |               |
| (STARTED BY)       |                            | (STOPPED BY)    |                            | PARTICULATE <u>7.61 E 7</u> cc       |               |
| DATE               | <u>03/23/2011</u>          | DATE            | <u>3/24/2011</u>           | IODINE <u>17.31 E 7</u> cc           |               |
| TIME               | <u>1455</u>                | TIME            | <u>1320</u>                | TRITIUM <u>N/A</u> cc                |               |
| FLOW               | <u>2</u> (cfm) / lpm / ccm | FLOW            | <u>2</u> (cfm) / lpm / ccm | LIQUID <u>N/A</u> ml                 |               |
| M&TE #             | <u>N/A</u>                 | TOTALIZER VALUE | <u>N/A</u> ft <sup>3</sup> | AVG. FLOW <u>2</u> (cfm) / lpm / ccm |               |
| M&TE CAL DUE DATE  | <u>N/A</u>                 | DURATION        | <u>1345</u> min            |                                      |               |
| PLATE OUT FACTORS: |                            | PARTICULATE     | <u>1</u>                   | IODINE                               | <u>0.96</u>   |
| TRITIUM BUBBLER:   |                            | EFFICIENCY      | <u>95 %</u>                | WATER VOLUME                         | <u>N/A</u> cc |

| This section                        | AR Pump        | flow (cfm) | AR Pump        | flow (cfm) |
|-------------------------------------|----------------|------------|----------------|------------|
| N/A                                 | ARN-P01 A-FI29 |            | ARN-P01 C-FI31 |            |
| <input checked="" type="checkbox"/> | ARN-P01 B-FI30 |            | ARN-P01 D-FI32 |            |

 PARTICULATE VOLUME = AVERAGE FLOW (CFM) X DURATION X 2.83 E4 X PLATE OUT FACTOR  
 (OR) TOTALIZER X 2.83 E4 X PLATE OUT FACTOR

 IODINE VOLUME = AVERAGE FLOW (CFM) X DURATION X 2.83 E4 X PLATE OUT FACTOR  
 (OR) TOTALIZER X 2.83 E4 X PLATE OUT FACTOR

NOBLE GAS VOLUME = CONTAINER VOLUME (cc)

TRITIUM VOLUME = AVERAGE FLOW RATE (cc/min) X DURATION

SAVE PARTICULATE FILTER FOR COMPOSITE: YES (NO) N/A (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

|                              |                              |
|------------------------------|------------------------------|
| ANALYZED BY: <u>R. Moore</u> | REVIEWED BY: <u>G. Jones</u> |
| DATE: <u>3-24-11</u>         | DATE: <u>3-24-11</u>         |

Gamma Spectroscopy Report generated at Unit 2 on 24-MAR-2011 14:42:50  
DKA200: [USER.CHEM.SCUSR.ARCHIVE] SMP\_P2110436\_DET1\_PFIL1\_10059.CNF;1

Sample Title : AUX ROOF PART FOR CAD 2-11-0013  
Sample Number : P2110436 Sample Volume : 7.61000E+07 cc  
Library : PARFIL\_LLD Geometry : PFIL1  
Sample Date : 24-MAR-2011 13:20:00 Acquisition Date : 24-MAR-2011 14:12:16  
Elapsed Live Time: 0 00:30:00.00 Dead Time : 0.0%  
Deposition Start : 23-MAR-2011 14:55:00 Deposition Period: 0 22:25:00.00  
Sample Deposition: Yes Decay Time : 0 00:52:16.04

Completed by: N/A Reviewed by: N/A

### Post-NID Peak Search Report

| It  | Energy | Area | Bkgnd | FWHM | Channel | Left | Pw | %Err | Fit      | Nuclides |
|-----|--------|------|-------|------|---------|------|----|------|----------|----------|
| 3   | 74.94  | 34   | 44    | 1.10 | 149.45  | 145  | 17 | 36.5 | 2.18E+00 | PB-212   |
| 3   | 77.20  | 52   | 35    | 0.92 | 153.98  | 145  | 17 | 23.1 |          | PB-212   |
| 0   | 238.84 | 117  | 15    | 1.03 | 477.16  | 472  | 10 | 11.1 |          | PB-212   |
| D8M | 351.09 | 9    | 1     | 1.44 | 701.61  | 699  | 12 | 43.5 | 1.95E+00 | Pb-214   |
| S8M | 352.67 | 13   | 5     | 1.51 | 704.77  | 699  | 12 | 47.5 |          | PB-214   |
| S0M | 364.81 | 53   | 8     | 1.15 | 729.05  | 724  | 12 | 17.9 |          | I-131    |
| L0M | 511.01 | 22   | 6     | 1.21 | 1021.43 | 1017 | 11 | 30.3 |          | TR-208   |
| S0M | 582.85 | 34   | 5     | 1.21 | 1165.10 | 1159 | 11 | 21.6 |          | TR-208   |
| B0M | 609.54 | 24   | 2     | 0.75 | 1218.49 | 1214 | 9  | 23.3 |          | BI-214   |

Depo  
Samp

Com

Post

11

3

3

0

D8M

S8M

S0M

L0M

S0M

B0M

Depo

Samp

Com

Post

11

3

3

0

D8M

S8M

S0M

L0M

S0M

B0M

Depo

Samp

Com

Post

11

Nuclide Line Activity Report  
Sample ID : P2110436

Page : 2  
Acquisition date : 24-MAR-2011 14:12:16

Nuclide Type: Halogen

| Nuclide | Energy | Area  | %Abn   | %Eff      | Uncorrected<br>uCi/cc | Decay Corr<br>uCi/cc | 1-Sigma<br>%Error |
|---------|--------|-------|--------|-----------|-----------------------|----------------------|-------------------|
| I-131   | 284.30 | ----- | 6.05   | 2.973E+00 | -----                 | Line Not Found       | -----             |
|         | 364.48 | 53    | 81.20* | 2.266E+00 | 5.631E-13             | 5.884E-13            | 18.56             |
|         | 636.97 | ----- | 7.26   | 1.233E+00 | -----                 | Line Not Found       | -----             |
|         | 722.89 | ----- | 1.80   | 1.078E+00 | -----                 | Line Not Found       | -----             |

Nuclide Type: natural

| Nuclide | Energy  | Area  | %Abn   | %Eff      | Uncorrected<br>uCi/cc | Decay Corr<br>uCi/cc | 1-Sigma<br>%Error |
|---------|---------|-------|--------|-----------|-----------------------|----------------------|-------------------|
| PB-212  | 74.81   | 34    | 10.70  | 4.131E+00 | 1.521E-12             | 3.112E-12            | 36.96             |
| Nucl    | 77.11   | 52    | 18.00  | 4.337E+00 | 1.322E-12             | 2.704E-12            | 23.79             |
| Samg    | 238.63  | 117   | 44.60* | 3.573E+00 | 1.452E-12             | 2.971E-12            | 12.08             |
|         | 300.09  | ----- | 3.41   | 2.804E+00 | -----                 | Line Not Found       | -----             |
| BI-214  | 79.29   | ----- | 0.60   | 4.517E+00 | -----                 | Line Not Found       | -----             |
|         | 609.31  | 24    | 46.30* | 1.293E+00 | 7.872E-13             | 3.671E-10            | 35.33             |
| Nucl    | 806.17  | ----- | 1.23   | 9.603E-01 | -----                 | Line Not Found       | -----             |
|         | 934.06  | ----- | 3.21   | 8.231E-01 | -----                 | Line Not Found       | -----             |
| Nucl    | 1120.29 | ----- | 15.10  | 6.819E-01 | -----                 | Line Not Found       | -----             |
| 131     | 1155.19 | ----- | 1.70   | 6.608E-01 | -----                 | Line Not Found       | -----             |
|         | 1238.11 | ----- | 5.94   | 6.157E-01 | -----                 | Line Not Found       | -----             |
|         | 1377.67 | ----- | 4.11   | 5.528E-01 | -----                 | Line Not Found       | -----             |
|         | 1401.50 | ----- | 1.39   | 5.434E-01 | -----                 | Line Not Found       | -----             |
|         | 1407.98 | ----- | 2.49   | 5.410E-01 | -----                 | Line Not Found       | -----             |
|         | 1729.59 | ----- | 2.97   | 4.433E-01 | -----                 | Line Not Found       | -----             |
| Nucl    | 1764.49 | ----- | 15.80  | 4.351E-01 | -----                 | Line Not Found       | -----             |
|         | 1847.42 | ----- | 2.09   | 4.172E-01 | -----                 | Line Not Found       | -----             |
| PB-214  | 87.30   | ----- | 4.67   | 5.053E+00 | -----                 | Line Not Found       | -----             |
| PB-214  | 241.98  | ----- | 7.49   | 3.523E+00 | -----                 | Line Not Found       | -----             |
| Bi-214  | 295.21  | ----- | 19.20  | 2.855E+00 | -----                 | Line Not Found       | -----             |
| Samg    | 351.92  | 13    | 37.20* | 2.355E+00 | 2.889E-13             | 5.584E-11            | 47.75             |
|         | 785.90  | ----- | 1.10   | 9.864E-01 | -----                 | Line Not Found       | -----             |

Flag: "\*" = Keyline

Unidentified Energy Lines  
Sample ID : P2110436

Page : 3  
Acquisition date : 24-MAR-2011 14:12:16

| It | Energy | Area | Bkgnd | FWHM | Channel | Left | Pw | Cts/Sec  | %Err | %Eff     | Flags |
|----|--------|------|-------|------|---------|------|----|----------|------|----------|-------|
| 8  | 351.09 | 9    | 1     | 1.44 | 701.61  | 699  | 12 | 4.97E-03 | 43.5 | 2.36E+00 |       |
| 0  | 511.01 | 22   | 6     | 1.21 | 1021.43 | 1017 | 11 | 1.20E-02 | 30.3 | 1.56E+00 | T     |
| 0  | 582.85 | 34   | 5     | 1.21 | 1165.10 | 1159 | 11 | 1.89E-02 | 21.6 | 1.36E+00 | T     |

Flags: "T" = Tentatively associated

Rejected Report  
Sample ID : P2110436

Page : 4  
Acquisition date : 24-MAR-2011 14:12:16

| Nuclide              | Half-life | Half-Life Ratio | Energy  | %Abund | Activity 1-Sigma<br>(uCi/cc) | %Error    | Rejected by |
|----------------------|-----------|-----------------|---------|--------|------------------------------|-----------|-------------|
| TL-208               | 3.05M     | 22.06           | 277.33  | 6.80   | ---                          | Not Found | ---         |
|                      |           |                 | 510.84  | 21.60  | 3.800E-04                    | 30.81     | Decay       |
|                      |           |                 | 583.14* | 84.20  | 1.770E-04                    | 22.31     |             |
|                      |           |                 | 860.37  | 12.46  | ---                          | Not Found | ---         |
| % Abundances Found = |           |                 |         | 84.60  |                              |           |             |

Flag: "\*" = Keyline

Rel  
E-M

Nucl  
TL-208

PL  
TL-208

Rel  
E-M

Rel  
E-M

Summary of Nuclide Activity  
Sample ID : P2110436

Page : 5  
Acquisition date : 24-MAR-2011 14:12:16

Total number of lines in spectrum 9  
Number of unidentified lines 1  
Number of lines tentatively identified by NID 8 88.89%

Nuclide Type : Halogen

| Nuclide          | Hlife | Decay | Uncorrected<br>uCi/cc | Decay Corr<br>uCi/cc | Decay Corr<br>1-Sigma Error | 1-Sigma<br>%Error | Flags |
|------------------|-------|-------|-----------------------|----------------------|-----------------------------|-------------------|-------|
| I-131            | 8.04D | 1.05  | 5.631E-13             | 5.884E-13            | 1.092E-13                   | 18.56             |       |
| Total Activity : |       |       | 5.631E-13             | 5.884E-13            |                             |                   |       |

Nuclide Type : natural

| Nuclide          | Hlife  | Decay | Uncorrected<br>uCi/cc | Decay Corr<br>uCi/cc | Decay Corr<br>1-Sigma Error | 1-Sigma<br>%Error | Flags |
|------------------|--------|-------|-----------------------|----------------------|-----------------------------|-------------------|-------|
| PB-212           | 10.64H | 2.05  | 1.452E-12             | 2.971E-12            | 0.359E-12                   | 12.08             |       |
| BI-214           | 19.90M | 466.  | 7.872E-13             | 3.671E-10            | 1.297E-10                   | 35.33             | A     |
| PB-214           | 26.80M | 193.  | 2.889E-13             | 5.584E-11            | 2.666E-11                   | 47.75             | A     |
| Total Activity : |        |       | 2.528E-12             | 4.259E-10            |                             |                   |       |

Grand Total Activity : 3.091E-12 4.265E-10

Flags: "K" = Keyline not found "M" = Manually accepted  
"E" = Manually edited "A" = Nuclide specific abn. limit

Nucl

Nucl

PB-212

BI-214

PB-214

Decay

Decay

Decay

Decay

Decay

Decay

Decay

Decay

Decay

Decay

Decay

Decay

Decay

Decay

Decay

Decay

Decay

Decay

Decay

Decay

Decay

Decay

Decay

## Minimum Detectable Activity Report

Sample ID : P2110436

Page : 6

Acquisition date : 24-MAR-2011 14:12:16

| Nuclide | Bckgnd<br>Sum | Energy<br>(keV) | MDA<br>(uCi/cc) |
|---------|---------------|-----------------|-----------------|
| MN-54   | 2.            | 834.83          | 1.9804E-13      |
| CO-58   | 2.            | 810.76          | 1.9391E-13      |
| FE-59   | 2.            | 1099.22         | 4.6973E-13      |
| CO-60   | 4.            | 1332.49         | 4.1439E-13      |
| ZN-65   | 3.            | 1115.52         | 5.9940E-13      |
| MO-99   | 20.           | 140.51          | 1.0724E-13      |
| CS-134  | 2.            | 795.84          | 2.1520E-13      |
| CS-137  | 10.           | 661.65          | 3.4758E-13      |
| CE-141  | 19.           | 145.44          | 1.7665E-13      |
| CE-144  | 12.           | 133.54          | 6.2523E-13      |

Min

Sum

E

Nucl

MN-54

CO-58

FE-59

CO-60

ZN-65

MO-99

CS-134

CS-137

CE-141

CE-144

Min

Sum

E

Nucl

MN-54

CO-58

FE-59

CO-60

ZN-65

MO-99

CS-134

CS-137

CE-141

CE-144

Min

Sum

E

Nucl

MN-54

CO-58

FE-59

CO-60

ZN-65

MO-99

Gamma Spectroscopy Report generated at Unit 2 on 24-MAR-2011 16:16:41  
 DKA200: [USER.CHEM.SCUSR.ARCHIVE]SMP\_I2110437\_DET1\_CCART1\_10063.CNF;1  
 Sample Title : AUX ROOF IODINE FOR CAD 2-11-0013  
 Sample Number : I2110437 Sample Volume : 7.31000E+07 cc  
 Library : CART Geometry : CCART1  
 Sample Date : 24-MAR-2011 13:20:00 Acquisition Date : 24-MAR-2011 15:46:12  
 Elapsed Live Time: 0 00:30:00.00 Dead Time : 0.0%  
 Deposition Start : 23-MAR-2011 14:55:00. Deposition Period: 0 22:25:00.00  
 Sample Deposition: Yes Decay Time : 0 02:26:12.16

Completed by: N/A Reviewed by: N/A

# Post-NID Peak Search Report

| It | Energy | Area | Bkgnd | FWHM | Channel | Left | Pw | %Err | Fit | Nuclides |
|----|--------|------|-------|------|---------|------|----|------|-----|----------|
| 0  | 286.86 | 9    | 4     | 1.03 | 573.18  | 570  | 6  | 50.9 |     | I-131    |
| 0  | 364.63 | 40   | 6     | 1.17 | 728.69  | 722  | 11 | 19.6 |     | I-131    |

DKA:

Sam:

Sam:

Lib:

Sam:

Elap:

Dep:

Sam:

Comp:

Rev:

It:

0

0

DKA:

Sam:

Sam:

Lib:

Sam:

Elap:

Dep:

Sam:

Comp:

Rev:

It:

0

0

DKA:

Sam:

Sam:

Lib:

Sam:

Elap:

Dep:

Sam:



Nuclide Line Activity Report  
Sample ID : I2110437

Page : 2  
Acquisition date : 24-MAR-2011 15:46:12

Nuclide Type: halogen

| Nuclide | Energy | Area  | %Abn   | %Eff      | Uncorrected<br>uCi/cc | Decay Corr<br>uCi/cc | 1-Sigma<br>%Error |
|---------|--------|-------|--------|-----------|-----------------------|----------------------|-------------------|
| I-131   | 284.30 | ----- | 6.05   | 2.210E+00 | -----                 | Line Not Found       | -----             |
|         | 364.48 | 40    | 81.20* | 1.685E+00 | 5.997E-13             | 6.302E-13            | 20.24             |
|         | 636.97 | ----- | 7.26   | 9.112E-01 | -----                 | Line Not Found       | -----             |
|         | 722.89 | ----- | 1.80   | 7.984E-01 | -----                 | Line Not Found       | -----             |

Flag: "\*" = Keyline

Unidentified Energy Lines  
Sample ID : I2110437

Page : 3  
Acquisition date : 24-MAR-2011 15:46:12

| It | Energy | Area | Bkgnd | FWHM | Channel | Left | Pw | Cts/Sec  | %Err | %Eff     | Flags |
|----|--------|------|-------|------|---------|------|----|----------|------|----------|-------|
| 10 | 286.86 | 9    | 4     | 1.03 | 573.18  | 570  | 6  | 4.85E-03 | 50.9 | 2.19E+00 |       |

Flags: "T" = Tentatively associated

Rejected Report  
Sample ID : I2110437

Page : 4  
Acquisition date : 24-MAR-2011 15:46:12

Flag: "\*" = Keyline

Ref.  
Samp.

File

Ref.  
Samp.

File

Ref.  
Samp.

Ref.  
Samp.

Ref.  
Samp.

## Summary of Nuclide Activity

Sample ID : I2110437

Page : 5

Acquisition date : 24-MAR-2011 15:46:12

Total number of lines in spectrum 2  
Number of unidentified lines 1  
Number of lines tentatively identified by NID 1 50.00%

Nuclide Type : halogen

| Nuclide          | Hlife | Decay | Uncorrected<br>uCi/cc | Decay Corr<br>uCi/cc | Decay Corr<br>1-Sigma Error | 1-Sigma<br>%Error | Flags |
|------------------|-------|-------|-----------------------|----------------------|-----------------------------|-------------------|-------|
| I-131            | 8.04D | 1.05  | 5.997E-13             | 6.302E-13            | 1.276E-13                   | 20.24             |       |
| Total Activity : |       |       | 5.997E-13             | 6.302E-13            |                             |                   |       |

Grand Total Activity : 5.997E-13 6.302E-13

Flags: "K" = Keyline not found  
"E" = Manually edited

"M" = Manually accepted  
"A" = Nuclide specific abn. limit

TO:  
FM:  
ED:

NO:

NO:  
NO:  
NO:

C. 1.16

NO:  
NO:

NO:  
NO:  
NO:

NO:

NO:  
NO:

NO:  
NO:

NO:  
NO:  
NO:

NO:

Minimum Detectable Activity Report  
Sample ID : I2110437

Page : 6  
Acquisition date : 24-MAR-2011 15:46:12

| Nuclide | Bckgnd<br>Sum | Energy<br>(keV) | MDA<br>(uCi/cc) |
|---------|---------------|-----------------|-----------------|
| I-133   | 1.            | 529.87          | 2.6856E-13      |

**Bensi, Michelle**

---

**From:** Kammerer, Annie  
**Sent:** Thursday, March 24, 2011 10:26 PM  
**To:** Hayden, Elizabeth; Hiland, Patrick  
**Cc:** Burnell, Scott; Kauffman, John; Munson, Clifford; Ake, Jon; Bensi, Michelle  
**Subject:** RE: NextEra Energy Questions

Here's a possible response. Perhaps Cliff or Jon can take a look.

- 1) We are trying to understand why our plants in low-seismic areas (see below) would appear on the list of 27 plants that the NRC intends to review for seismic issues. While the story below notes that these plants have been identified based on "largest increase in seismic risk from a 1980s-era USGS study," the USGS maps show a low probability for seismic activity. I'm not aware of any major changes that would have increased seismic risk... can you help explain?

First, it should be clarified that the list of 27 plants is only provided to show that there is sufficient reason to move the project to the next phase of the generic issue program. These are not the only plants that will be reassessed. Due to the significant uncertainty in the data available, all plants in the central and eastern US will receive the generic letter and will be reassessed. Further, in light of the events in Japan, there is discussion within the NRC of including those in the west as well.

The GI-199 study considers both overall risk and also changes in risk. Both the approach to assessing seismic hazard and the data available to seismologists have improved significantly since the 1980. As a result, estimates of seismic hazard, although still low, have increased since that time. This is the result of a steady improvement in the understanding of seismic hazard over time. It is important to note that it is not the seismic activity, or the seismic hazard itself, that has increased; but rather it is the understanding of it that has changed. (Information on how the USGS seismic hazard maps are developed is available at the USGS website). The larger change in the risk (in terms of core damage frequency) associated with some sites in the study directly reflects the change in assessed hazard.

- 3) My basic understanding - especially in the case of St. Lucie and Duane Arnold - is that highly conservative values were input into your screening process for plants with low-seismic probability, therefore moving plants like those previously mentioned up in the listing. Can you help me to understand this?

The screening process that was undertaken used data currently available to the NRC, principally from the IPEEE study conducted in the mid-90s. Licensees of nuclear plants in moderate to high seismicity areas tended to provide more detailed information regarding the seismic resistance of the structures, systems, and components than plants in low seismicity areas. Therefore when considering loads beyond the seismic design, NRC staff tended to have more detailed information to rely on for plants in moderate to high seismicity zones; and had to make conservative assumptions for plants in low seismicity regions.

Annie

---

**From:** Hayden, Elizabeth  
**Sent:** Thursday, March 24, 2011 5:11 PM  
**To:** Hiland, Patrick  
**Cc:** Burnell, Scott; Kammerer, Annie; Kauffman, John  
**Subject:** FW: NextEra Energy Questions

Pat,

HHH/190

Can you help me out in answering t least the 2 highlighted questions from FPL? The licensee sounds like this is all a surprise to him.

*Beth Hayden*

---

**From:** Waldron, Michael [mailto:Michael.Waldron@fpl.com]  
**Sent:** Thursday, March 24, 2011 4:03 PM  
**To:** Hayden, Elizabeth  
**Subject:** NextEra Energy Questions

Beth:

Good to speak with you. I will have our licensing folks look for the letter that apparently went out last fall. In the meantime, however, I'm trying to answer a number of questions pertaining to the article below.

- 1) We are trying to understand why our plants in low-seismic areas (see below) would appear on the list of 27 plants that the NRC intends to review for seismic issues. While the story below notes that these plants have been identified based on "largest increase in seismic risk from a 1980s-era USGS study," the USGS maps show a low probability for seismic activity. I'm not aware of any major changes that would have increased seismic risk.... can you help explain?
- 2) How does the Commission plan to conduct this evaluation? For instance, are you asking us for data, are you running models based on government geologic information? Is there something specific we should be preparing for if, in fact, you are going to do this review?
- 3) My basic understanding - especially in the case of St. Lucie and Duane Arnold - is that highly conservative values were input into your screening process for plants with low-seismic probability, therefore moving plants like those previously mentioned up in the listing. Can you help me to understand this?

As you can imagine, this list has raised a number of questions for us since geologic maps tend to tell a different story. We're really just trying to figure this out at this point. If you could respond as quickly as possible, I would certainly appreciate it. Thanks again for your help.

Mike

**US NRC to check seismic risk of 27 nuke units;**  
Washington (Platts)--23Mar2011/1033 am EDT/1433 GMT

The US Nuclear Regulatory Commission will conduct a seismic risk assessment of Entergy's Indian Point plant in New York next year, the first of 27 reviews of nuclear power units at 17 plants, agency spokeswoman Beth Hayden said Tuesday.

SepRrately, NRC Chairman Gregory Jaczko "has personally committed to inspect Indian Point," located about 35 miles north of New York City, although "no date has not been determined" for the visit, Hayden said.

The NRC reported these nuclear units will receive the seismic review next year: Indian Point 2, Indian Point 3, Limerick 1, Limerick 2, Peach Bottom 2, Peach Bottom 3, Seabrook, Crystal River 3, Farley 1, Farley 2, North Anna 1, North Anna 2, Oconee 1, Oconee 2, Oconee 3, St. Lucie 1, St. Lucie 2, Sequoyah 1, Sequoyah 2, Summer, Watts Bar 1, Dresden 2, Dresden 3, Duane Arnold, Perry 1, River Bend and Wolf Creek.

The earthquake risk review is part of a new assessment NRC conducted based on 2008 revised US Survey data of seismic activity in the eastern and central US, said Scott Burnell, an NRC spokesman. The review pre-dated

the earthquake and tsunami that wreaked havoc this month on the Fukushima nuclear stations.

Burnell categorized the findings as a "very broad brush indicator" that is not sufficient to determine the odds for earthquakes at a given nuclear reactor site.

The NRC is planning to send letters to plant operators late this year.

"The expectation is this analysis would show where plants could improve what already is an acceptable response to seismic events," Burnell said. The 27 units selected for review showed the largest increase in seismic risk from a 1980s-era USGS study, he said.

The Indian Point site was selected as the first to be inspected by NRC next year because the revised seismic data showed the largest increase in seismic risk increase from the previous study, Hayden said.

Senator Barbara Boxer, chairman of of the Senate Environment and Public Works Committee and Senator Dianne Feinstein, both Democrats, on March 16 wrote to Jaczko asking that NRC inspect both the Diablo Canyon and San Onofre nuclear units, saying they are concerned that the plants "are near earthquake faults."

New York Governor Andrew Cuomo, a Democrat, urged NRC to shut Indian Point during the past decade when he was the state's attorney general. Cuomo raised concerns about the two-unit plant's proximity to the Ramapo fault and its discharge of heated water into the Hudson River.

"It is essential that the NRC move quickly to answer the significant and long-standing safety questions surrounding Indian Point," Cuomo said in a statement Tuesday.

Entergy said in a statement Tuesday: "All citizens of New York need to have access to the pertinent facts regarding Indian Point. We strongly believe that knowing the facts will answer the public's questions and will also clearly demonstrate that this facility is safe -- designed with a margin of safety beyond the strongest earthquake anticipated in the area. Accordingly, Entergy welcomes Governor Cuomo's call for a review of Indian Point by the federal Nuclear Regulatory Commission and stands ready to assist."



**Michael Waldron | Director**  
**Nuclear Communications**  
Office: 561.694 3618 | Mobile: (b)(6)  
Email: [Michael.Waldron@fol.com](mailto:Michael.Waldron@fol.com)



---

**From:** Nelson, Robert  
**Sent:** Friday, March 25, 2011 9:00 AM  
**To:** PMT01 Hoc; PMT02 Hoc; PMT03 Hoc; PMT04 Hoc; PMT05 Hoc; PMT07 Hoc; PMT08 Hoc; PMT09 Hoc; PMT10 Hoc; PMT11 Hoc  
**Cc:** Markley, Michael; Oesterle, Eric; McGinty, Tim; LIA06 Hoc  
**Subject:** Action: Q&A Support  
**Attachments:** Re: Emailing: boardfile.htm; image001.png

Sorry for the shotgun but I don't know which PMT station is the lead.

Please prepare a response to Item 3 from Brian Sheron of the attached and respond to me.

R. A. Nelson

Robert A. Nelson  
NRR External Communications Coordinator, Japan Events  
Deputy Director  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation



E-mail: [robert.nelson@nrc.gov](mailto:robert.nelson@nrc.gov) |

Office: (301) 415-1453 |

Cell:

(b)(6)

Fax: (301) 415-2102 |

HHH/191

## Greenwood, Carol

**From:** Gibson, Kathy  
**Sent:** Sunday, March 27, 2011 1:47 PM  
**To:** Bush-Goddard, Stephanie  
**Subject:** Re: NUREG-1465 Notes

Agree this will be tricky. Maybe couch it as a lesson-learned and RASCAL is conservative.

---

**From:** Bush-Goddard, Stephanie  
**To:** Gibson, Kathy  
**Sent:** Sun Mar 27 13:43:18 2011  
**Subject:** RE: NUREG-1465 Notes

Exactly, this is the "interdependence" Mike is talking about.

We have to find out why they went with the RASCAL source terms. But we have to do it without trying to find fault because it's not about that.

The thyroid doses are easy, we just have out of date models of how iodine is distributed in the body.

..but the source term issues is treading on thin ice.....and our staff here and FSME staff in the Op Center are not "favorite cousins" so to speak.

-Steph

**From:** Gibson, Kathy  
**Sent:** Sunday, March 27, 2011 1:33 PM  
**To:** Tinkler, Charles; Schaperow, Jason; Bush-Goddard, Stephanie  
**Cc:** Sheron, Brian; Uhle, Jennifer; Lee, Richard  
**Subject:** Fw: NUREG-1465 Notes

I communicated this verbally to various folks in the Ops Center when I was on shift last weekend (including Charlie Miller, Bruce Watson, Marty Virgilio, Mike Johnson, Rob Lewis) however I think they are still using RASCAL source terms. We will have to figure out how to approach this in the Comm briefing.

---

**From:** Gauntt, Randall O <[rogaunt@sandia.gov](mailto:rogaunt@sandia.gov)>  
**To:** Gibson, Kathy  
**Cc:** Lee, Richard  
**Sent:** Sun Mar 27 13:11:28 2011  
**Subject:** NUREG-1465 Notes

RE: Dose Rate Estimates I sent earlier: THought I sent them, but must have messed up.

In looking over the OP Center e-mails regarding Rascal - They are using NUREG-1465 source terms to the containment. This is totally wrong for Fukushima reactors. The NUREG-1465 Regulatory Containment Source term is very DBA LBLOCA centric - which for the BWR's is representative of a Main Steam Line Break (LBLOCA) that vents steam into the DRYWELL. The NUREG-1465 source term to the dry well is then used in Reg space to test against 10CFR100 boundary dose requirements assuming containment design leakage. NUREG-1654 is being misused in this sense.

Why? The releases from the fuel in the LTSBO are not going into the drywell as would be the case in a DBA-LBLOCA, they are going into the wetwell. So the discussion about depletion in the drywell using the Powers model is a bit off the

HHH/192

mark. Such depletion could be applied to airborne particles that successfully escape suppression pools scrubbing through and find their way eventually into the wetwell.

Hope this helps.

Randy

(b)(6)

---

**From:** Gibson, Kathy [Kathy.Gibson@nrc.gov]  
**Sent:** Sunday, March 27, 2011 10:46 AM  
**To:** Gauntt, Randall O  
**Subject:** Re: Dose Rate Estimates I sent earlier

Thanks Randy for the source term information. Would you resend the dose rate estimates? I don't think I've seen them.  
Thx

---

**From:** Gauntt, Randall O <rogaunt@sandia.gov>  
**To:** Gibson, Kathy; Lee, Richard  
**Cc:** (b)(6)  
**Sent:** Sun Mar 27 12:33:01 2011  
**Subject:** Dose Rate Estimates I sent earlier

**Lee, Richard**

---

**From:** Lee, Richard  
**Sent:** Monday, March 28, 2011 11:20 AM  
**To:** 'Dana Powers (Home)'; 'Dana Powers (SNL)'  
**Subject:** FW: Results of Nuclide Analysis  
**Attachments:** en20110324-2-3.pdf

---

**From:** Farmer, Mitchell T. [mailto:farmer@anl.gov]  
**Sent:** Friday, March 25, 2011 11:48 AM  
**To:** 'rogaunt@sandia.gov'  
**Cc:** Lee, Richard; Basu, Sudhamay; Tinkler, Charles  
**Subject:** FW: Results of Nuclide Analysis

Randy, please have a look. Data is the last few pages..  
Mitch

---

**From:** Farmer, Mitchell T.  
**Sent:** Friday, March 25, 2011 9:08 AM  
**To:** 'Lee, Richard'; 'Tinkler, Charles'; 'Basu, Sudhamay'; Gavrilas, Mirela  
**Subject:** FW: Results of Nuclide Analysis

Can you please forward to Randy (Sorry I had to go off line to get to work and had to drop off some stuff so here it is finally). I don't seem to have Randy's email.

My office is 630 252 4539 and cell is (b)(6) Am stepping out for a minute and will be back; my boss beckons.  
Mitch

---

**From:** Grandy, Christopher  
**Sent:** Friday, March 25, 2011 12:04 AM  
**To:** Farmer, Mitchell T.  
**Cc:** Taiwo, Temitope A.; Yang, Won Sik  
**Subject:** FW: Results of Nuclide Analysis

They are also seeing Ru isotope in the seawater and in the air now.

Chris

---

**From:** Yang, Won Sik  
**Sent:** Thursday, March 24, 2011 5:57 PM  
**To:** Taiwo, Temitope A.  
**Cc:** Grandy, Christopher  
**Subject:** Results of Nuclide Analysis

Tem,

More results of nuclide analysis are in page 11 to 16. They have detected even La isotopes, indicating fuel melting according the correlation of group release and fuel temperature.

Won Sik

---

**From:** Taiwo, Temitope A.  
**Sent:** Thursday, March 24, 2011 5:34 PM  
**To:** Yang, Won Sik; Hoffman, Edward A.; Kim, Taek K.; Adduci, Joseph J.  
**Subject:** FW: Check out these photos

FYI.

Temitope Taiwo  
Argonne National Laboratory  
9700 S. Cass Avenue,  
Argonne, IL 60439-4842, U.S.A.  
[Taiwo@anl.gov](mailto:Taiwo@anl.gov)  
(630) 252 1387

---

**From:** Grandy, Christopher  
**Sent:** Thursday, March 24, 2011 2:51 PM  
**To:** Taiwo, Temitope A.; Sofu, Tanju; Seidensticker, Ralph W.; Farmer, Mitchell T.  
**Subject:** Check out these photos

**James, Lois**

**From:** (b)(6)  
**Sent:** Friday, April 01, 2011 8:12 AM  
**To:** James, Lois  
**Subject:** Japan's New Emergency Safety Counter Measures for PWR BWR.pptx  
**Attachments:** 2011 3 30 JPN's New Emergency Safety Counter Measures for PWR BWR.pptx

Dear Ms. James:

I remember, you told me that your

(b)(6)

(b)(6)

(b)(6)

In appreciation of what your uncle has done for all of us, I want you to know (perhaps, very first in NRC) that:

As of March 30, 2011, Japanese government

- Conceded, for the first time, that Nuclear Power Plant's simultaneous loss of both "off-site" and "on-site" AC Power Sources is reality and
- Announced the countermeasures for the reality.
  - The countermeasure should be implemented by middle of April 2011 for all Nuclear Power Plants in Japan

The countermeasures include both Equipment and Regulatory Procedures

- 3 Equipment
  - A Vehicle with Electric Power Generator
    - To provide Emergency Power for Pumps to Cool Reactor and Spent Fuel Pool
  - A Vehicle with Fire-Engine Capability
    - To provide Emergency Cooling Water
  - A Hose System
    - To secure the availability of both tanked- and sea-water
- Regulatory Procedures
  - All necessary Emergency Implementation Procedures for the Equipment
  - All necessary Emergency Training for Personnel for the Equipment

The countermeasures for BWR and PWR Plants are specifically noted in the Regulatory Procedures.

I am attaching four graphs (in Japanese) which depict the countermeasures.

HHH/194'

I strongly recommend we review the countermeasures ASAP and incorporate them in NRC's Programs to protect our Nuclear Power Plant from the Terrorists Attack.

Sincerely,

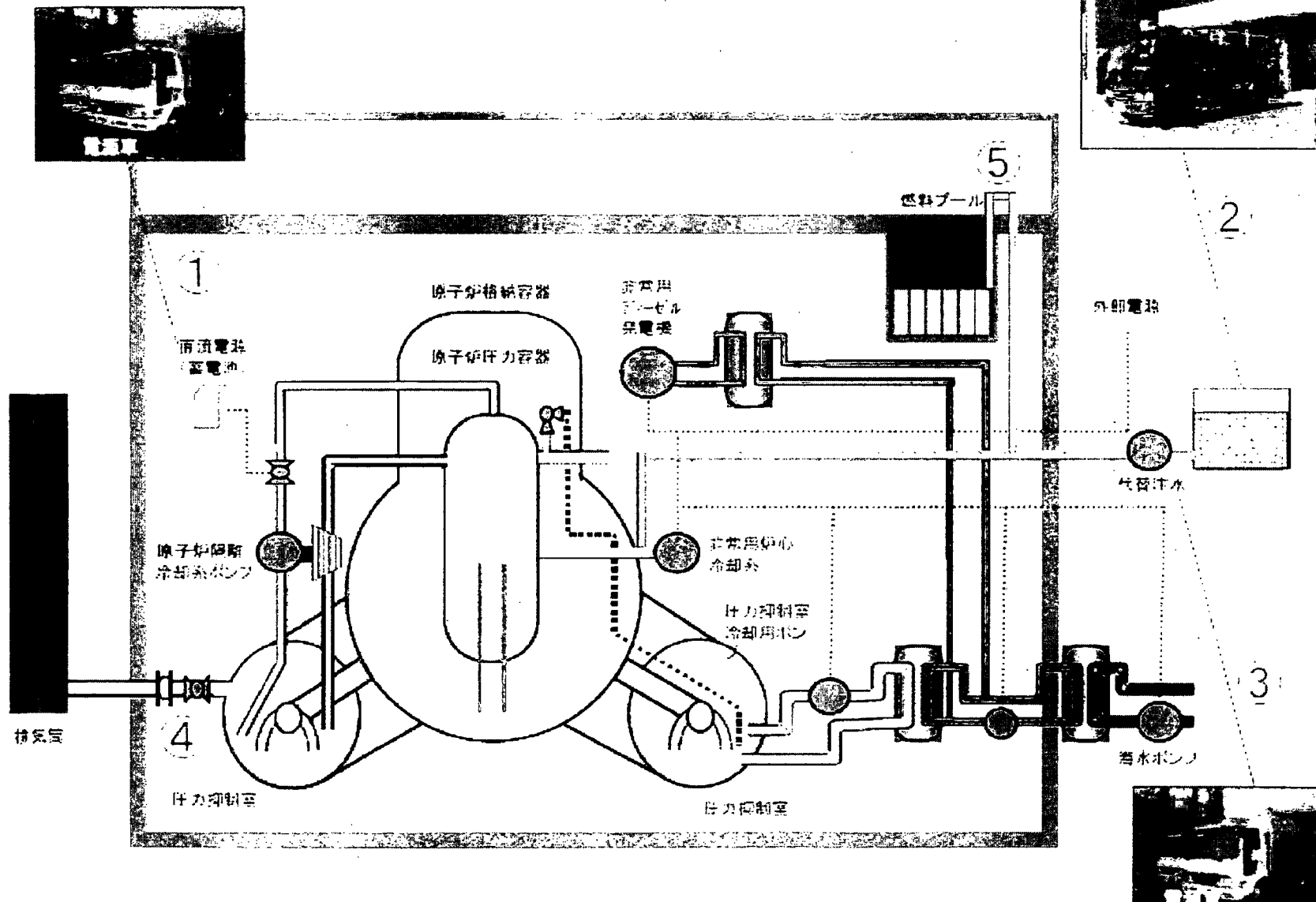
(b)(6)

A rectangular box with a black border, used for redaction of a signature. The text "(b)(6)" is written in the top-left corner of the box.





# BWRにおける津波発生時の事象と対応策



Lee, Richard

---

**From:** Lee, Richard  
**Sent:** Tuesday, April 05, 2011 5:38 PM  
**To:** Powers, Dana; 'Powers, Dana A'  
**Subject:** FW: 4/5 Science Expert Call Briefing  
**Attachments:** graycol.gif; 0405 S-1 Briefing.pptx

fyi

**From:** [Douglas.Burns@inl.gov](mailto:Douglas.Burns@inl.gov) [<mailto:Douglas.Burns@inl.gov>]  
**Sent:** Tuesday, April 05, 2011 5:34 PM  
**To:** Lee, Richard  
**Subject:** Fw: 4/5 Science Expert Call Briefing

Fyi.

Douglas E Burns

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

**From:** Douglas E Burns  
**Sent:** 04/05/2011 02:16 PM MDT  
**To:** [Alex.Larzelere@nuclear.energy.gov](mailto:Alex.Larzelere@nuclear.energy.gov)  
**Subject:** 4/5 Science Expert Call Briefing

Here's today's Science Expert briefing for distribution.

Doug

(See attached file: 0405 S-1 Briefing.pptx)

Douglas E. Burns  
INL Fuel Cycle Science & Technology  
208-526-2051 (office)

(b)(6)

cell)

HHH/195

**From:** Harrington, Holly  
**To:** Correia, Richard  
**Subject:** RE: Japan Incident Resources and Updates  
**Date:** Tuesday, April 05, 2011 3:27:37 PM

---

thanks

**From:** Correia, Richard  
**Sent:** Tuesday, April 05, 2011 2:54 PM  
**To:** Harrington, Holly  
**Subject:** FW: Japan Incident Resources and Updates

Holly,

FYI (I assumed you knew about these other sources of information but just in case I assumed incorrectly.....)

Rich

Richard Correia, PE  
Director, Division of Risk Analysis  
Office of Nuclear Regulatory Research  
US NRC

[richard.correia@nrc.gov](mailto:richard.correia@nrc.gov)

**From:** Cronin, Kevin (CTR) [mailto:Kevin.Cronin@associates.dhs.gov]  
**Sent:** Tuesday, April 05, 2011 1:09 PM  
**To:** Adam, Nabil; Aherne, Jack; [djallard@state.pa.us](mailto:djallard@state.pa.us); (b)(6) Baird, John; Bernard.Bogdan@IC.FBI.GOV; [bondj@nv.doe.gov](mailto:bondj@nv.doe.gov); [rick.boyle@dot.gov](mailto:rick.boyle@dot.gov); (b)(6) [rbrown@citofeastprov.com](mailto:rbrown@citofeastprov.com); Brooks, Marc; Bunch, Robert; Nicholas.Butler@nnsa.doe.gov; [dclarke@tceq.state.tx.us](mailto:dclarke@tceq.state.tx.us); Conklin, Craig W; Cooper, David; Correia, Richard; Cox, Charles R; Creese, Matthew; Cronin, Kevin A; Cubellis, Louis; [abigail.cuthbertson@nnsa.doe.gov](mailto:abigail.cuthbertson@nnsa.doe.gov); [cutlerkb@state.gov](mailto:cutlerkb@state.gov); Daly, Patrick; Debra.Decker@ic.fbi.gov; (b)(6) Del Monico, Timothy; Andrew.Dillon@ic.fbi.gov; Erlanger, Craig; [frieda.fisher-tyler@state.de.us](mailto:frieda.fisher-tyler@state.de.us); Kenneth Friedman; Gainor, Tim; [robert.gallagher@state.ma.us](mailto:robert.gallagher@state.ma.us); Galmiche, John E; Gervais, Carlene; [Debbie.Gillev@doh.state.fl.us](mailto:Debbie.Gillev@doh.state.fl.us); Larry.Hamilton@ic.fbi.gov; [Mark.E.Hammond@uscg.dhs.gov](mailto:Mark.E.Hammond@uscg.dhs.gov); (b)(6) [Joanna.Iliopoulos@nnsa.doe.gov](mailto:Joanna.Iliopoulos@nnsa.doe.gov); Jackson, Gerard; [Garet.Johnson@nnsa.doe.gov](mailto:Garet.Johnson@nnsa.doe.gov); (b)(6) Keller, Fernando H; Kish, James; [Konialianm@state.gov](mailto:Konialianm@state.gov); Layton, Michael; Lewis, Robert; Liang, Rachel; [Ronald.manning@hhs.gov](mailto:Ronald.manning@hhs.gov); Martin, David W; [melanie.may@hq.doe.gov](mailto:melanie.may@hq.doe.gov); Mayo, Ben; [rmcburney@crcpd.org](mailto:rmcburney@crcpd.org); [metzpj@state.gov](mailto:metzpj@state.gov); Miller, Charles; [Jeff.Morgan@ic.fbi.gov](mailto:Jeff.Morgan@ic.fbi.gov); [paul.moskowitz@inl.gov](mailto:paul.moskowitz@inl.gov); [jeffrey.muller@ic.fbi.gov](mailto:jeffrey.muller@ic.fbi.gov); Olabode, Olatokunbo; [bill\\_passetti@doh.state.fl.us](mailto:bill_passetti@doh.state.fl.us); Passow, Richard A; Pederson, Perry; [Perrin.alan@epa.gov](mailto:Perrin.alan@epa.gov); Pamela.Piersanti@ic.fbi.gov; Plapp, Brendan B; Quinn, Vanessa; [ramosg@tswg.gov](mailto:ramosg@tswg.gov); Bryan.Reed@nnsa.doe.gov; Reed, Elizabeth; (b)(6) Reis, Terrence; Reves, Nicholas (CTR); [ribaudo@ors.od.nih.gov](mailto:ribaudo@ors.od.nih.gov); Richeson, Jonathan; [alice.rogers@dshs.state.tx.us](mailto:alice.rogers@dshs.state.tx.us); [Betsy.Rogers@ic.fbi.gov](mailto:Betsy.Rogers@ic.fbi.gov); Ross-Lee, MaryJane; [rubinw@mail.nih.gov](mailto:rubinw@mail.nih.gov); [Ken.Sheely@nnsa.doe.gov](mailto:Ken.Sheely@nnsa.doe.gov); Sheinbaum, Charlotte B; Shropshire, Alan; [Patrick.Starke@ic.fbi.gov](mailto:Patrick.Starke@ic.fbi.gov); Swain, Patricia; [Peter.tensmeyer@nnsa.doe.gov](mailto:Peter.tensmeyer@nnsa.doe.gov); [brian.tse@hhs.gov](mailto:brian.tse@hhs.gov); [douglas.tynan@nnsa.doe.gov](mailto:douglas.tynan@nnsa.doe.gov); VandenBerghe, John; [Mike.Wangler@em.doe.gov](mailto:Mike.Wangler@em.doe.gov); Wastler, Sandra; Wiggins, Jim; [Kenneth.Wilber@ic.fbi.gov](mailto:Kenneth.Wilber@ic.fbi.gov); [Bwright@security.state.ny.us](mailto:Bwright@security.state.ny.us); Yin, Xiaosong; [Wayne.Young@hhs.gov](mailto:Wayne.Young@hhs.gov); Zabko, John; [garrett.zito@ic.fbi.gov](mailto:garrett.zito@ic.fbi.gov)  
**Cc:** [tch@nei.org](mailto:tch@nei.org); Sims, Andrew (CTR)  
**Subject:** Japan Incident Resources and Updates

HHH/196

Nuclear Government and Sector Coordinating Council partners,

Provided for your situational awareness, please see below websites for your consideration:

USA.gov: [Japan 2011 Earthquake/Tsunami – U.S. Government Information](#).

Additional information may be obtained from the following resources:

- U.S. Environmental Protection Agency - [Japanese Nuclear Emergency: EPA's Radiation Air Monitoring](#).
- U.S. Department of Energy – [Energy Blog: The Situation in Japan](#)
- U.S. Nuclear Regulatory Commission [website](#) and its [NRC Blog](#)
- U.S. Customs and Border Protection - [CBP Statement Concerning Radiation Monitoring of Travelers, Goods from Japan](#)
- U.S. Food and Drug Administration - [Radiation Safety](#)
- U.S. Centers for Disease Control and Prevention – [Radiation Dispersal from Japan](#)
- U.S. Department of State - [Japan's Earthquake and Tsunami](#)
- U.S. Agency for International Development - [USAID Responds to the Earthquake and Tsunami in Japan](#)
- International Atomic Energy Agency - [Fukushima Nuclear Accident Update Log](#)

Lastly, please feel free to provide the Nuclear SSA with recommended websites/related materials in an effort to maintain situational awareness, as this incident continues to evolve.

Thanks,

Kevin

Kevin Cronin  
Nuclear Sector Specific Agency  
Office of Infrastructure Protection  
Department of Homeland Security  
Office: (703) 603-5170  
Cell: (b)(6)

Email: [Kevin.Cronin@associates.dhs.gov](mailto:Kevin.Cronin@associates.dhs.gov)

Blackberry: (b)(6)

**From:** Uhle, Jennifer  
**To:** Correia, Richard  
**Subject:** RE: Japan Incident Resources and Updates  
**Date:** Tuesday, April 05, 2011 3:03:18 PM

---

Thanks Rich. It is interesting to see what other agencies are posting.

**From:** Correia, Richard  
**Sent:** Tuesday, April 05, 2011 2:54 PM  
**To:** Gibson, Kathy; Case, Michael; Barnes, Valerie; Sheron, Brian; Uhle, Jennifer  
**Subject:** FW: Japan Incident Resources and Updates

FYI

Richard Correia, PE  
Director, Division of Risk Analysis  
Office of Nuclear Regulatory Research  
US NRC

[richard.correia@nrc.gov](mailto:richard.correia@nrc.gov)

**From:** Cronin, Kevin (CTR) [mailto:Kevin.Cronin@associates.dhs.gov]  
**Sent:** Tuesday, April 05, 2011 1:09 PM  
**To:** Adam, Nabil; Aherne, Jack; djallard@state.pa.us; (b)(6) Baird, John; Bernard.Bogdan@IC.FBI.GOV; bondj@nv.doe.gov; rick.boyle@dot.gov; (b)(6) rbrown@citofeastprov.com; Brooks, Marc; Bunch, Robert; Nicholas.Butler@nnsa.doe.gov; dclarke@tceq.state.tx.us; Conklin, Craig W; Cooper, David; Correia, Richard; Cox, Charles R; Creese, Matthew; Cronin, Kevin A; Cubellis, Louis; abigail.cuthbertson@nnsa.doe.gov; cutlerkb@state.gov; Daly, Patrick; Debra.Decker@ic.fbi.gov; (b)(6) Del Monico, Timothy; Andrew.Dillon@ic.fbi.gov; Erlanger, Craig; Frieda.Fisher-Tyler@state.de.us; Kenneth Friedman; Gainor, Tim; robert.gallagher@state.ma.us; Galmiche, John E; Gervais, Carlene; Debbie Gilley@doh.state.fl.us; Larry.Hamilton@ic.fbi.gov; Mark.E.Hammond@uscg.dhs.gov; (b)(6) Ioanna.Iliopoulos@nnsa.doe.gov; Jackson, Gerard; Garet.Johnson@nnsa.doe.gov; (b)(6) Keller, Fernando H; Kish, James; Konialianm@state.gov; Layton, Michael; Lewis, Robert; Liang, Rachel; Ronald.manning@hhs.gov; Martin, David W; melanie.may@hq.doe.gov; Mayo, Ben; rmcburney@crpcd.org; metzpj@state.gov; Miller, Charles; Jeff.Morgan@ic.fbi.gov; paul.moskowitz@inl.gov; jeffrey.muller@ic.fbi.gov; Olabode, Olatokunbo; bill\_passetti@doh.state.fl.us; Passow, Richard A; Pederson, Perry; Perrin.alan@epa.gov; Pamela.Piersanti@ic.fbi.gov; Plapp, Brendan B; Quinn, Vanessa; ramosa@tswg.gov; Bryan.Reed@nnsa.doe.gov; Reed, Elizabeth; (b)(6) Reis, Terrence; Reves, Nicholas (CTR); ribaudoc@ors.od.nih.gov; Richeson, Jonathan; alice.rogers@dshs.state.tx.us; Betsy.Rogers@ic.fbi.gov; Ross-Lee, (b)(6) Ken.Sheely@nnsa.doe.gov; Sheinbaum, Charlotte B; Shropshire, Alan; Patrick.Starke@ic.fbi.gov; Swain, Patricia; Peter.tensmeyer@nnsa.doe.gov; brian.tse@hhs.gov; douglas.tynan@nnsa.doe.gov; VandenBerghe, John; Mike.Wangler@em.doe.gov; Wastler, Sandra; Wiggins, Jim; Kenneth.Wilber@ic.fbi.gov; Bwright@security.state.ny.us; Yin, Xiaosong; Wayne.Young@hhs.gov; Zabko, John; garrett.zito@ic.fbi.gov  
**Cc:** tch@nei.org; Sims, Andrew (CTR)  
**Subject:** Japan Incident Resources and Updates

Nuclear Government and Sector Coordinating Council partners.

Provided for your situational awareness, please see below websites for your consideration:

[USA.gov: Japan 2011 Earthquake/Tsunami - U.S. Government Information](#)

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Additional information may be obtained from the following resources:

- U.S. Environmental Protection Agency - [Japanese Nuclear Emergency: EPA's Radiation Air Monitoring](#).
- U.S. Department of Energy – [Energy Blog: The Situation in Japan](#)
- U.S. Nuclear Regulatory Commission [website](#) and its [NRC Blog](#)
- U.S. Customs and Border Protection - [CBP Statement Concerning Radiation Monitoring of Travelers, Goods from Japan](#)
- U.S. Food and Drug Administration - [Radiation Safety](#)
- U.S. Centers for Disease Control and Prevention – [Radiation Dispersal from Japan](#)
- U.S. Department of State - [Japan's Earthquake and Tsunami](#)
- U.S. Agency for International Development - [USAID Responds to the Earthquake and Tsunami in Japan](#)
- International Atomic Energy Agency - [Fukushima Nuclear Accident Update Log](#)

Lastly, please feel free to provide the Nuclear SSA with recommended websites/related materials in an effort to maintain situational awareness, as this incident continues to evolve.

Thanks,

Kevin

Kevin Cronin  
Nuclear Sector Specific Agency  
Office of Infrastructure Protection  
Department of Homeland Security  
Office: (703) 603-5170  
Cell: (b)(6)  
Email: [Kevin.Cronin@associates.dhs.gov](mailto:Kevin.Cronin@associates.dhs.gov)  
Blackberry: (b)(6)

**From:** (b)(6)  
**To:** info@assistance@info.org; Bonaccorso, Amy; earthquake@ws.mofa.go.jp; OPA Resource;  
NITOPS@NNSA.DOE.GOV; the.secretary@doe.gov; josephmccarthy@mail.house.gov; cactus\_muto@mofa.go.jp  
**Cc:** (b)(6); prof.monstewart@cyberolympics.com; (b)(6); elias@cosposition.com  
**Subject:** OPTIMIZING USE OF NITROGEN from eight years of studying the inert molecule.  
**Date:** Thursday, April 07, 2011 2:41:29 AM

---

Gentlemen working to control the Fukushima Reactor Complex Situation,

Please take my discoveries over the last eight years and apply them for the most efficient use of Nitrogen at the Fukushima plant. From today's news, I am assuming that you are using compressed Nitrogen tanks to flood the inside of the reactors with Nitrogen gas to insulate the generated Hydrogen and its isotopes from combining with Oxygen and exploding.

From my work of using Calcium generated Hydrogen as backup fuel for fuel cells and Hydrogen fueled vehicles, I learned that a concentration of Hydrogen exposed to air will spontaneously react in an explosion with red rods of light radiating from the combination as was observed by those viewing the Hindenburg explosion May 6, 1937 in New Jersey. (b)(6) You are working with the Nitrogen injection to prevent this. I found the same red radiating bars when filling a 2 liter clear vase with hydrogen and tipping it just enough to draw in a bit of Oxygen to initiate a spontaneous explosion. The spectral colors were disputed in a PBS program on the Hindenburg explosion - be whatever - the red rods were seen in daylight now both times. US Patent Application: 11/825,992 - DuBrucq, inventor.

Remember, it takes a five mile an hour cutting wind to disperse contaminating materials into a pure, inert Nitrogen cloud of gas. If you just flood the rods with the injected Nitrogen you will get pockets of Hydrogen gas which could still encounter air and explode unless you have a fan or create another means to mixing the air components at above five miles an hour.

You are missing the most powerful aspects of Nitrogen application in what you are doing. If you lower the temperature of the reactor environment, this Hydrogen generation will slow to normal levels. You also lose control of the gas taking it from a tank. Sourcing Nitrogen gas from Liquid Nitrogen will put the pure, inert, cryogenically cold Nitrogen cloud where it is needed to do the most effective cooling and can reuse it to dilute Hydrogen content of the air inside the reactor and leaking out..

Here is what you should be doing in the injection of Nitrogen. First, start with Liquid Nitrogen and present it through a perforated pan using 1/2" spaced 1/16" holes so the Liquid Nitrogen forms drops like rain. This causes immediate evaporation with the accumulating Nitrogen gas - inert, pure, and cryogenically cold - to gather as it eliminates other materials.

To cool the concrete containing the reactor, if still in place, create a bowl to contain the coldest Nitrogen gas against the concrete by putting a row of sand or other air barrier material at the edges of the plane of the flat roof. This will allow the most dense Nitrogen - the coldest, if you will - to concentrate at the upper surface of the

HHH 1198

concrete inside the bowl you formed with the sand edges. As the Nitrogen warms, it becomes less dense and is replaced in the bowl area by newly rained colder Nitrogen over the concrete and the warmer Nitrogen flows over the edges of the bowl flowing down the sides of the concrete structure doing additional cooling..

Concrete does rapidly conduct heat, especially with metal rebar reinforcement, which, with the age of the reactors, is assumed to be used in its construction. The minus 190 degrees C. Nitrogen gas will absorb the heat of the concrete surface and that will cool the entire reactor within a rather short time of application. The bowl enables the coldest Nitrogen to lay on the upper surface until it warms. You can drain the Nitrogen to flow into the reactor environment from that forming on the roof by having one section of the sand or whatever wall lower as a pitcher spout and then it will flow down into a funnel and into the space in the reactor through whatever piping you might be injecting the Nitrogen through from the tank if you want it to flood the reactor center and surround the now dry fuel rods.

Heavy water mixing with the Nitrogen will carry it far. If you prevent the emission of the Hydrogen by doing the cooling of the reactor fuel rods you will return to the same Hydrogen generation rate as is normal for the reactor.

Please accept the offer of at least consultation on this matter to make your efforts the most efficient at returning Fukushima Nuclear Facility to thermal normality. Including Drs. Joe Resnick and Ron Stewart with their ORIE Imaging Analysis we can track the thermal changes as Nitrogen is applied to better control the activities as you work.

You all have the offers made regarding the CryoRain Technology over the last three weeks. The wall constructing in applying the cryogenically cold Nitrogen gas on the roof of the reactor is new information that we would have applied were we there. Please consider this to bring the conclusion of these nuclear crises in Japan.

Thank you so very much for all you are doing. Hopefully, what we have conveyed here will hasten its safe and successful conclusion.

And, on rebuilding the facility, I suggest retrofitting with CryoRain's Fixed Liquid Nitrogen Fire control in all six reactor zones and throughout the facility so cool down from Liquid

Nitrogen would happen at the first sign of heating and all the computer controls would not be damaged were a fire to happen anywhere throughout the facility. This should be a must throughout the world at all the nuclear power facilities.

Most respectfully submitted,

Denyse DuBrucq Ed.D.  
CEO - CryoRain Inc.  
1 Webster Street  
Arlington MA 02474 - 5203 USA

937 766-4660

(b)(6)



Today's News Quote:

### Preventing Blasts a Focus at Japan Nuclear Plant

Mari Yamaguchi AP Apr. 6, 2011

Superheated or damaged fuel rods can pull explosive hydrogen from cooling water. If the gas were to combine with oxygen, there could be a blast, but nitrogen reduces that possibility.

Technicians began pumping nitrogen into an area around one of the plant's six reactors in the early hours of Thursday to counteract the hydrogen, said Makoto Watanabe, a spokesman for Japan's Nuclear and Industrial Safety Agency. They want to prevent hydrogen explosion that could spew radiation and damage the reactors.

An internal report from March 26 by the US Nuclear Regulatory Commission warned such explosions could occur.

The nitrogen pumping also has risks, but the nuclear agency approved it as a necessary measure to avoid danger, spokesman Hidehiko Nishiyama said. The injection will take six days could release radioactive vapor into the environment, but residents within 12 miles (20 kilometers) of the plant have been evacuated.

**From:** Bonaccorso, Amy  
**To:** Bonaccorso, Amy  
**Subject:** FW: Thank you....  
**Date:** Thursday, April 07, 2011 2:42:00 PM

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Spam because so many people are being emailed, and we have responded to this individual before.

(b)(6)  
**From:** (b)(6)  
**Sent:** Thursday, April 07, 2011 2:38 PM  
**To:** rklester@mit.edu; kazimi@mit.edu  
**Cc:** yamamoto.masayuki@tepcoco.jp; inpoercassistance@inpo.org; Bonaccorso, Amy; earthquake@ws.mofa.go.jp; OPA Resource; NITOPS@NNSA.DOE.GOV; the.secretary@doe.gov; josephmccarthy@mail.house.gov; sachio.muto@mofa.go.jp; "prof-ronstewart\\""@cyberglyphics.com; (b)(6) lias@cbsboston.com; steve@cccga.com;  
(b)(6)  
**Subject:** Thank you....

Dear Professors Lester and Kazimi,

Thank you for the courtesy expensed toward our Colleague, Dr. DeBrucq, regarding the 'CryoRain Technology' which our team proposed for deployment some weeks ago.  
See: <http://www.prlog.org/11384663-independent-scientists-propose-use-of-cryorain-technology-to-mitigate-reactor-meltdowns-in-japan.html> .

I was so very pleased to learn, late last night, that TEPCO responders had introduced the use of N2 (filling procedure) into the mitigation scenario at Fukushima. This is definitely a step in the right direction...allowing more time for controlled cleanup measures to be planned and implemented.

Dr. DeBrucq had circulated the following information earlier today to members of our Working Group as well as some of the individuals and stakeholders copied on this correspondence. Excerpt from that messages is provided herewith for all enabling enhanced understanding of the 'CryoRain' process, as opposed to 'filling' or 'flooding' with N2 directly from a tank. This is very important...with the ultimate goal being to remove the O2 from the equation...thus eliminating or at least minimizing the threat of potential explosions...and cooling the reactors...and 'buying time'!

We share this information and technology with hope that we can assist world efforts in saving lives, the environment and helping in any way. The text (advanced earlier today by Dr. DuBrucq) is as follows:

Gentlemen working to control the Fukushima Reactor Complex Situation,

Please take my discoveries over the last eight years and apply them for the most efficient use of Nitrogen at the Fukushima plant. From today's news, I am assuming that you are using compressed Nitrogen tanks to flood the inside of the reactors with Nitrogen gas to insulate the generated Hydrogen and its isotopes from combining with Oxygen and exploding.

From my work of using Calcium generated Hydrogen as backup fuel for fuel cells and

HHH/199

Hydrogen fueled vehicles, I learned that a concentration of Hydrogen exposed to air will spontaneously react in an explosion with red rods of light radiating from the combination as was observed by those viewing the Hindenburg explosion May 6, 1937 in New Jersey. (b)(6) You are working with the Nitrogen injection to prevent this. I found the same red radiating bars when filling a 2 liter clear vase with hydrogen and tipping it just enough to draw in a bit of Oxygen to initiate a spontaneous explosion. The spectral colors were disputed in a PBS program on the Hindenburg explosion - be whatever - the red rods were seen in daylight now both times. US Patent Application: 11/825,992 - DuBrucq, inventor.

Remember, it takes a five mile an hour cutting wind to disperse contaminating materials into a pure, inert Nitrogen cloud of gas. If you just flood the rods with the injected Nitrogen you will get pockets of Hydrogen gas which could still encounter air and explode unless you have a fan or create another means to mixing the air components at above five miles an hour.

You are missing the most powerful aspects of Nitrogen application in what you are doing. If you lower the temperature of the reactor environment, this Hydrogen generation will slow to normal levels. You also lose control of the gas taking it from a tank. Sourcing Nitrogen gas from Liquid Nitrogen will put the pure, inert, cryogenically cold Nitrogen cloud where it is needed to do the most effective cooling and can reuse it to dilute Hydrogen content of the air inside the reactor and leaking out..

Here is what you should be doing in the injection of Nitrogen. First, start with Liquid Nitrogen and present it through a perforated pan using 1/2" spaced 1/16" holes so the Liquid Nitrogen forms drops like rain. This causes immediate evaporation with the accumulating Nitrogen gas - inert, pure, and cryogenically cold - to gather as it eliminates other materials.

To cool the concrete containing the reactor, if still in place, create a bowl to contain the coldest Nitrogen gas against the concrete by putting a row of sand or other air barrier material at the edges of the plane of the flat roof. This will allow the most dense Nitrogen - the coldest, if you will - to concentrate at the upper surface of the concrete inside the bowl you formed with the sand edges. As the Nitrogen warms, it becomes less dense and is replaced in the bowl area by newly rained colder Nitrogen over the concrete and the warmer Nitrogen flows over the edges of the bowl flowing down the sides of the concrete structure doing additional cooling..

Concrete does rapidly conduct heat, especially with metal rebar reinforcement, which, with the age of the reactors, is assumed to be used in its construction. The minus 190 degrees C. Nitrogen gas will absorb the heat of the concrete surface and that will cool the entire reactor within a rather short time of application. The bowl enables the coldest Nitrogen to lay on the upper surface until it warms. You can drain the Nitrogen to flow into the reactor environment from that forming on the roof by having one section of the sand or whatever wall lower as a pitcher spout and then it will flow down into a funnel and into the space in the reactor through whatever piping you might be injecting the Nitrogen through from the tank if you want it to flood the reactor

center and surround the now dry fuel rods.

Heavy water mixing with the Nitrogen will carry it far. If you prevent the emission of the Hydrogen by doing the cooling of the reactor fuel rods you will return to the same Hydrogen generation rate as is normal for the reactor.

Please accept the offer of at least consultation on this matter to make your efforts the most efficient at returning Fukushima Nuclear Facility to thermal normality. Including Drs. Joe Resnick and Ron Stewart with their ORIE Imaging Analysis we can track the thermal changes as Nitrogen is applied to better control the activities as you work.

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Thank you so very much for all you are doing. Hopefully, what we have conveyed here will hasten its safe and successful conclusion.

And, on rebuilding the facility, I suggest retrofitting with CryoRain's Fixed Liquid Nitrogen Fire control in all six reactor zones and throughout the facility so cool down from Liquid Nitrogen would happen at the first sign of heating and all the computer controls would not be damaged were a fire to happen anywhere throughout the facility. This should be a must throughout the world at all the nuclear power facilities.

Most respectfully submitted,

Denyse DuBrucq Ed.D.  
CEO - CryoRain Inc.  
1 Webster Street  
Arlington MA 02474 - 520<sup>7</sup> USA

~~7037 766 4660~~

(b)(6)

Thank you both for your genuine concern.

Respectfully,

Dr. Joseph A. Resnick, Ph.D., MPH, Professor Emeritus

**"True Leadership, is through able example...and not by vain display of authority, power or glory" ~ Quote by 'me', NASA ISDC Convention Dinner, May 2005, Washington, D.C.**

Please share this link with all in your email circle: [www.vansforvets.org](http://www.vansforvets.org)

Lee, Richard

---

**From:** Lee, Richard  
**Sent:** Monday, April 11, 2011 2:11 PM  
**To:** 'Powers, Dana A'  
**Subject:** FW: Nuclear science group call - Today at 5:00pm EDT  
**Attachments:** Trip Notes.doc

fyi

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

**From:** Lyons, Peter [<mailto:Peter.Lyons@Nuclear.Energy.gov>]  
**Sent:** Monday, April 11, 2011 2:08 PM  
**To:** Adams, Ian; Aoki, Steven; Binkley, Steve; Brinkman, Bill; Budnitz, Bob; Butnitz, Bob (pacbell.net); Finck, Phillip; Garwin, Dick (EOP); Garwin, Dick (IBM); Grossenbacher, John (INL); Hurlbut, Brandon; Kelly, John E (NE); Lee, Richard; McFarlane, Harold; Miller, Neile; Mustin, Tracy; Peterson, Per; Sheron, Brian; Steve Fetter; Szilard, Ronaldo; Owens, Missy  
**Cc:** Smith, Haley; Chambers, Megan (S4); Narendra, Blake; Fitzgerald, Paige; Pitzer, Karrie S.  
**Subject:** RE: Nuclear science group call - Today at 5:00pm EDT

Of possible interest, attached are my rough trip notes from last week in Japan.

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

**From:** Adams, Ian  
**Sent:** Monday, April 11, 2011 10:20 AM  
**To:** Adams, Ian; Aoki, Steven; Binkley, Steve; Brinkman, Bill; Budnitz, Bob; Butnitz, Bob (pacbell.net); Finck, Phillip; Garwin, Dick (EOP); Garwin, Dick (IBM); Grossenbacher, John (INL); Hurlbut, Brandon; Kelly, John E (NE); Lee, Richard (NRC); Lyons, Peter; McFarlane, Harold; Miller, Neile; Mustin, Tracy; Peterson, Per; Sheron, Brian; Steve Fetter; Szilard, Ronaldo; Owens, Missy  
**Cc:** Smith, Haley; Chambers, Megan (S4); Narendra, Blake; Fitzgerald, Paige; Pitzer, Karrie S.  
**Subject:** Nuclear science group call - Today at 5:00pm EDT

Good morning,

Moving forward, we are going to do science group conference calls three times a week - on Monday, Tuesday, and Thursday at 5:00pm EDT. There will be a call this afternoon.

Please let me know if you have conflicts with this time.

Nuclear science group conference call schedule:  
Monday, Tuesday, Thursday: 5:00pm EDT

Conference call information:

Please dial into (b)(6)

No PIN is needed.

Thanks  
Ian

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**From:** Adams, Ian  
**Sent:** Wednesday, March 30, 2011 3:46 PM  
**To:** Adams, Ian; Adams, Ian; Aoki, Steven; Binkley, Steve; Brinkman, Bill; Budnitz, Bob; Butnitz, Bob (pacbell.net); Finck, Phillip; Garwin, Dick (EOP); Garwin, Dick (IBM); Grossenbacher, John (INL); Hurlbut, Brandon; Kelly, John E (NE); Lee, Richard (NRC); Lyons,

HHH/200

Peter; McFarlane, Harold; Miller, Neile; Mustin, Tracy; Peterson, Per; Sheron, Brian; Steve Fetter; Szilard, Ronaldo; Owens, Missy  
Cc: Smith, Haley; Chambers, Megan (S4); Narendra, Blake; Fitzgerald, Paige; Pitzer, Karrie S.  
Subject: Nuclear science group call - Today at 5:00pm EDT

Good afternoon,

Just a reminder, today's call will take place at 5:00pm EDT. Thursday's call will be at 4:00pm EDT.

Friday's call will now take place at 6:15pm EDT.

Please let me know if you have conflicts with those times.

Thanks,  
Ian

Nuclear science group conference call schedule:

Wednesday 3/30: 5:00pm-6:00pm EDT

Thursday 3/31: 4:00pm-5:00pm EDT

Friday 4/1: 6:15pm-7:15pm EDT

Conference call information:

Please dial into (b)(6)

No PIN is needed.

---

From: Adams, Ian

Sent: Tuesday, March 29, 2011 6:55 PM

To: Adams, Ian; DL-NITsolutions; Owens, Missy

Cc: Smith, Haley; Chambers, Megan (S4); Narendra, Blake; Fitzgerald, Paige

Subject: Nuclear science group call schedule

Good afternoon,

Wednesday's call will take place at 5:00pm EDT. Thursday's call will move earlier, to 4:00pm EDT.

Friday's call will take place at 5:45pm EDT.

Please let me know if you have conflicts with those times.

Thanks  
Ian

Nuclear science group conference call schedule:

Wednesday 3/30: 5:00pm-6:00pm EDT

Thursday 3/31: 4:00pm-5:00pm EDT

Friday 4/1: 5:45pm-6:45pm EDT

Conference call information:

Please dial into (b)(6)

No PIN is needed.

From: Adams, Ian  
Sent: Monday, March 28, 2011 4:32 PM  
To: DL-NITSolutions; Owens, Missy  
Cc: Smith, Haley; Chambers, Megan (S4); Narendra, Blake; Fitzgerald, Paige  
Subject: Quick science group call today - 7:00pm EDT

Good afternoon,

Dr. Holdren would like to pull everyone who is available together today at 7:00pm EDT for a few minutes. This is to discuss a technical question before a recommendation is made.

Apologies for the short notice - don't worry if you aren't able to make it, but for those of you who are able, we will have a brief call today from 7:00-7:15pm EDT.

Tomorrow's call will still take place as scheduled, at 4:45pm EDT. Wednesday's call will take place at 5:00pm EDT

Thanks  
Ian

Nuclear science group conference call schedule:

Monday 3/28: 7:00pm-7:15pm EDT

Tuesday 3/29: 4:45pm-5:45pm EDT

Wednesday 3/30: 5:00pm-6:00pm EDT

Conference call information:

Please dial into (b)(6)

No PIN is needed.

Ian Adams  
Office of the Secretary  
Department of Energy  
(202) 586-9585  
[ian.adams@hq.doe.gov](mailto:ian.adams@hq.doe.gov)

**Lee, Richard**

---

**From:** Lee, Richard  
**Sent:** Monday, April 11, 2011 4:49 PM  
**To:** 'Powers, Dana A'  
**Subject:** FW: Slides for Today's Science Experts Call  
**Attachments:** image001.jpg; 0409 S-1 Briefing rev2.pptx

Hi, Dana:

Did you get this?

Richard

---

**From:** Larzelere, Alex [<mailto:alex.larzelere@nuclear.energy.gov>]  
**Sent:** Monday, April 11, 2011 4:17 PM  
**To:** DL-NITSolutions  
**Cc:** 'Busby, Jeremy T.'; Douglas E Burns; Schneider, Steve; Caponiti, Alice  
**Subject:** Slides for Today's Science Experts Call

Everyone,

Attached are the slides for today's 5pm EDT Science Experts call. The number is:

(b)(6)

Please let me know if you have any problems receiving the attachment.

Regards,

Alex

---

**Alex R. Larzelere**  
Director, Advanced Modeling and Simulation Office  
Office of Nuclear Energy (NE-71)  
U.S. Department of Energy  
202-586-1906  
[Alex.Larzelere@nuclear.energy.gov](mailto:Alex.Larzelere@nuclear.energy.gov)

 **AMSO**  
ADVANCED MODELING & SIMULATION OFFICE

HHH/201



**From:** Coyne, Kevin  
**To:** Boyce, Thomas (OIS)  
**Cc:** Correia, Richard; Coe, Doug; Ibarra, Jose; Parks, Jazel  
**Subject:** RE: Additional Information Multiple FOIA Requests  
**Date:** Monday, April 11, 2011 6:21:51 PM  
**Attachments:** RE: Additional Information Multiple FOIA Requests.msg

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Mr. Boyce –

I am one of the individuals specifically named in the recent MSNBC FOIA request for all emails sent and received during a defined period. I had sent an email last Thursday to the "[ICOD.Support@nrc.gov](mailto:ICOD.Support@nrc.gov)" as per your direction below to obtain assistance in collecting, organizing, and printing out emails (including attachments) captured by the FOIA, but have yet to receive a response from anyone from OIS (see attached). Is there a different mailbox that is now being used or a different procedure for obtaining OIS support for this activity? Any help from OIS on this matter is definitely appreciated –

Thanks!

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) [redacted] cell)

**From:** Boyce, Thomas (OIS)

**Sent:** Friday, April 01, 2011 1:52 PM

**To:** Boyce, Thomas (OIS); Hamilton, Brandi; Clarke, Deanna; Bettis, Ashley; Whetstine, Jack; Marks, Sharon; Hopkins, Rhonda; Clayton, Kathleen; Jaegers, Cathy; Fleming, Barbara; Davis, Catherine; Tressler, Patricia; Poland, Catherine; Rodgers, Mary; Correa, Yessie; Coates, Anissa; Craver, Patti; Gorham, Tajuan; Walker(NRR), Sandra; Wimbush, Andrea; Raynor, Catherine; Belmore, Nancy; Warner, MaryAnn; Hudson, Sharon; Ellis, Marv; Rossi, Roberta; Crutchley, Mary Glenn; Hernandez, Pete; Nibert, Patty; Remsburg, Kristy; Vincent, Leslie; Alexander, Christine; Wilding, Sally; Picon-Colon, Reinaldo; Shay, Jason; Crouch, Nicole; Boyd, Lena

**Cc:** Janney, Margie; Nichols, Russell; Sealing, Donna; Paradiso, Karen; Landau, Mindy; Clayton, Kathleen; McDermott, Brian; Morris, Scott; Holahan, Patricia; Erlanger, Craig; Thaggard, Mark; Correia, Richard; Layton, Michael; Wimbush, Andrea; Glitter, Joseph; Nelson, Robert; Howe, Allen; Ruland, William; Bahadur, Sher; Craver, Patti; Mamish, Nader; Mitchell, Linda; Hayden, Elizabeth; Shannon, Valerie; Vietti-Cook, Annette; Champ, Billie; Case, Michael; Richards, Stuart; Gibson, Kathy; Scott, Michael; Coe, Doug; Coyne, Kevin; Parks, Jazel; Powell, Amy; Droggitis, Spiros; Belmore, Nancy; Hirsch, Patricia; Remsburg, Kristy; Pulliam, Timothy; Rodgers, Mary; Whetstine, Jack; Corbett, James; Shields, James; Rich, Thomas; Holonich, Joseph; Schaeffer, James; Evans, Michele; Rheaume, Cynthia; Boger, Bruce; Grobe, Jack; Givvines, Mary; Uhle, Jennifer; Valentin, Andrea; Dorman, Dan; Matthews, David; Akstulewicz, Frank; Madden, Patrick; Correa, Yessie; Baker, Pamela; Manning, Louis; Coleman, Judy; Travick, Vanette; Holt, BJ; Choe, Jeannie; Hays, Myra; Munroe, Stacey; Holahan, Gary; Dean, Bill; Kardaras, Tom; Ordaz, Vonna; Ferrell, Kimberly; McKelvin, Sheila; Mike, Linda; Hart, Ken; Laufer,

HHH/202

Richard; Bovol, Rochelle; Shea, Pamela; Bates, Andrew; Wright, Darlene; Lewis, Antoinette; Raphael, Mary Jean; Muessle, Mary; Andersen, James; Wagner, Katie; Flanagan, Michelle; Marshall, Jane; Haney, Catherine; Kinneman, John; Kokajko, Lawrence; Doolittle, Elizabeth; Ford, William; Smith, James; Smith, Shawn; White, Bernard; Bailey, Marissa; Davis, Jack; Mohseni, Aby; Tschiltz, Michael; Weaver, Doug; Eitrem, Anthony; Hiltz, Thomas; Smith, Brian; Habighorst, Peter; Johnson, Robert; Campbell, Larry; Silva, Patricia; Rivera-Lugo, Richard; Larche, Linda; Walker, Tracy; Smith, Sharon; Trent, Glenn; Wert, Leonard; Howell, Art; Casto, Chuck; Ash, Darren; Schaeffer, James

**Subject:** Additoinal Information Multiple FOIA Requests

Subject: Multiple FOIA Requests

On March 28 I asked you to give me until the end of the week to develop some additional guidance and, hopefully, some automated tools to aid in how we handle the multiple FOIA requests we are receiving. Since that time, we have received even more FOIA requests. I have met with OIS staff to discuss guidance and possible solutions. OIS staff continues to meet with many of you who are involved in processing these requests to support your efforts. Here is where we are today:

We have received duplicate or very similar requests and we're confident that we will receive more requests for identical, similar or additional information. The OIS FOIA staff is aware of this situation and has not been tasking the agency when the requests are duplicates. They are sending these requests to the appropriate offices "for your information" so that you are aware of them, but the OIS FOIA staff will answer them from the information you provide on the earlier request(s) of that nature.

To assist with FOIA requests that require e-mail collection, OIS will provide technical support to search for e-mail messages based on specific criteria. This includes searching e-mail boxes, copying the messages into one e-mail folder and consolidating the entire e-mail folder into one document using Adobe that can be forwarded to the NRC Copy Center for printing. If you need assistance with e-mail search, please send an e-mail request to [ICOD.Support@nrc.gov](mailto:ICOD.Support@nrc.gov). *(NOTE: This mailbox will be available beginning on Tuesday, April 5<sup>th</sup>, 2011).*

As always, the Customer Support Center can assist you with general e-mail support (e.g. creating folders, search, etc.), please contact the Customer Support Center, 301-415-1234, Option 2.

We have encountered difficulty printing attachments to e-mails. We are testing that and will provide the group with an update next week on our test results for printing the embedded file attachments using a third-party utility. Meanwhile, for those of you who have decided to print your own e-mails, the instructions for converting an individual e-mail message to a new PDF, and the instructions for converting an e-mail folder to a new PDF are attached.

Additionally, based on input from the Office FOIA Coordinators, OIS is currently reviewing additional technical solutions related to automating large FOIA requests. We will provide periodic updates regarding the status of these efforts.

The Office of Administration, Division of Administrative Services, Publications Branch, Reproduction Section, is able to assist you with printing some of the large volumes of e-mails. A request may be submitted on NRC Form 20. To facilitate this, provide the files to them on PDF format on a CD, DVD,

or a NRC encrypted thumb drive. The Reproduction Section can accept job requests via the [reproduction.resource@nrc.gov](mailto:reproduction.resource@nrc.gov) e-mail box. For rush requests, please call ahead to (301) 415-2070.

It is understood that those of you whose resources have been strained by responding to the events in Japan are also dealing with the surge in FOIA requests about these events. I realize that the normal response times required by the FOIA will not be met because of these exigent circumstances. I will discuss with the Deputy Executive Director for Corporate Management about the service level metrics and how we can adjust them to accommodate this unusually large number of requests. We will update you on the metric discussion in the near future.

There has been some misunderstanding about the meaning of an expedited FOIA request. An expedited request means that the request goes to the front of the already existing FOIA queue. The intent is to give this request priority for processing more quickly than would otherwise occur if it were placed at the end of the first-in, first-out queue. It does not mean that we must divert critical resources from other mission related work. However, I ask that you continue to work on these FOIA requests as your current resources allow. These requests cannot simply be set aside indefinitely without progress in addressing the request(s). The expectation is that progress will be made on these on a weekly, if not daily basis. Additionally, the OIS FOIA staff is thoroughly analyzing each request for expedited processing or fee waiver and applying the legal criteria. Expedited processing and fee waivers will only be granted when the criteria are met, and I am sure there will continue to be requests that meet these criteria. The OIS FOIA staff will tell you if a request has been granted expedited processing or a fee waiver, or whether a fee estimate is necessary.

Thomas Boyce  
Deputy Chief Information Officer  
Director, Office of Information Services  
Nuclear Regulatory Commission  
301-415-8700

Attachment RE Additional Information Multiple FOIA Reques\_1.msg (2560 Bytes) cannot be converted to PDF format.

**From:** Case, Michael  
**To:** Correia, Richard  
**Cc:** Coyne, Kevin  
**Subject:** RE: Additional Information Multiple FOIA Requests  
**Date:** Tuesday, April 12, 2011 6:56:16 AM  
**Attachments:** RE Foia Help Request.msg

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I used that service as well. I haven't received my package yet but Richie found a contact for me (Bob Randall)

**From:** Correia, Richard  
**Sent:** Tuesday, April 12, 2011 6:34 AM  
**To:** Case, Michael; Gibson, Kathy; Valentin, Andrea  
**Subject:** FW: Additional Information Multiple FOIA Requests

Anyone in your Division experiencing what Kevin has regarding OIS support for FOIAs?

Richard Correia, PE  
Director, Division of Risk Analysis  
Office of Nuclear Regulatory Research  
US NRC

[richard.correia@nrc.gov](mailto:richard.correia@nrc.gov)

**From:** Coyne, Kevin  
**Sent:** Monday, April 11, 2011 6:22 PM  
**To:** Boyce, Thomas (OIS)  
**Cc:** Correia, Richard; Coe, Doug; Ibarra, Jose; Parks, Jazel  
**Subject:** RE: Additional Information Multiple FOIA Requests

Mr. Boyce –

I am one of the individuals specifically named in the recent MSNBC FOIA request for all emails sent and received during a defined period. I had sent an email last Thursday to the "[ICOD.Support@nrc.gov](mailto:ICOD.Support@nrc.gov)" as per your direction below to obtain assistance in collecting, organizing, and printing out emails (including attachments) captured by the FOIA, but have yet to receive a response from anyone from OIS (see attached). Is there a different mailbox that is now being used or a different procedure for obtaining OIS support for this activity? Any help from OIS on this matter is definitely appreciated –

Thanks!

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

HHH/203

(301) 251-7586 (work)

(b)(6)

cell)

**From:** Boyce, Thomas (OIS)

**Sent:** Friday, April 01, 2011 1:52 PM

**To:** Boyce, Thomas (OIS); Hamilton, Brandi; Clarke, Deanna; Bettis, Ashley; Whetstine, Jack; Marks, Sharon; Hopkins, Rhonda; Clayton, Kathleen; Jaegers, Cathy; Fleming, Barbara; Davis, Catherine; Tressler, Patricia; Poland, Catherine; Rodgers, Mary; Correa, Yessie; Coates, Anissa; Craver, Patti; Gorham, Tajuan; Walker(NRR), Sandra; Wimbush, Andrea; Raynor, Catherine; Belmore, Nancy; Warner, MaryAnn; Hudson, Sharon; Ellis, Marv; Rossi, Roberta; Crutchley, Mary Glenn; Hernandez, Pete; Nibert, Patty; Remsburg, Kristy; Vincent, Leslie; Alexander, Christine; Wilding, Sally; Picon-Colon, Reinaldo; Shay, Jason; Crouch, Nicole; Boyd, Lena

**Cc:** Janney, Margie; Nichols, Russell; Sealing, Donna; Paradiso, Karen; Landau, Mindy; Clayton, Kathleen; McDermott, Brian; Morris, Scott; Holahan, Patricia; Erlanger, Craig; Thaggard, Mark; Correia, Richard; Layton, Michael; Wimbush, Andrea; Glitter, Joseph; Nelson, Robert; Howe, Allen; Ruland, William; Bahadur, Sher; Craver, Patti; Mamish, Nader; Mitchell, Linda; Hayden, Elizabeth; Shannon, Valerie; Vietti-Cook, Annette; Champ, Billie; Case, Michael; Richards, Stuart; Gibson, Kathy; Scott, Michael; Coe, Doug; Coyne, Kevin; Parks, Jazel; Powell, Amy; Droggitis, Spiros; Belmore, Nancy; Hirsch, Patricia; Remsburg, Kristy; Pulliam, Timothy; Rodgers, Mary; Whetstine, Jack; Corbett, James; Shields, James; Rich, Thomas; Holonich, Joseph; Schaeffer, James; Evans, Michele; Rheaume, Cynthia; Boger, Bruce; Grobe, Jack; Givvines, Mary; Uhle, Jennifer; Valentin, Andrea; Dorman, Dan; Matthews, David; Akstulewicz, Frank; Madden, Patrick; Correa, Yessie; Baker, Pamela; Manning, Louis; Coleman, Judy; Travick, Vanette; Holt, BJ; Choe, Jeannie; Hays, Myra; Munroe, Stacey; Holahan, Gary; Dean, Bill; Kardaras, Tom; Ordaz, Vonna; Ferrell, Kimberly; McKelvin, Sheila; Mike, Linda; Hart, Ken; Laufer, Richard; Baval, Rochelle; Shea, Pamela; Bates, Andrew; Wright, Darlene; Lewis, Antoinette; Raphael, Mary Jean; Muessle, Mary; Andersen, James; Wagner, Katie; Flanagan, Michelle; Marshall, Jane; Haney, Catherine; Kinneman, John; Kokajko, Lawrence; Doolittle, Elizabeth; Ford, William; Smith, James; Smith, Shawn; White, Bernard; Bailey, Marissa; Davis, Jack; Mohseni, Aby; Tschiltz, Michael; Weaver, Doug; Eitreim, Anthony; Hiltz, Thomas; Smith, Brian; Habighorst, Peter; Johnson, Robert; Campbell, Larry; Silva, Patricia; Rivera-Lugo, Richard; Larche, Linda; Walker, Tracy; Smith, Sharon; Trent, Glenn; Wert, Leonard; Howell, Art; Casto, Chuck; Ash, Darren; Schaeffer, James

**Subject:** Additoinal Information Multiple FOIA Requests

Subject: Multiple FOIA Requests

On March 28 I asked you to give me until the end of the week to develop some additional guidance and, hopefully, some automated tools to aid in how we handle the multiple FOIA requests we are receiving. Since that time, we have received even more FOIA requests. I have met with OIS staff to discuss guidance and possible solutions. OIS staff continues to meet with many of you who are involved in processing these requests to support your efforts. Here is where we are today:

We have received duplicate or very similar requests and we're confident that we will receive more requests for identical, similar or additional information. The OIS FOIA staff is aware of this situation and has not been tasking the agency when the requests are duplicates. They are sending these requests to the appropriate offices "for your information" so that you are aware of them, but the OIS FOIA staff will answer them from the information you provide on the earlier request(s) of that nature.

To assist with FOIA requests that require e-mail collection, OIS will provide technical support to search for e-mail messages based on specific criteria. This includes searching e-mail boxes, copying the messages into one e-mail folder and consolidating the entire e-mail folder into one document

using Adobe that can be forwarded to the NRC Copy Center for printing. If you need assistance with e-mail search, please send an e-mail request to [ICOD.Support@nrc.gov](mailto:ICOD.Support@nrc.gov). (NOTE: This mailbox will be available beginning on Tuesday, April 5<sup>th</sup>, 2011).

As always, the Customer Support Center can assist you with general e-mail support (e.g. creating folders, search, etc.), please contact the Customer Support Center, 301-415-1234, Option 2.

We have encountered difficulty printing attachments to e-mails. We are testing that and will provide the group with an update next week on our test results for printing the embedded file attachments using a third-party utility. Meanwhile, for those of you who have decided to print your own e-mails, the instructions for converting an individual e-mail message to a new PDF, and the instructions for converting an e-mail folder to a new PDF are attached.

Additionally, based on input from the Office FOIA Coordinators, OIS is currently reviewing additional technical solutions related to automating large FOIA requests. We will provide periodic updates regarding the status of these efforts.

The Office of Administration, Division of Administrative Services, Publications Branch, Reproduction Section, is able to assist you with printing some of the large volumes of e-mails. A request may be submitted on NRC Form 20. To facilitate this, provide the files to them on PDF format on a CD, DVD, or a NRC encrypted thumb drive. The Reproduction Section can accept job requests via the [reproduction.resource@nrc.gov](mailto:reproduction.resource@nrc.gov) e-mail box. For rush requests, please call ahead to (301) 415-2070.

It is understood that those of you whose resources have been strained by responding to the events in Japan are also dealing with the surge in FOIA requests about these events. I realize that the normal response times required by the FOIA will not be met because of these exigent circumstances. I will discuss with the Deputy Executive Director for Corporate Management about the service level metrics and how we can adjust them to accommodate this unusually large number of requests. We will update you on the metric discussion in the near future.

There has been some misunderstanding about the meaning of an expedited FOIA request. An expedited request means that the request goes to the front of the already existing FOIA queue. The intent is to give this request priority for processing more quickly than would otherwise occur if it were placed at the end of the first-in, first-out queue. It does not mean that we must divert critical resources from other mission related work. However, I ask that you continue to work on these FOIA requests as your current resources allow. These requests cannot simply be set aside indefinitely without progress in addressing the request(s). The expectation is that progress will be made on these on a weekly, if not daily basis. Additionally, the OIS FOIA staff is thoroughly analyzing each request for expedited processing or fee waiver and applying the legal criteria. Expedited processing and fee waivers will only be granted when the criteria are met, and I am sure there will continue to be requests that meet these criteria. The OIS FOIA staff will tell you if a request has been granted expedited processing or a fee waiver, or whether a fee estimate is necessary.

Thomas Boyce  
Deputy Chief Information Officer

Director, Office of Information Services  
Nuclear Regulatory Commission  
301-415-8700



Attachment RE Foia Help Request.msg (2560 Bytes) cannot be converted to PDF format.

**From:** Kardaras, Tom  
**To:** Coe, Doug; Valentin, Andrea; Coyne, Kevin  
**Cc:** Correia, Richard; Ibarra, Jose; Stutzke, Martin  
**Subject:** RE: Additional Information Multiple FOIA Requests  
**Date:** Tuesday, April 12, 2011 12:55:59 PM

---

Marty was added to the list.

Regards,  
Tom Kardaras, Deputy Director (Acting)  
Program Management, Policy Development and Analysis Staff  
Office of Nuclear Regulatory Research  
(o) 301-251-7667

**From:** Coe, Doug  
**Sent:** Tuesday, April 12, 2011 10:49 AM  
**To:** Valentin, Andrea; Coyne, Kevin; Kardaras, Tom  
**Cc:** Correia, Richard; Ibarra, Jose; Stutzke, Martin  
**Subject:** FW: Additoinal Information Multiple FOIA Requests

Andrea – FYI, see below the latest interaction with OIS

Kevin – FYI, Andrea and Tom are also pursuing this at an office-wide level

Tom – I would like to ensure that Kevin Coyne, Doug Coe, and Marty Stutzke are on the RES list that has been forwarded to OIS requesting assistance (Ben Beasley and John Kauffman are not requesting OIS assistance) for the two MSNBC FOIA requests (2011-0140 and 2011-0141).

Thanks all,  
Doug

**From:** Boyce, Thomas (OIS)  
**Sent:** Tuesday, April 12, 2011 10:39 AM  
**To:** Coyne, Kevin  
**Cc:** Correia, Richard; Coe, Doug; Ibarra, Jose; Parks, Jazel  
**Subject:** RE: Additoinal Information Multiple FOIA Requests

Yes, but rather than update you with just an e-mail address, I will have someone contact you. I am on a conference call right now where we are trying to enhance our support for these requests.

Tom Boyce  
Director, OIS

**From:** Coyne, Kevin  
**Sent:** Monday, April 11, 2011 6:22 PM  
**To:** Boyce, Thomas (OIS)  
**Cc:** Correia, Richard; Coe, Doug; Ibarra, Jose; Parks, Jazel  
**Subject:** RE: Additoinal Information Multiple FOIA Requests

HHH/204

Mr. Boyce –

I am one of the individuals specifically named in the recent MSNBC FOIA request for all emails sent and received during a defined period. I had sent an email last Thursday to the "[ICOD.Support@nrc.gov](mailto:ICOD.Support@nrc.gov)" as per your direction below to obtain assistance in collecting, organizing, and printing out emails (including attachments) captured by the FOIA, but have yet to receive a response from anyone from OIS (see attached). Is there a different mailbox that is now being used or a different procedure for obtaining OIS support for this activity? Any help from OIS on this matter is definitely appreciated –

Thanks!

Kevin

*Kevin Coyne, P.E., Ph.D.*

*Chief, Probabilistic Risk Assessment Branch*

*Division of Risk Analysis, Office of Nuclear Regulatory Research*

*U.S. Nuclear Regulatory Commission*

*Washington, DC 20555-0001*

*(301) 251-7586 (work)*

(b)(6)

cell)

**From:** Boyce, Thomas (OIS)

**Sent:** Friday, April 01, 2011 1:52 PM

**To:** Boyce, Thomas (OIS); Hamilton, Brandi; Clarke, Deanna; Bettis, Ashley; Whetstine, Jack; Marks, Sharon; Hopkins, Rhonda; Clayton, Kathleen; Jaegers, Cathy; Fleming, Barbara; Davis, Catherine; Tressler, Patricia; Poland, Catherine; Rodgers, Mary; Correa, Yessie; Coates, Anissa; Craver, Patti; Gorham, Tajuan; Walker(NRR), Sandra; Wimbush, Andrea; Raynor, Catherine; Belmore, Nancy; Warner, MaryAnn; Hudson, Sharon; Ellis, Marv; Rossi, Roberta; Crutchley, Mary Glenn; Hernandez, Pete; Nibert, Patty; Remsburg, Kristy; Vincent, Leslie; Alexander, Christine; Wilding, Sally; Picon-Colon, Reinaldo; Shay, Jason; Crouch, Nicole; Boyd, Lena

**Cc:** Janney, Margie; Nichols, Russell; Sealing, Donna; Paradiso, Karen; Landau, Mindy; Clayton, Kathleen; McDermott, Brian; Morris, Scott; Holahan, Patricia; Erlanger, Craig; Thaggard, Mark; Correia, Richard; Layton, Michael; Wimbush, Andrea; Giltter, Joseph; Nelson, Robert; Howe, Allen; Ruland, William; Bahadur, Sher; Craver, Patti; Mamish, Nader; Mitchell, Linda; Hayden, Elizabeth; Shannon, Valerie; Vietti-Cook, Annette; Champ, Billie; Case, Michael; Richards, Stuart; Gibson, Kathy; Scott, Michael; Coe, Doug; Coyne, Kevin; Parks, Jazel; Powell, Amy; Droggitis, Spiros; Belmore, Nancy; Hirsch, Patricia; Remsburg, Kristy; Pulliam, Timothy; Rodgers, Mary; Whetstine, Jack; Corbett, James; Shields, James; Rich, Thomas; Holonich, Joseph; Schaeffer, James; Evans, Michele; Rheaume, Cynthia; Boger, Bruce; Grobe, Jack; Givvines, Mary; Uhle, Jennifer; Valentin, Andrea; Dorman, Dan; Matthews, David; Akstulewicz, Frank; Madden, Patrick; Correa, Yessie; Baker, Pamela; Manning, Louis; Coleman, Judy; Travick, Vanette; Holt, BJ; Choe, Jeannie; Hays, Myra; Munroe, Stacey; Holahan, Gary; Dean, Bill; Kardaras, Tom; Ordaz, Vonna; Ferrell, Kimberly; McKelvin, Sheila; Mike, Linda; Hart, Ken; Laufer, Richard; Baval, Rochelle; Shea, Pamela; Bates, Andrew; Wright, Darlene; Lewis, Antoinette; Raphael, Mary Jean; Muessle, Mary; Andersen, James; Wagner, Katie; Flanagan, Michelle; Marshall, Jane; Haney, Catherine; Kinneman, John; Kokajko, Lawrence; Doolittle, Elizabeth; Ford, William; Smith, James; Smith, Shawn; White, Bernard; Bailey, Marissa; Davis, Jack; Mohseni, Aby; Tschiltz, Michael; Weaver, Doug; Eitrem, Anthony; Hiltz, Thomas; Smith, Brian; Habighorst, Peter; Johnson, Robert; Campbell, Larry; Silva, Patricia; Rivera-Lugo, Richard; Larche, Linda; Walker, Tracy; Smith, Sharon; Trent, Glenn; Wert, Leonard; Howell, Art; Casto, Chuck; Ash, Darren; Schaeffer, James

**Subject:** Additoinal Information Multiple FOIA Requests

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Thomas Boyce  
Deputy Chief Information Officer  
Director, Office of Information Services  
Nuclear Regulatory Commission  
301-415-8700

**Lee, Richard**

---

**From:** Douglas E Burns [Douglas.Burns@inl.gov]  
**Sent:** Tuesday, April 12, 2011 4:15 PM  
**To:** DL-NITsolutions  
**Cc:** 'Busby, Jeremy T.'; Schneider, Steve; Caponiti, Alice  
**Subject:** Slides for Today's Science Experts Call  
**Attachments:** 0412 S-1 Briefing rev1.pdf

Attached are the slides for today's 5pm EDT Science Experts call. The number is:

202-586-2535

Please let me know if you have any problems receiving the attachment.

Doug

Douglas E. Burns  
INL Fuel Cycle Science & Technology  
208-526-2051 (office)

(b)(6)

(cell) 35

HHH/205

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**From:** (b)(6)  
**Sent:** Tuesday, April 12, 2011 3:38 PM  
**To:** Virgilio, Martin; Leeds, Eric; jim.wigging@nrc.gov  
**Cc:** nucfed@aol.com  
**Subject:** FWD FYI: NEI Talking Points Comparing Chernobyl and Fukushima

Sam Collins  
Samuel J. Collins Consulting, LLC  
Nuclear Safety + Governance + Outreach Services  
Cell: (b)(6)  
Home: (b)(6)  
(b)(6)

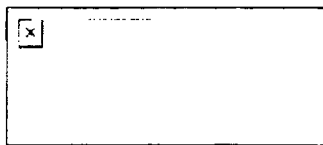
---Original Message-----

**From:** Neely, Christine T. [mailto:Christine.Neely@pseg.com]  
**Sent:** Tuesday, April 12, 2011 3:25 PM  
**To:** Booth, Brian C.; Bouknight Jr., J. A. (Lon); Braun, Robert; Carr, Eric; Davison, Paul J.; Delmar Sr, Joseph; Dorsa, Caroline; Eilola Jr, Edwin; Fricker, Carl J.; Garecht, John F.; Garry Randolph (glandolph@mchsi.com); Hoskins, Anne E.; Izzo, Ralph; Joyce, Thomas P.; Keenan, Jeffrie J.; Lally, Kathleen A.; LaRossa, Ralph A.; Levis, William; Lewis, David P. (Nuc Dev); Leyden, Shawn P.; Linde, Tamara L.; Lopriore, Richard P.; Ludecke, Kristen M.; McCloskey, Donald M.; McKoy, Vaughn L.; Mehrberg, Randall E.; Perry, John F. (HC VP); Rosengren, Paul L.; Rostiac, Sheila; 'Sam Collins'; Sindoni, Joseph M.; Smith, Brian; Sosson, Gregory J.; Thigpen, Rick T.; Wagner, Lawrence M.; 'wtoconnor@buckeye-express.com'  
**Subject:** NEI Talking Points Comparing Chernobyl and Fukushima

NEI has issued talking points about the raised crisis level scale for the Fukushima Daiichi nuclear plant event. I thought they would be of interest. Christine

---

**From:** NEI Response Center [mailto:NEIresponsecenter@nei.org]  
**Sent:** Tuesday, April 12, 2011 3:11 PM  
**To:** Neely, Christine T.  
**Subject:** NEI Talking Points Comparing Chernobyl and Fukushima



April 12, 2011

## **Talking Points**

### **Comparing Chernobyl and Fukushima**

As the situation at the Fukushima Daiichi nuclear power plant continues, some are comparing events there to the 1986 accident at the Chernobyl reactor in the Soviet-era Ukraine. The Japanese government raised the crisis level from 5 to 7 on the International Nuclear and Radiological Event Scale, the same rating as the Chernobyl accident. Yet the accidents at the Chernobyl and Fukushima

HHH/206

reactors are starkly different. Notably, the reactor designs are completely different; and to date, the public health consequences at Fukushima are much less severe.

### **Accident Conditions**

- The Fukushima event has been rated 7 on the International Nuclear and Radiological Event Scale, the same level as the 1986 Chernobyl accident. Even so, Japanese authorities estimate that radiation released at Fukushima is only 10 percent of the amount released from the Ukrainian plant. A level 7 event, the highest on the rating scale, is considered a “major accident.” It applies to an event with “a major release of radioactive material with widespread health and environmental effects requiring implementation of planned and extended countermeasures,” according to the International Atomic Energy Agency, which sponsors the ratings. The Japanese government set the rating, which it considers “provisional” and subject to change.
- Chernobyl was an old Soviet-design reactor, with less stable characteristics and no robust containment structures like most power reactors worldwide. Unconventional reactor operations at Chernobyl resulted in a runaway power surge followed by steam and hydrogen explosions and a sustained fire in the reactor. Absent a containment structure, the explosions propelled radioactive material from the reactor core high into the atmosphere and across eastern and western Europe for at least 10 days.
- The magnitude 9.0 earthquake and tsunami that struck the Fukushima Daiichi reactors were much stronger than the reactors were built to withstand. The resulting loss of on- and off-site electricity temporarily halted cooling of the fuel in the reactor cores and in the used fuel pools. There have been explosions at three of the reactors as a result of hydrogen buildup, but the reactor fuel remains inside the primary containment structures. Although some damage to the uranium fuel is expected, there have not been releases of radiation into the atmosphere at the levels seen during the Chernobyl accident.

### **Emergency Response**

- The uncontrolled release of Chernobyl reactor’s fission products was exacerbated by the failure of Soviet authorities to take immediate action to protect surrounding populations. The most discernible health effect from Chernobyl—thyroid cancer in children—could have been mitigated by the early and widespread use of radiation protection procedures such as distribution of potassium iodide and control of the food supply in affected areas.
- By contrast, the Japanese authorities took early steps to evacuate people from a 12.5-mile zone around the Fukushima plant. Authorities also distributed potassium iodide to residents near the plant and restricted the transport and sale of milk (the main source of radioactive iodine intake), leafy vegetables and other food from the region. The Japanese government is monitoring and reporting radiation levels to citizens on an ongoing basis and is providing information and health protection instructions to the public.
- Besides child thyroid cancer, no other health effects have been detected in the populations around Chernobyl, according to a 2008 report of the United Nations Scientific Committee on the Effects of Atomic Radiation.
- Based on all information to date, no health effects are expected among the Japanese people as a result of the events at Fukushima.



## Long-Term Health Effects

- The unique nature of the Chernobyl accident resulted in widespread airborne dispersion of radioactive cesium as fallout, which has a half-life of 30 years. The incident left the area in a 30 kilometer radius around the facility as a long-term restricted zone.
- Although measurements of radioactivity in the air and water near the Fukushima plant have been evident at varying levels, wide dispersion of radioactive materials has not occurred at the facility. While there may be localized spots that will require monitoring and remediation, it is unlikely that any significant areas of land in Japan will have long-term restrictions.

Nuclear Energy Institute  
1776 I Street NW, Suite 400  
Washington, DC 20006  
[www.nei.org](http://www.nei.org)

P: 202.739.8000

F: 202.785.4019

Emergency Off-Hours: (b)(6)

E: [NEIResponseCenter@nei.org](mailto:NEIResponseCenter@nei.org)

Twitter: <http://twitter.com/neiupdates>

Click [here](#) to unsubscribe



Lee, Richard

---

**From:** Joy L Rempe [Joy.Rempe@inl.gov]  
**Sent:** Thursday, April 14, 2011 12:48 AM  
**To:** Bari, Robert A; Bill.McCaughey@nuclear.energy.gov; binderjl@ornl.gov; busbyjt@ornl.gov; cgrandy@anl.gov; Christine E White; dddixon@lanl.gov; Douglas E Burns; Elizabeth A Connell; farmer@anl.gov; flanagangf@ornl.gov; gehinjc@ornl.gov; Harold Finley McFarlane; horak@bnl.gov; james.buelt@pnl.gov; JohnE.Kelly@nuclear.energy.gov; kbsoren@sandia.gov; ks@bnl.gov; Kurt L Davis; patrick.schwab@nuclear.energy.gov; Richard.Reister@nuclear.energy.gov; RobertP.Martin@inl.gov; Robert.Youngblood@inl.gov; Rogaunt@sandia.gov; spburns@sandia.gov; tom.miller@nuclear.energy.gov; trevor.cook@nuclear.energy.gov; wagnerjc@ornl.gov  
**Cc:** Lee, Richard; donald.marksberry@nrc.gov; Flack, John; Hackett, Edwin  
**Subject:** Updated Plots and Timeline  
**Attachments:** ATT00002.jpg; Fukushima Charts 13 April 2011.pdf; Fukushima Data Master 13 April 2011 Timeline Only.xlsx

Hi,

Here's the plots for the day. In addition, I'm sending along a spreadsheet that lists various events, actions, etc. reported in various references (NISA, FEPC, TEPCO, articles and press announcements). We are trying to look for consistency in these reports to eventually gain some insights as to what occurred and when. Note that I anticipate that there will be some errors (we find them in the references, so it's impossible to not have some). We'd appreciate your assistance in identifying such errors. Today, I also received a similar chronology of events for Units 1-3 from Don Marksberry and Richard Lee (of the NRC). I'm not sure if I should attach it, but I'm copying Donald and Richard (and they can send it along tomorrow if they wish). However, Don and I will be comparing what we've collected so that we can have a consistent set of events for both organizations. In addition, I'd like to start looking at references that give additional details related to operator actions, stuck valves, etc. that aren't typically reported in the references that we've been reviewing. If it's possible to send the 'official' ones along, we'd appreciate them.

Please let us know your thoughts and suggestions. We received some requests today (for additional lines on some of the plots) that we'll try and incorporate in the next few days (in addition to updating the timeline). Also, it looks like the 90C sample temperature information is correct. We'll add it as a new source to our existing plot on SFP temperature (the one based on recirc pump temperatures).

Thanks,  
Joy



Joy Rempe • Idaho National Laboratory  
Phone: (208) 526-2897 • Cell: (b)(6)  
Email: Joy.Rempe@inl.gov

Fax: (208) 526-2930 •

HHH/207

Lee, Richard

---

**From:** Larzelere, Alex [alex.larzelere@nuclear.energy.gov]  
**Sent:** Thursday, April 14, 2011 3:48 PM  
**To:** DL-NITSolutions  
**Cc:** Schneider, Steve; Busby, Jeremy T; Caponiti, Alice  
**Subject:** Today's Slides for the Science Experts Call  
**Attachments:** image001.jpg; 0414 S-1 Briefing rev1.pdf

Everyone,

Attached (in PDF format) are the slides that will be used for today's Science Experts call. The call will occur at 5pm EDT and the number is:

(b)(6)

Regards,

Alex

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**Alex R. Larzelere**

*Director, Advanced Modeling and Simulation Office*

*Office of Nuclear Energy (NE-71)*

*U.S. Department of Energy*

*202-586-1906*

*[Alex.Larzelere@nuclear.energy.gov](mailto:Alex.Larzelere@nuclear.energy.gov)*



ADVANCED MODELING & SIMULATION OFFICE

HHH/208

**From:** Coe, Doug  
**To:** Kardaras, Tom; Correia, Richard; Coyne, Kevin; Stutzke, Martin; Valentin, Andrea; Ibarra, Jose; Uhle, Jennifer; Randall, Bob  
**Subject:** RE: INQUIRY: FOIA Support  
**Date:** Friday, April 15, 2011 5:04:30 PM

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All,  
Quite amazingly, Heather just dropped off a large box of paper copies of my emails! Hopefully Kevin and Marty will get similar boxes.

Bob,  
Thanks for the help!  
Doug

**From:** Coe, Doug  
**Sent:** Friday, April 15, 2011 4:53 PM  
**To:** Kardaras, Tom  
**Cc:** Correia, Richard; Coyne, Kevin; Stutzke, Martin; Valentin, Andrea; Ibarra, Jose; Uhle, Jennifer; Randall, Bob  
**Subject:** RE: INQUIRY: FOIA Support

Thanks Tom.

In DRA, we have requested OIS support via PMDA (i.e. FOIA Coordinator) for Kevin Coyne (FOIA2011-0140) for all email and attachments from Mar 11-18. This FOIA also applies to Jennifer Uhle.

We have similarly requested OIS support for myself and Marty Stutzke (FOIA2011-0141) for all email and attachments from Mar 11-25.

Our understanding has been that we would be getting the OIS support described by Bob Randall/OIS below and have been expecting to receive pdf files (or paper copies) of our associated emails, so we can review them for releaseability. We continue to await these documents.

We believe that our above requests constitute adequate and appropriate 'progress' in meeting FOIA requirements, understanding that we have already exceeded the original due dates. If we need to be doing anything further, please advise us as soon as possible.

Thanks for your help.

Doug

Doug Coe  
Deputy Director  
Division of Risk Analysis (DRA)  
Office of Nuclear Regulatory Research (RES)

HHH/209

U.S. Nuclear Regulatory Commission  
Rockville, MD  
301-251-7914  
doug.coe@nrc.gov

**From:** Kardaras, Tom  
**Sent:** Friday, April 15, 2011 3:50 PM  
**To:** Coe, Doug  
**Subject:** FW: INQUIRY: FOIA Support

See below ... per our discussion.

Regards,  
Tom Kardaras, Deputy Director (Acting)  
Program Management, Policy Development and Analysis Staff  
Office of Nuclear Regulatory Research  
(o) 301-251-7667

**From:** Randall, Bob  
**Sent:** Friday, April 15, 2011 8:51 AM  
**To:** Kardaras, Tom  
**Cc:** Williams, Michael  
**Subject:** RE: INQUIRY: FOIA Support

Tom –

As of right now we (my division of OIS/ICOD) have been working with the Program Office FOIA coordinators to help them on the FOIA requests that ask for bulk email between general dates like "all email between March 11<sup>th</sup> and April 11<sup>th</sup> 2011". For those requests we pull the email from the email servers, create a PDF portfolio of the messages with Adobe Acrobat, and then use a \$200 utility called AutoPortfolio on my workstation to convert the PDF Portfolio into a single PDF file that can be printed with all attachments. It is a very slow process and it generates a lot of paper as you can imagine. As far as I know there was no plan to give the tool to staff members, we were just working with FOIA coordinators who asked for help in their offices to print email.

I do know we are looking at enterprise tools to try and resolve this problem for everyone, but that wont be a quick fix. If you would like to discuss this, please feel free to give me a call at any time.

Bob Randall  
IT Specialist  
Network Integration Team  
OIS/ICOD/DDB  
U.S. Nuclear Regulatory Commission  
Bob.Randall@nrc.gov  
Desk 301.415.6242  
Cell (b)(6)

**From:** Kardaras, Tom  
**Sent:** Thursday, April 14, 2011 4:41 PM  
**To:** Randall, Bob  
**Subject:** INQUIRY: FOIA Support

Bob,

What is the current status of the e-Mail solution that OIS was planning to give to staff so they could print their FOIA e-Mails? This was described as a module that would allow people to print e-Mail attachments. If you have any other status as to what OIS is preparing to do to help FOIA response that would be most appreciated.

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Tom Kardaras, Deputy Director (Acting)  
Program Management, Policy Development and Analysis Staff  
Office of Nuclear Regulatory Research  
(o) 301-251-7667

**From:** Randall, Bob  
**To:** Coe, Doug; Kardaras, Tom  
**Cc:** Correia, Richard; Coyne, Kevin; Stutzke, Martin; Valentin, Andrea; Ibarra, Jose; Uhle, Jennifer; Williams, Michael  
**Subject:** RE: INQUIRY: FOIA Support  
**Date:** Friday, April 15, 2011 5:03:28 PM

---

Just to clarify for everyone, Jazel parks requested these mailboxes to be exported on 4/12 and they exported, converted to PDF, and sent to Reproduction on 4/13 (Wednesday). All of the printouts should be available to you now. I know the Reproduction Center sent a email to Jazel that the printing was complete, but that is the last I have heard on those specific mailboxes. Here are the mailboxes that were part of that specific request:

Martin Stutzke  
Brian Sheron  
Jennifer Uhle  
Paul Rebstock  
Doug Coe  
Joseph Zabel  
Kevin Coyne

Thanks –

Bob Randall  
IT Specialist  
Network Integration Team  
OIS/ICOD/DDB  
U.S. Nuclear Regulatory Commission  
Bob.Randall@nrc.gov  
Desk 301.415.6242  
Cell (b)(6)

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**Sent:** Friday, April 15, 2011 4:53 PM  
**To:** Kardaras, Tom  
**Cc:** Correia, Richard; Coyne, Kevin; Stutzke, Martin; Valentin, Andrea; Ibarra, Jose; Uhle, Jennifer; Randall, Bob  
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HHH/210

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Doug

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Rockville, MD  
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**From:** Kardaras, Tom  
**Sent:** Friday, April 15, 2011 3:50 PM  
**To:** Coe, Doug  
**Subject:** FW: INQUIRY: FOIA Support

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Tom Kardaras, Deputy Director (Acting)  
Program Management, Policy Development and Analysis Staff  
Office of Nuclear Regulatory Research  
(o) 301-251-7667

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**Sent:** Friday, April 15, 2011 8:51 AM  
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**Cc:** Williams, Michael  
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convert the PDF Portfolio into a single PDF file that can be printed with all attachments. It is a very slow process and it generates a lot of paper as you can imagine. As far as I know there was no plan to give the tool to staff members, we were just working with FOIA coordinators who asked for help in their offices to print email.

I do know we are looking at enterprise tools to try and resolve this problem for everyone, but that won't be a quick fix. If you would like to discuss this, please feel free to give me a call at any time.

Bob Randall  
IT Specialist  
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Regards,  
Tom Kardaras, Deputy Director (Acting)  
Program Management, Policy Development and Analysis Staff  
Office of Nuclear Regulatory Research  
(o) 301-251-7667

Lee, Richard

---

**From:** Lee, Richard  
**Sent:** Monday, April 18, 2011 9:21 AM  
**To:** 'Larzelere, Alex'  
**Cc:** Sheron, Brian  
**Subject:** RE: Fukushima Science Experts Meeting - Change of Days  
**Attachments:** image001.jpg

Hi, Alex>

Thanks for the info. I will participate.

Richard

---

**From:** Larzelere, Alex [<mailto:alex.larzelere@nuclear.energy.gov>]  
**Sent:** Monday, April 18, 2011 7:58 AM  
**To:** DL-NITSolutions  
**Cc:** Busby, Jeremy T; Caponiti, Alice; Burns, Douglas  
**Subject:** Fukushima Science Experts Meeting - Change of Days

Everybody,

A change of plans – instead of the Science Experts meeting on Thursday, April 21<sup>st</sup>, the teleconference will be held on:

Wednesday, April 20<sup>th</sup>

This will allow Secretary Chu to be able to attend the meeting. The time (5pm EDT) and number (b)(6) will remain the same. (b)(6)

Please let me know if you have any questions and we are looking forward to your participation.

Regards,

Alex

---

**Alex R. Larzelere**  
Director, Advanced Modeling and Simulation Office  
Office of Nuclear Energy (NE-71)  
U.S. Department of Energy  
202-586-1906  
[Alex.Larzelere@nuclear.energy.gov](mailto:Alex.Larzelere@nuclear.energy.gov)

 **AMSO**  
ADVANCED MODELING & SIMULATION OFFICE

HHH/211

**Lee, Richard**

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**From:** Sheron, Brian [Brian.Sheron@nrc.gov]  
**Sent:** Monday, April 18, 2011 9:47 AM  
**To:** Larzelere, Alex; DL-NITSolutions  
**Cc:** Busby, Jeremy T; Caponiti, Alice; Burns, Douglas  
**Subject:** RE: Fukushima Science Experts Meeting - Change of Days  
**Attachments:** image001.jpg

Sorry I won't be able to make it. NRC Senior management is offsite for the annual Agency Action Review Meeting Wednesday. Richard will cover for NRC.

---

**From:** Larzelere, Alex [mailto:alex.larzelere@nuclear.energy.gov]  
**Sent:** Monday, April 18, 2011 7:58 AM  
**To:** DL-NITSolutions  
**Cc:** Busby, Jeremy T; Caponiti, Alice; Burns, Douglas  
**Subject:** Fukushima Science Experts Meeting - Change of Days

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Regards,

Alex

---

**Alex R. Larzelere**  
Director, Advanced Modeling and Simulation Office  
Office of Nuclear Energy (NE-71)  
U.S. Department of Energy  
202-586-1906  
[Alex.Larzelere@nuclear.energy.gov](mailto:Alex.Larzelere@nuclear.energy.gov)



HHH/212

**Lee, Richard**

---

**From:** Harold.McFarlane@inl.gov  
**Sent:** Wednesday, April 20, 2011 5:13 PM  
**To:** Richard L Garwin; Alex Larzelere  
**Cc:** Caponiti, Alice; Jeremy Busby; Peko, Damian; DL-NITsolutions; Douglas.Burns@inl.gov; Shields, Martha  
**Subject:** Re: Muon tomography. Garwin disputes the slides 7,9, 10.  
**Attachments:** ATT00001..jpg

Dick,

I should have said that it will probably take a year to get decontamination in the reactor building to a point where the detectors can be placed. I know that the team could move quickly.

Harold

---

**From:** Richard L Garwin [rlg2@us.ibm.com]  
**Sent:** 04/20/2011 05:18 PM AST  
**To:** "Larzelere, Alex" <alex.larzelere@nuclear.energy.gov>  
**Cc:** "Caponiti, Alice" <Alice.Caponiti@nuclear.energy.gov>; "Busby, Jeremy T" <busbyjt@ornl.gov>; "Peko, Damian" <Damian.Peko@nuclear.energy.gov>; DL-NITsolutions <DL-NITsolutions@nnsa.doe.gov>; Douglas Burns; "Shields, Martha" <Martha.Shields@nuclear.energy.gov>  
**Subject:** Muon tomography. Garwin disputes the slides 7,9, 10.

This is a field with which I am intimately familiar.

When I see (Slide 7),

**Owing to numerous practical considerations, this project would be at least a year away if it were to be undertaken.**

I see the ascendancy of ignorance over knowledge. KEK and Austin can work together to deploy within 3 months, at the outside, in my judgment.

Dick Garwin

**From:** "Larzelere, Alex" <alex.larzelere@nuclear.energy.gov>  
**To:** DL-NITsolutions <DL-NITsolutions@nnsa.doe.gov>  
**Cc:** "Busby, Jeremy T" <busbyjt@ornl.gov>; "Burns, Douglas" <Douglas.Burns@inl.gov>; "Caponiti, Alice" <Alice.Caponiti@nuclear.energy.gov>; "Peko, Damian" <Damian.Peko@nuclear.energy.gov>; "Shields, Martha" <Martha.Shields@nuclear.energy.gov>  
**Date:** 04/20/2011 04:29 PM  
**Subject:** Slides for Today's Science Expert Call

Everybody,

Attached is the material for today's call. It will occur at 5pm EDT and the number is:

HHH/213

(b)(6)

Regards,

Alex

---

**Alex R. Larzelere**

*Director, Advanced Modeling and Simulation Office*

*Office of Nuclear Energy (NE-71)*

*U.S. Department of Energy*

*202-586-1906*

*[Alex.Larzelere@nuclear.energy.gov](mailto:Alex.Larzelere@nuclear.energy.gov)*

[attachment "0420 S-1 Briefing rev1.pdf" deleted by Richard L Garwin/Watson/Contr/IBM] [attachment "TEPCO Roadmap to Restoration.pdf"]



deleted by Richard L Garwin/Watson/Contr/IBM] ADVANCED MODELING & SIMULATION OFFICE

Lee, Richard

---

**From:** Phillip J Finck [Phillip.Finck@inl.gov]  
**Sent:** Wednesday, April 20, 2011 4:40 PM  
**To:** Larzelere, Alex  
**Cc:** Caponiti, Alice; Busby, Jeremy T; Peko, Damian; DL-NITsolutions; Burns, Douglas; Shields, Martha  
**Subject:** Re: Slides for Today's Science Expert Call  
**Attachments:** ATT00001..jpg; 0420 S-1 Briefing rev1.pdf; TEPCO Roadmap to Restoration.pdf

Thank you Alex; unfortunately, I cannot make it today as I need to answer a related and urgent question I am having trouble with...

Phillip J. Finck, Associate Laboratory Director  
Nuclear Science & Technology  
Idaho National Laboratory

Telephone: 208-526-9447

Cell Phone: (b)(6)

Fax Number: 208-526-2930

"Larzelere, Alex" <[alex.larzelere@nuclear.energy.gov](mailto:alex.larzelere@nuclear.energy.gov)>

04/20/2011 02:29 PM

To DL-NITsolutions <[DL-NITsolutions@nnsa.doe.gov](mailto:DL-NITsolutions@nnsa.doe.gov)>

cc "Busby, Jeremy T" <[busbyjt@ornl.gov](mailto:busbyjt@ornl.gov)>, "Burns, Douglas" <[Douglas.Burns@inl.gov](mailto:Douglas.Burns@inl.gov)>.

"Caponiti, Alice" <[Alice.Caponiti@nuclear.energy.gov](mailto:Alice.Caponiti@nuclear.energy.gov)>, "Peko, Damian"

<[Damian.Peko@nuclear.energy.gov](mailto:Damian.Peko@nuclear.energy.gov)>, "Shields, Martha"

<[Martha.Shields@nuclear.energy.gov](mailto:Martha.Shields@nuclear.energy.gov)>

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Everybody,

Attached is the material for today's call. It will occur at 5pm EDT and the number is:

(b)(6)

Regards,

Alex

---

**Alex R. Larzelere**

Director, Advanced Modeling and Simulation Office

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U.S. Department of Energy

202-586-1906

[Alex.Larzelere@nuclear.energy.gov](mailto:Alex.Larzelere@nuclear.energy.gov)



ADVANCED MODELING & SIMULATION OFFICE

HHH/214

**Lee, Richard**

---

**From:** Larzelere, Alex [alex.larzelere@nuclear.energy.gov]  
**Sent:** Friday, April 22, 2011 2:20 PM  
**To:** McFarlane, Harold; Burns, Douglas; Busby, Jeremy T; Binder, Jeff; Rempe, Joy L (NE-ID); Gauntt, Randal; cgrandy@anl.gov; Farmer, Mitchell T.; Nam T Dinh; Robert W Youngblood; Lee, Richard; Buelt, James L; Connell, Elizabeth; Szilard, Ronaldo; McClure, Patrick R  
**Cc:** Peko, Damian; Caponiti, Alice; Kelly, John E (NE); Finck, Phillip; Shields, Martha; Dixon, David  
**Subject:** RE: Accident reconstruction outbrief and future activities

Harold, et al,

I think this is a great idea – one idea for organizing things will be to take a day by day approach. I would also suggest that we focus on finding areas of agreement and areas where we do not have a common understanding. These will provide the areas where we might need to do more digging. Finally, it will be good to understand where there are things we just do not know (e.g. what really happened in SPF#4) and what we need to figure that out.

If this is done right, I suspect this workshop and its subsequent report can provide a great foundation for future Fukushima R&D work. I also think doing this while things are fresh in people's minds will be critical.

Please let me know what I can do to help.

Regards,

Alex

---

**From:** McFarlane, Harold  
**Sent:** Friday, April 22, 2011 10:42 AM  
**To:** Burns, Douglas; Busby, Jeremy T; Binder, Jeff; Rempe, Joy L (NE-ID); Gauntt, Randal; cgrandy@anl.gov; Farmer, Mitchell T.; Nam T Dinh; Robert W Youngblood; Lee, Richard (NRC); Buelt, James L; Connell, Elizabeth; Szilard, Ronaldo; McClure, Patrick R  
**Cc:** Peko, Damian; Caponiti, Alice; Kelly, John E (NE); Finck, Phillip; Shields, Martha; Larzelere, Alex; Dixon, David  
**Subject:** Accident reconstruction outbrief and future activities

All,

Last night I was trying to think through our new direction and the categories of activities that we have been asked to address moving forward with the Fukushima-Daiichi response. In talking to John this morning, he had been thinking along a similar line, in his case particularly starting to integrate more closely with NRC as we execute the next phase of activity. (I have copied Richard Lee so he knows that we are thinking about the NRC relationship.)

John suggested that we organize a half-day out-brief during the week of May 16, with the week of May 23 as a backup. Mid-late week is preferable. The intent would be to describe our reconstruction of the accident, what we know, don't know but wish we knew, and what data or new measurements we would like to see either for the accident reconstruction or concerns going forward. The Secretary has expressed a strong desire for more measurements to give us more confidence in the models, so the latter would help address our responsibilities to the science experts.

Please give some thought to how we would organize such an out-brief. Jeremy, perhaps we should talk about this today with Doug to kick it off. I have my own idea about how to do it, but we need a small group to pull this together. We could perhaps identify nominees to pull together each of the key elements.

best,  
Harold

Harold F McFarlane  
Deputy Associate Laboratory Director  
Idaho National Laboratory

HHH/215

PO Box 1625, Idaho Falls, ID 83415-3855 USA

ID office: +1-208-526-3256 mobile: (b)(6)

fax: +1-208-526-2930 email: [harold.mcfarlane@nrc.gov](mailto:harold.mcfarlane@nrc.gov)

Technical Director, Generation-IV International Forum

US Dept. of Energy, Office of Nuclear Energy

DOE office: +1-202-586-9175

DOE email: [harold.mcfarlane@nuclear.energy.gov](mailto:harold.mcfarlane@nuclear.energy.gov)



**Lee, Richard**

---

**From:** Gauntt, Randall O [rogaunt@sandia.gov]  
**Sent:** Friday, April 22, 2011 9:35 PM  
**To:** Pickering, Susan Y; Lachance, Jeffrey Lynn; Orrell, Stanley A; Lee, Richard  
**Subject:** Fw: Accident reconstruction outbrief and future activities

FYI

---

**From:** Harold Finley McFarlane [mailto:Harold.McFarlane@inl.gov]  
**Sent:** Friday, April 22, 2011 08:41 AM  
**To:** Douglas E Burns <Douglas.Burns@inl.gov>; busbyjt@ornl.gov <busbyjt@ornl.gov>; Jeff Binder <binderjl@ornl.gov>; Joy L Rempe <Joy.Rempe@inl.gov>; Gauntt, Randall O; cgrandy@anl.gov <cgrandy@anl.gov>; Farmer, Mitchell T. <farmer@anl.gov>; Nam T Dinh <Nam.Dinh@inl.gov>; Robert W Youngblood <Robert.Youngblood@inl.gov>; Lee, Richard <Richard.Lee@nrc.gov>; Buelt, James L <james.buelt@pnl.gov>; Elizabeth A Connell <Elizabeth.Connell@inl.gov>; Ronaldo H Szilard <Ronaldo.Szilard@inl.gov>; McClure, Patrick R. (LANL)  
**Cc:** Peko, Damian <Damian.Peko@nuclear.energy.gov>; Caponiti, Alice <Alice.Caponiti@nuclear.energy.gov>; Kelly, John E (NE) <JohnE.Kelly@nuclear.energy.gov>; Phillip J Finck <Phillip.Finck@inl.gov>; Shields, Martha <Martha.Shields@nuclear.energy.gov>; alex.larzelere@nuclear.energy.gov <alex.larzelere@nuclear.energy.gov>; Dixon, David D. (LANL)  
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Technical Director, Generation-IV International Forum  
US Dept. of Energy; Office of Nuclear Energy  
DOE office: +1-202-586-9175  
DOE email: [harold.mcfarlane@nuclear.energy.gov](mailto:harold.mcfarlane@nuclear.energy.gov)

HHH/21:6

Lee, Richard

---

**From:** Joy.Rempe@inl.gov  
**Sent:** Friday, April 22, 2011 3:42 PM  
**To:** Lee, Richard  
**Cc:** Harold.McFarlane@inl.gov  
**Subject:** Fw: workshop space  
**Attachments:** graycol.gif

This time with a copy to Richard.

Joy L Rempe

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

**From:** Joy L Rempe  
**Sent:** 04/22/2011 01:39 PM MDT  
**To:** Harold McFarlane; Tammy Way  
**Cc:** Douglas Burns; "Jeremy T. Busby" <busbyjt@ornl.gov>; "John Kelly" <JohnE.Kelly@nuclear.energy.gov>; "Peko, Damian" <Damian.Peko@nuclear.energy.gov>; "Shields, Martha" <Martha.Shields@nuclear.energy.gov>; Mike Goff  
**Subject:** Re: workshop space

Harold

I can only participate if it is the afternoon of the 25th or the morning of the 26th. The earlier week is fine. John Kelly will be briefing ACRS on the afternoon of the 26th. NEI will also be there (and I won't be able to participate). I have copied Richard, but I think that most places at White Flint require too much security. I would suggest the Bethesda North Marriott that is across from White Flint.

Joy

Harold Finley McFarlane

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

**From:** Harold Finley McFarlane  
**Sent:** 04/22/2011 01:19 PM MDT  
**To:** Tammy Way  
**Cc:** Douglas Burns; busbyjt@ornl.gov; "Kelly, John E (NE)" <JohnE.Kelly@nuclear.energy.gov>; Joy Rempe; "Peko, Damian" <Damian.Peko@nuclear.energy.gov>; "Shields, Martha" <Martha.Shields@nuclear.energy.gov>; Mike Goff  
**Subject:** workshop space

Hi Tammy,

Hopefully you can help us with planning a closed workshop (outbrief, debrief or whatever we will call it) to document the work that the DOE labs did for Fukushima. We will do this jointly with NRC and it needs to be in the area, not at INL or anywhere else away from Washington. My WAG is that we will have 40 +/- 10 participants. We need a good workshop space, which could be in a federal building or off site if necessary. I think that NRC actually has a room that would work well, but I haven't asked them. Joy Rempe is there today and perhaps can comment on it. This would be a one-day (half-day if that is sufficient) workshop. The target dates currently are May 18, 19, 20, 25, 26. We can discuss on Monday if you are in.

The new federal wranglers for the DOE-NE Fukushima response are Damian Peko and Martha Shields. They are located in Germantown, and I have volunteered your organizational skills should they need them.

thanks,  
Harold

Harold F McFarlane

HHH/217

Deputy Associate Laboratory Director  
Idaho National Laboratory  
PO Box 1625, Idaho Falls, ID 83415-3855 USA  
ID office: +1-208-526-3256 mobile: (b)(6)  
fax: +1-208-526-2930 email: [harold.mcfarlane@inl.gov](mailto:harold.mcfarlane@inl.gov)  
Technical Director, Generation-IV International Forum  
US Dept. of Energy; Office of Nuclear Energy  
DOE office: +1-202-586-9175  
DOE email: [harold.mcfarlane@nuclear.energy.gov](mailto:harold.mcfarlane@nuclear.energy.gov)

Lee, Richard

---

From: Harold.McFarlane@inl.gov  
Sent: Saturday, April 23, 2011 10:19 PM  
To: Lee, Richard; Joy.Rempe@inl.gov  
Cc: John E Kelly  
Subject: Re: workshop space

Thanks Richard. That will help us narrow this down.  
Harold

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

From: "Lee, Richard" [Richard.Lee@nrc.gov]  
Sent: 04/23/2011 09:31 PM AST  
To: Joy Rempe  
Cc: Harold McFarlane  
Subject: RE: workshop space

Hi, Harold and Joy:

The week of May 20th is better for me. We have a retreat the previous week. There is also a week long - U.S. nation--wide security exercise that had been scheduled awhile ago. Iti is the week of May 16th.

Best regards,  
Richard

---

From: [Joy.Rempe@inl.gov](mailto:Joy.Rempe@inl.gov) [Joy.Rempe@inl.gov]  
Sent: Friday, April 22, 2011 3:42 PM  
To: Lee, Richard  
Cc: [Harold.McFarlane@inl.gov](mailto:Harold.McFarlane@inl.gov)  
Subject: Fw: workshop space

This time with a copy to Richard.

[cid:1\_08BBF2E9DFFFC4118f9e8a93df93869@inl.gov]Joy L Rempe

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

From: Joy L Rempe  
Sent: 04/22/2011 01:39 PM MDT  
To: Harold McFarlane; Tammy Way  
Cc: Douglas Burns; "Jeremy T. Busby" <[busbyjt@ornl.gov](mailto:busbyjt@ornl.gov)>; "John Kelly" <[JohnE.Kelly@nuclear.energy.gov](mailto:JohnE.Kelly@nuclear.energy.gov)>; "Peko, Damian" <[Damian.Peko@nuclear.energy.gov](mailto:Damian.Peko@nuclear.energy.gov)>; "Shields, Martha" <[Martha.Shields@nuclear.energy.gov](mailto:Martha.Shields@nuclear.energy.gov)>; Mike Goff  
Subject: Re: workshop space

Harold

I can only participate if it is the afternoon of the 25th or the morning of the 26th. The earlier week is fine. John Kelly will be briefing ACRS on the afternoon of the 26th. NEI will also be there (and I won't be able to participate). I have copied Richard, but I think that most places at White Flint require too much security. I would suggest the Bethesda North Marriott that is across from White Flint.

HHH/218.

Joy

[cid:1 =08BBF2E9DFFFC4118f9e8a93df93869@inl.gov]Harold Finley McFarlane

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

From: Harold Finley McFarlane

Sent: 04/22/2011 01:19 PM MDT

To: Tammy Way

Cc: Douglas Burns; [busbyit@ornl.gov](mailto:busbyit@ornl.gov); "Kelly, John E (NE)" <[JohnE.Kelly@nuclear.energy.gov](mailto:JohnE.Kelly@nuclear.energy.gov)>; Joy Rempe; "Peko, Damian" <[Damian.Peko@nuclear.energy.gov](mailto:Damian.Peko@nuclear.energy.gov)>; "Shields, Martha" <[Martha.Shields@nuclear.energy.gov](mailto:Martha.Shields@nuclear.energy.gov)>; Mike Goff

Subject: workshop space

Hi Tammy,

Hopefully you can help us with planning a closed workshop (outbrief, debrief or whatever we will call it) to document the work that the DOE labs did for Fukushima. We will do this jointly with NRC and it needs to be in the area, not at INL or anywhere else away from Washington. My WAG is that we will have 40 +/- 10 participants. We need a good workshop space, which could be in a federal building or off site if necessary. I think that NRC actually has a room that would work well, but I haven't asked them. Joy Rempe is there today and perhaps can comment on it. This would be a one-day (half-day if that is sufficient) workshop. The target dates currently are May 18, 19, 20, 25, 26. We can discuss on Monday if you are in.

The new federal wranglers for the DOE-NE Fukushima response are Damian Peko and Martha Shields. They are located in Germantown, and I have volunteered your organizational skills should they need them.

thanks,

Harold

Harold F McFarlane

Deputy Associate Laboratory Director

Idaho National Laboratory

PO Box 1625, Idaho Falls, ID 83415-3855 USA ID office: +1-208-526-3256 mobile

(b)(6)

(b)(6)

+1-208-526-2930 email: [harold.mcfarlane@inl.gov](mailto:harold.mcfarlane@inl.gov) Technical Director, Generation-IV

International Forum US Dept. of Energy; Office of Nuclear Energy DOE office: +1-202-586-9175

DOE email: [harold.mcfarlane@nuclear.energy.gov](mailto:harold.mcfarlane@nuclear.energy.gov)

**Lee, Richard**

---

**From:** Adams, Ian [Ian.Adams@Hq.Doe.Gov]  
**Sent:** Sunday, April 24, 2011 8:20 PM  
**To:** Adams, Ian; Aoki, Steven; Binkley, Steve; Brinkman, Bill; Budnitz, Bob; Butnitz, Bob (pacbell.net); DAgostino, Thomas; Ellis, Jim; Finck, Phillip; Garwin, Dick (EOP); Garwin, Dick (IBM); Grossenbacher, John (INL); Hobbs, David (SRNL); Hurlbut, Brandon; John Holdren; Kelly, John E (NE); Koonin, Steven; Lee, Richard; Lyons, Peter; McFarlane, Harold; Miller, Neile; Mortensen, George; Mustin, Tracy; NITSolutions; Owens, Missy; Peterson, Per; Poneman, Daniel; Power, Dana (Sandia); Regalbuto, Monica; Sheron, Brian; Steve Fetter; Szilard, Ronaldo  
**Cc:** Busby, Jeremy T; Caponiti, Alice; Burns, Douglas  
**Subject:** Nuclear science group call schedule

Good evening,

This week, there will be 2 nuclear science calls: Tomorrow (Monday) and Thursday, both at 5:00pm EDT. Monday's call will be a status update, and Thursday will be a science briefing.

**Call schedule:**

*Monday, 4/25 – 5:00pm EDT*

*Thursday, 4/28 – 5:00pm EDT*

*Call-in number:* (b)(6)

Ian

Ian Adams  
Office of the Secretary  
Department of Energy  
(202) 586-9585  
[ian.adams@hq.doe.gov](mailto:ian.adams@hq.doe.gov)

HHH/219

**Lee, Richard**

---

**From:** Sheron, Brian  
**Sent:** Monday, April 25, 2011 5:19 PM  
**To:** Lee, Richard  
**Subject:** RE: Accident reconstruction outbrief and future activities

Richard, I'm trying to get NSIR to pick up the lead for this. I would rather not have RES become the center of expertise for Fukushima.

**From:** Lee, Richard  
**Sent:** Monday, April 25, 2011 4:53 PM  
**To:** Sheron, Brian  
**Subject:** FW: Accident reconstruction outbrief and future activities

Brian:

DOE is considering a meeting near the end of May on this.

Richard

---

**From:** Harold Finley McFarlane [mailto:Harold.McFarlane@inl.gov]  
**Sent:** Friday, April 22, 2011 10:42 AM  
**To:** Douglas E Burns; busbyjt@ornl.gov; Jeff Binder; Joy L Rempe; Gauntt, Randall O; cgrandy@anl.gov; Farmer, Mitchell T.; Nam T Dinh; Robert W Youngblood; Lee, Richard; Buelt, James L; Elizabeth A Connell; Ronaldo H Szilard; McClure, Patrick R  
**Cc:** Peko, Damian; Caponiti, Alice; Kelly, John E (NE); Phillip J Finck; Shields, Martha; alex.larzelere@nuclear.energy.gov; dddixon@lanl.gov  
**Subject:** Accident reconstruction outbrief and future activities

All,

Last night I was trying to think through our new direction and the categories of activities that we have been asked to address moving forward with the Fukushima-Daiichi response. In talking to John this morning, he had been thinking along a similar line, in his case particularly starting to integrate more closely with NRC as we execute the next phase of activity. (I have copied Richard Lee so he knows that we are thinking about the NRC relationship.)

John suggested that we organize a half-day out-brief during the week of May 16, with the week of May 23 as a backup. Mid-late week is preferable. The intent would be to describe our reconstruction of the accident, what we know, don't know but wish we knew, and what data or new measurements we would like to see either for the accident reconstruction or concerns going forward. The Secretary has expressed a strong desire for more measurements to give us more confidence in the models, so the latter would help address our responsibilities to the science experts.

Please give some thought to how we would organize such an out-brief. Jeremy, perhaps we should talk about this today with Doug to kick it off. I have my own idea about how to do it, but we a small group to pull this together. We could perhaps identify nominees to pull together each of the key elements.

best,

Harold

Harold F McFarlane  
Deputy Associate Laboratory Director  
Idaho National Laboratory  
PO Box 1625, Idaho Falls, ID 83415-3855 USA  
ID office: +1-208-526-3256 mobile: (b)(6)  
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US Dept. of Energy, Office of Nuclear Energy

HHH/220

DOE office: +1-202-586-9175

DOE email: [harold.mcfarlane@nuclear.energy.gov](mailto:harold.mcfarlane@nuclear.energy.gov)



Lee, Richard

---

**From:** Harold Finley McFarlane [Harold.McFarlane@inl.gov]  
**Sent:** Thursday, April 28, 2011 9:35 AM  
**To:** Richard L Garwin  
**Cc:** Larzelere, Alex; Busby, Jeremy T; Peko, Damian; DL-NITsolutions; Burns, Douglas; Shields, Martha; Schneider, Steve  
**Subject:** Re: Indian response to Fukushima?

Dick and others,

The INDO-US Civil Nuclear Energy Working Group will take up the subject of the independent AERB at its meeting at ORNL in July. When John Grossenbacher and I were there in February, we inquired about their readiness to regulate the rapid deployment of so many new plants as well as reactor types. The US could play a significant beneficial role by providing them with independent safety codes if the export control hurdles can be overcome, and perhaps by encouraging development of nuclear engineering degree paths in the IITs and national universities, outside of the DAE.  
Harold

Harold F McFarlane  
Deputy Associate Laboratory Director  
Idaho National Laboratory  
PO Box 1625, Idaho Falls, ID 83415-3855 USA  
ID office: +1-208-526-3256 mobile: (b)(6)  
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DOE email: [harold.mcfarlane@nuclear.energy.gov](mailto:harold.mcfarlane@nuclear.energy.gov)

Richard L Garwin <[rlg2@us.ibm.com](mailto:rlg2@us.ibm.com)>

04/27/2011 10:18 PM

To "Larzelere, Alex" <[alex.larzelere@nuclear.energy.gov](mailto:alex.larzelere@nuclear.energy.gov)>  
cc "Busby, Jeremy T" <[busbyjt@ornl.gov](mailto:busbyjt@ornl.gov)>, "Peko, Damian" <[Damian.Peko@nuclear.energy.gov](mailto:Damian.Peko@nuclear.energy.gov)>, DL-NITsolutions <[DL-NITsolutions@nnsa.doe.gov](mailto:DL-NITsolutions@nnsa.doe.gov)>, "Burns, Douglas" <[Douglas.Burns@inl.gov](mailto:Douglas.Burns@inl.gov)>, "Shields, Martha" <[Martha.Shields@nuclear.energy.gov](mailto:Martha.Shields@nuclear.energy.gov)>, "Schneider, Steve" <[Steve.Schneider@em.doe.gov](mailto:Steve.Schneider@em.doe.gov)>

Subject Indian response to Fukushima?

Dear Colleagues,

I was uncertain whether to forward this letter from Dr.A.Gopalakrishnan (Former Chairman , Atomic Energy Regulatory Board , Govt. of India), but it does seem relevant to NE, NRC, and to the DOE leadership.

Dick Garwin

\*\*\*\*\*

[attachment "042711 Gopalakrishnan.doc" deleted by Harold Finley McFarlane/MCFAHF/CC01/INEEL/US]

HHH/221

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**Subject:** Meet w/Mano Nazar (Florida Power & Light)  
**Location:** O-17B4  
  
**Start:** Fri 4/29/2011 9:30 AM  
**End:** Fri 4/29/2011 10:00 AM  
  
**Recurrence:** (none)  
  
**Meeting Status:** Accepted  
  
**Organizer:** Borchardt, Bill  
**Required Attendees:** Virgilio, Martin; Leeds, Eric; ConferenceRoomO17B4 Resource  
**Optional Attendees:** Howe, Allen

When: Friday, April 29, 2011 9:30 AM-10:00 AM (GMT-05:00) Eastern Time (US & Canada).  
Where: O-17B4

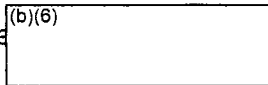
Note: The GMT offset above does not reflect daylight saving time adjustments.

\*~\*~\*~\*~\*~\*~\*~\*~\*~\*

Subject: LARS, Lessons Learned Japan – what are they doing different to improve performance, what are they doing proactively with fleet (Nuclear Plants)

Rct 4/11

POC – Sandra



HHH/222

**Lee, Richard**

---

**From:** Joy L Rempe [Joy.Rempe@inl.gov]  
**Sent:** Friday, April 29, 2011 2:00 PM  
**To:** Marksberry, Don; Esmaili, Hossein; Brown, Michael; Salay, Michael; Lee, Richard; RST01 Hoc; Alice.Caponiti@nuclear.energy.gov; Peko, Damian; Douglas E Burns; Harold Finley McFarlane; Gauntt, Randall O; Robert W Youngblood; William C Phoenix  
**Subject:** Re: DOE Trend Plots and plant Data From TEPCO  
**Attachments:** ATT00003..jpg; ATT00004..jpg; Fukushima Charts 28 April 2011.pdf

Hi,

I do try to add RST01 to the pdfs of plots that I send out daily (Monday through Thursday, but sometimes it's the wee hours of the morning...). I apologize if I left this distribution off one day. I'm also wondering if I'm 'allowed' to send to this distribution list. Can someone who should be getting two copies (e.g., they are individually on my email and on the list) verify that they are getting two copies?

Note that in addition to the plots, I've also been collecting a 'chronology of events' and a document that describes that the location and operational aspects of sensors/sources for this data. The latter two are more draft in nature, and I would appreciate comments. Frankly, we still see changes in the data (so they, also, can change). I send out pdfs. I am willing to send out power point and Excel versions. However, there are problems when we go from MACS to PCs and within different versions of Office products that can affect the date. We've discussed this with helplines, and there are just bugs in the software. As long as we stay on one platform, it isn't a problem.

The data, as Don as noted, are coming from various reports. Frankly, I am guessing that all of the data (except the thermal imaging) really come from TEPCO and their contractors at the site. However, how we obtain these data is not direct. For example, the early data did come from TEPCO but were sent to us 'unofficially'. We do look at the NISA press releases and data from other sources, such as the FEPC. When I was in DC, Richard Lee suggested that DOE and NRC work together on this. I'm glad that my management (and DOE) agreed. It makes more sense if all we are trying to do is understand the information that is available, and I appreciate the help that Don, Jeff, and Carl have provided. Alice asked me to add RST01 to ensure that it is properly distributed. I can take the ODO off (if the proper folks tell me to do it).

I am willing to send out to whatever to whomever. However, I would like to warn those that receive the Excel and /or the PowerPoint versions to be careful. I know that Randy Gauntt told me that his got hosed over the other day.. so I'm sending him a new one.

Joy

P.S. Robert Youngblood and Bill Pheonix found an error in our schematic. Please use this updated version for the 28 April plots...



Joy Rempe - Idaho National Laboratory  
Phone: (208) 526-2897 • Cell: (b)(6)  
Email: Joy.Rempe@inl.gov

Fax: (208) 526-2930 •

"Marksberry, Don" <Don.Marksberry@nrc.gov>

04/29/2011 10:15 AM

To RST01 Hoc <RST01.Hoc@nrc.gov>, "Brown, Michael" <Michael.Brown@nrc.gov>  
cc "Lee, Richard" <Richard.Lee@nrc.gov>, Joy L Rempe <Joy.Rempe@inl.gov>, "Salay, Michael" <Michael.Salay@nrc.gov>, "Esmaili, Hossein" <Hossein.Esmaili@nrc.gov>

Subject DOE Trend Plots and plant Data From TEPCO

HHH/223

Dave, Mike, RST01

Joy added RST01 to the distribution of the INL-DOE charts (see att 1) . The INL charts are largely based on the 2-page table of "...major parameters of the plant..." from the NISA press releases (see att 2). The same 2-page table in Japanese can be found on the NISA Japanese webpage (see att 3). I have been sending Joy the full set of the TEPCO data table and charts (in Japanese) whenever someone in RES receives them and uploads to our 1F SharePoint page. Jeff Mitman hooked us up with Carl Moore to add Joy and myself to the daily distribution of the full TEPCO data set (see att 4 for an example of the full TEPCO data set).

Joy's staff at INL can add additional trend charts using the larger scope data from the TEPCO data set, if she can get on a regular distribution. We received a TEPCO data set yesterday, but not today (maybe because of the holiday).

With regards to the Excel spreadsheets, maybe Joy can share her spreadsheets with the NRC and Consortium.

One observation: The INL-DOE charts are marked OUO. I don't know what this means when they are sent to INPO and GEH.

Don

Don Marksberry

Division of Risk Analysis  
Office of Nuclear Regulatory Research  
U.S. Nuclear Regulatory Commission  
21 Church Street  
Rockville, Maryland 20850-4207

Phone: 301-251-7593  
E-mail: Don.Marksberry@nrc.gov

USPS & Express Mail Address:  
Mail Stop: C-4C07M  
Washington, D.C. 20555-0001

----- Message from Joy L Rempe <Joy.Rempe@inl.gov> on Thu, 28 Apr 2011 21:42:24 -0400 -----

"Caponiti, Alice" <Alice.Caponiti@nuclear.energy.gov>, "Bari, Robert A" <bari@bnl.gov>, "Bill.McCaughey@nuclear.energy.gov" <Bill.McCaughey@nuclear.energy.gov>, "binderjl@ornl.gov" <binderjl@ornl.gov>, "busbyjt@ornl.gov" <busbyjt@ornl.gov>, "cgrandy@anl.gov" <cgrandy@anl.gov>, Christine E White <Christine.White@inl.gov>, "Peko, Damian" <Damian.Peko@nuclear.energy.gov>, "dddixon@lanl.gov" <dddixon@lanl.gov>, "Marksberry, Don" <Don.Marksberry@nrc.gov>, Douglas E Burns  
To: <Douglas.Burns@inl.gov>, "Hackett, Edwin" <Edwin.Hackett@nrc.gov>, Elizabeth A Connell <Elizabeth.Connell@inl.gov>, "farmer@anl.gov" <farmer@anl.gov>, "flanagangf@ornl.gov" <flanagangf@ornl.gov>, "gehinjc@ornl.gov" <gehinjc@ornl.gov>, Harold Finley McFarlane <Harold.McFarlane@inl.gov>, "horak@bnl.gov" <horak@bnl.gov>, "james.bueltpnl.gov" <james.bueltpnl.gov>, "JohnE.Kelly@nuclear.energy.gov" <JohnE.Kelly@nuclear.energy.gov>, "Flack, John" <John.Flack@nrc.gov>, "kbsoren@sandia.gov" <kbsoren@sandia.gov>, "Kellar, Kenneth" <Kenneth.Kellar@nuclear.energy.gov>, "ks@bnl.gov" <ks@bnl.gov>, Kurt L

Davis <Kurt.Davis@inl.gov>, "patrick.schwab@nuclear.energy.gov"  
<patrick.schwab@nuclear.energy.gov>, "Lee, Richard" <Richard.Lee@nrc.gov>,  
"Richard.Reister@nuclear.energy.gov" <Richard.Reister@nuclear.energy.gov>,  
"RobertP.Martin@inl.gov" <RobertP.Martin@inl.gov>, "Robert.Youngblood@inl.gov"  
<Robert.Youngblood@inl.gov>, "ROB.VERSLUIS@nuclear.energy.gov"  
<ROB.VERSLUIS@nuclear.energy.gov>, "Rogaunt@sandia.gov" <Rogaunt@sandia.gov>,  
RST01 Hoc <RST01.Hoc@nrc.gov>, "spburns@sandia.gov" <spburns@sandia.gov>,  
"tom.miller@nuclear.energy.gov" <tom.miller@nuclear.energy.gov>,  
"trevor.cook@nuclear.energy.gov" <trevor.cook@nuclear.energy.gov>,  
"wagnerjc@ornl.gov" <wagnerjc@ornl.gov>, William C Phoenix  
<William.Phoenix@inl.gov>

Subject: Updated Plots and Timeline

Hi,

Here's the latest set of plots. We are continuing to add more data that we've been receiving from TEPCO. Because of the behavior that we are seeing at earlier time periods (e.g., negative temperature values), we are also starting to label some of the data as 'suspect', such as the feedwater nozzle temperatures reported on Unit 3 (slide 15). We also have generated a sketch (Slide 12) that illustrates the location of various sensors.

Joy

[attachment "Fukushima Chart 28 April 2011.pdf" deleted by Joy L Rempe/YOJ/CC01/INEEL/US] [attachment "2 Fukushima Dai-ichi Nuclear Power Station Major Parameters of the Plant (As of 0600, April 28th.pdf" deleted by Joy L Rempe/YOJ/CC01/INEEL/US] [attachment "3 - Parameter Table in Japanese (see last page).pdf" deleted by Joy L Rempe/YOJ/CC01/INEEL/US]



Joy Rempe • Idaho National Laboratory

Phone: (208) 526-2897 • Cell: (b)(6)

Email: Joy.Rempe@inl.gov

Fax: (208) 526-2930 •

----- Message from "Moore, Carl" <Carl.Moore@nrc.gov> on Wed, 27 Apr 2011 22:26:32 -0400 -----

"Garchow, Steve" <Steve.Garchow@nrc.gov>, "Lupold, Timothy"  
To: <Timothy.Lupold@nrc.gov>, "Mitman, Jeffrey" <Jeffrey.Mitman@nrc.gov>, "Norwood,  
Donald" <Donald.Norwood@nrc.gov>, "Marksberry, Don" <Don.Marksberry@nrc.gov>,  
"Rempe, Joy" <Joy.Rempe@nrc.gov>

Subject: FW: 1F Plant DATA (4 /28/2011)

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

From: 遠藤 秀和 [mailto:endou.hidekazu@tepc.co.jp]

Sent: Wednesday, April 27, 2011 10:14 PM

To: Reynolds, Steven; Moore, Carl; GardLA@INPO.org; nei-hisanori@meti.go.jp; oshima-toshiyuki@meti.go.jp;

Aleshia D. Duncan

Cc: 堀川 健; 高階 悟志; 白石 哲博; nakamura.mihoko@tepc.co.jp; 横尾 智之; 氏田 修二郎; 佐藤 隆; 二宮

豊; 中野 浩; 伊藤 正裕; 石井 武生; 毒島 康二

Subject: 1F Plant DATA (4/28/2011)

Dear all.

Please find attached plant status of Fukushima Daiichi NPS.

We appreciate your support.

Best regards,

Hidekazu Endou

TEPCO

[attachment "福島第一プラントパラメータ 0428\_06 時 00 分.pdf" deleted by Joy L Rempe/YOJ/CC01/INEEL/US]

[attachment "作業予定・現状 0428\_0800Fix.pdf" deleted by Joy L Rempe/YOJ/CC01/INEEL/US]

**Lee, Richard**

---

**From:** Marksberry, Don  
**Sent:** Saturday, April 30, 2011 7:25 AM  
**To:** Joy L Rempe  
**Cc:** Lee, Richard; Damian.Peko@nuclear.energy.gov; Harold Finley McFarlane; Douglas E Burns  
**Subject:** RE: DOE Trend Plots and plant Data From TEPCO  
**Attachments:** image001.jpg

Joy

I would suggest replacing the OUO marking with something like this:

Working Draft - Information contained in this document has not been verified. Do NOT distribute to the public or outside the U.S. Federal Government community (staff, contractors, and consultants) without permission from the U.S. Department of Energy. CONTACT: \_\_\_\_\_

This isn't really OUO. I think the objective is to control its whereabouts so you can make corrections as necessary (and it doesn't get misused). In addition, OUO does not necessarily protect its release in a FOIA request. In general, unmarked documents are treated (at the NRC and other agencies) pre-decisional unless it's formally released to the public or marked otherwise. The above marking reminds those handling the document that this is a government draft document and should be treated as such. Nobody gets in trouble if the document accidentally gets lost. We used similar informal caution markings at the NRC when sharing non-sensitive working draft documents with other agencies.

Don

---

**From:** Joy L Rempe [mailto:Joy.Rempe@inl.gov]  
**Sent:** Friday, April 29, 2011 6:51 PM  
**To:** Marksberry, Don  
**Cc:** Lee, Richard; Damian.Peko@nuclear.energy.gov; Harold Finley McFarlane; Douglas E Burns  
**Subject:** RE: DOE Trend Plots and plant Data From TEPCO

Hi Don,

I'm glad that the plots are helpful, and I think that an external website with the information would be great. As you know, we also have been collecting videos and photos. However, when I asked today, ky management wasn't sure how to address the issue of OUO and distribution issue, and they asked me to talk to Damian. Damian also wasn't sure about the distribution issue, so he suggest what I mentioned in my second email. I'll copy Damian, Harold, and Doug and let them decide.

Until a decision is made, I'll continue to send plots to NRC. Damian indicate that you (or others within NRC) are allowed to send it to folks within the federal family. By the way, could I get access to the SharePoint page? I do have access via the NRC's CITRIX process for ACRS. However, I realize that we aren't really NRC.

Joy

HHH/224



Joy Rempe • Idaho National Laboratory

Phone: (208) 526-2897 • Cell: (b)(6)

Email: Joy.Rempe@inl.gov

Fax: (208) 526-2930 •

"Marksberry, Don" <Don.Marksberry@nrc.gov>

To Joy L Rempe <Joy.Rempe@inl.gov>

cc "Lee, Richard" <Richard.Lee@nrc.gov>

04/29/2011 03:35 PM

Subject RE: DOE Trend Plots and plant Data From TEPCO

Hi Joy

Everyone likes your charts. I believe the Consortium would prefer INL to continue so each organization doesn't have to go through the time consuming data entry and checking process. The distribution of information and raw data has not been consistent at our end and the distant end, mainly due to the constant changing of staff in the Ops Center and Site Team. We (RES) have setup a SharePoint page for sharing of info and data inside the NRC firewall, but this is not available outside the firewall.

Can INL setup a hidden, non-public webpage to post basic data and information not OUO (e.g., your charts, chronologies, TEPCO data)? As this become popular, maybe it can convince those in the field to recognize INL as the clearinghouse for data. Marty Sattison's staff should be able to help setup a website.

What do you think?

Don

---

**From:** Joy L Rempe [Joy.Rempe@inl.gov]

**Sent:** Friday, April 29, 2011 2:00 PM

**To:** Marksberry, Don; Esmaili, Hossein; Brown, Michael; Salay, Michael; Lee, Richard; RST01 Hoc; Alice.Caponiti@nuclear.energy.gov; Peko, Damian; Douglas E Burns; Harold Finley McFarlane; Gauntt, Randall O; Robert W Youngblood; William C Phoenix

**Subject:** Re: DOE Trend Plots and plant Data From TEPCO

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Note that in addition to the plots, I've also been collecting a 'chronology of events' and a document that describes that the location and operational aspects of sensors/sources for this data. The latter two are more draft in nature, and I would appreciate comments. Frankly, we still see changes in the data (so they, also, can change). I send out pdfs. I am willing to send out power point and Excel versions. However, there are problems when we go from MACS to PCs and within different versions of Office products that can affect the date. We've discussed this with helplines, and there are just bugs in the software. As long as we stay on one platform, it isn't a problem.

The data, as Don as noted, are coming from various reports. Frankly, I am guessing that all of the data (except the thermal imaging) really come from TEPCO and their contractors at the site. However, how we obtain these data is



not direct. For example, the early data did come from TEPCO but were sent to us 'unofficially'. We do look at the NISA press releases and data from other sources, such as the FEPC. When I was in DC, Richard Lee suggested that DOE and NRC work together on this. I'm glad that my management (and DOE) agreed. It makes more sense if all we are trying to do is understand the information that is available, and I appreciate the help that Don, Jeff, and Carl have provided. Alice asked me to add RST01 to ensure that it is properly distributed. I can take the OUO off (if the proper folks tell me to do it).

I am willing to send out to whatever to whomever. However, I would like to warn those that receive the Excel and /or the PowerPoint versions to be careful. I know that Randy Gauntt told me that his got hosed over the other day.. so I'm sending him a new one.

Joy

P.S. Robert Youngblood and Bill Pheonix found an error in our schematic. Please use this updated version for the 28 April plots...

"Marksberry, Don"  
<Don.Marksberry@nrc.gov>  
04/29/2011 10:15 AM

To RST01 Hoc <RST01.Hoc@nrc.gov>, "Brown, Michael" <Michael.Brown@nrc.gov>  
cc "Lee, Richard" <Richard.Lee@nrc.gov>, Joy L Rempe <Joy.Rempe@inl.gov>, "Salay, Michael" <Michael.Salay@nrc.gov>, "Esmaili, Hossein" <Hossein.Esmaili@nrc.gov>  
Subject DOE Trend Plots and plant Data From TEPCO

Dave, Mike, RST01

Joy added RST01 to the distribution of the INL-DOE charts (see att 1). The INL charts are largely based on the 2-page table of "...major parameters of the plant..." from the NISA press releases (see att 2). The same 2-page table in Japanese can be found on the NISA Japanese webpage (see att 3). I have been sending Joy the full set of the TEPCO data table and charts (in Japanese) whenever someone in RES receives them and uploads to our 1F SharePoint page. Jeff Mitman hooked us up with Carl Moore to add Joy and myself to the daily distribution of the full TEPCO data set (see att 4 for an example of the full TEPCO data set).

Joy's staff at INL can add additional trend charts using the larger scope data from the TEPCO data set, if she can get on a regular distribution. We received a TEPCO data set yesterday, but not today (maybe because of the holiday).

With regards to the Excel spreadsheets, maybe Joy can share her spreadsheets with the NRC and Consortium.

One observation: The INL-DOE charts are marked OUO. I don't know what this means when they are sent to INPO and GEH.

Don

Don Marksberry

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----- Message from Joy L Rempe <Joy.Rempe@inl.gov> on Thu, 28 Apr 2011 21:42:24 -0400 -----

"Caponiti, Alice" <Alice.Caponiti@nuclear.energy.gov>, "Bari, Robert A" <bari@bnl.gov>, "Bill.McCaughey@nuclear.energy.gov" <Bill.McCaughey@nuclear.energy.gov>, "binderjl@ornl.gov" <binderjl@ornl.gov>, "busbyjt@ornl.gov" <busbyjt@ornl.gov>, "cgrandy@anl.gov" <cgrandy@anl.gov>, Christine E White <Christine.White@inl.gov>, "Peko, Damian" <Damian.Peko@nuclear.energy.gov>, "dddixon@lanl.gov" <dddixon@lanl.gov>, "Marksberry, Don" <Don.Marksberry@nrc.gov>, Douglas E Burns <Douglas.Burns@inl.gov>, "Hackett, Edwin" <Edwin.Hackett@nrc.gov>, Elizabeth A Connell <Elizabeth.CConnell@inl.gov>, "farmer@anl.gov" <farmer@anl.gov>, "flanagangf@ornl.gov" <flanagangf@ornl.gov>, "gehinjc@ornl.gov" <gehinjc@ornl.gov>, Harold Finley McFarlane <Harold.McFarlane@inl.gov>, "horak@bnl.gov" <horak@bnl.gov>, "james.buelt@pnl.gov" <james.buelt@pnl.gov>, "JohnE.Kelly@nuclear.energy.gov" <JohnE.Kelly@nuclear.energy.gov>, "Flack, John" <John.Flack@nrc.gov>, "kbsoren@sandia.gov" <kbsoren@sandia.gov>, "Kellar, Kenneth" <Kenneth.Kellar@nuclear.energy.gov>, "ks@bnl.gov" <ks@bnl.gov>, Kurt L Davis <Kurt.Davis@inl.gov>, "patrick.schwab@nuclear.energy.gov" <patrick.schwab@nuclear.energy.gov>, "Lee, Richard" <Richard.Lee@nrc.gov>, "Richard.Reister@nuclear.energy.gov" <Richard.Reister@nuclear.energy.gov>, "RobertP.Martin@inl.gov" <RobertP.Martin@inl.gov>, "Robert.Youngblood@inl.gov" <Robert.Youngblood@inl.gov>, "ROB.VERSLUIS@nuclear.energy.gov" <ROB.VERSLUIS@nuclear.energy.gov>, "Rogaunt@sandia.gov" <Rogaunt@sandia.gov>, RST01 Hoc <RST01.Hoc@nrc.gov>, "spburns@sandia.gov" <spburns@sandia.gov>, "tom.miller@nuclear.energy.gov" <tom.miller@nuclear.energy.gov>, "trevor.cook@nuclear.energy.gov" <trevor.cook@nuclear.energy.gov>, "wagnerjc@ornl.gov" <wagnerjc@ornl.gov>, William C Phoenix <William.Phoenix@inl.gov>

To:

**Subject:** Updated Plots and Timeline

Hi,

Here's the latest set of plots. We are continuing to add more data that we've been receiving from TEPCO. Because of the behavior that we are seeing at earlier time periods (e.g., negative temperature values), we are also starting to label some of the data as 'suspect', such as the feedwater nozzle temperatures reported on Unit 3 (slide 15). We also have generated a sketch (Slide 12) that illustrates the location of various sensors.

Joy

[attachment "Fukushima Chart 28 April 2011.pdf" deleted by Joy L Rempe/YOJ/CC01/INEEL/US] [attachment "2 Fukushima Dai-ichi Nuclear Power Station Major Parameters of the Plant (As of 0600, April 28th.pdf" deleted by Joy L Rempe/YOJ/CC01/INEEL/US] [attachment "3 - Parameter Table in Japanese (see last page).pdf" deleted by Joy L Rempe/YOJ/CC01/INEEL/US]

----- Message from "Moore, Carl" <Carl.Moore@nrc.gov> on Wed, 27 Apr 2011 22:26:32 -0400 -----

"Garchow, Steve" <Steve.Garchow@nrc.gov>, "Lupold, Timothy" <Timothy.Lupold@nrc.gov>, "Mitman, Jeffrey" <Jeffrey.Mitman@nrc.gov>, "Norwood, Donald" <Donald.Norwood@nrc.gov>, "Marksberry, Don" <Don.Marksberry@nrc.gov>, "Rempe, Joy" <Joy.Rempe@nrc.gov>

To:

**Subject:** FW: 1F Plant DATA (4/28/2011)

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

From: 遠藤 秀和 [mailto:endou.hidekazu@tepcoco.jp]

Sent: Wednesday, April 27, 2011 10:14 PM

To: Reynolds, Steven; Moore, Carl; GardLA@INPO.org; nei-hisanori@meti.go.jp; oshima-toshiyuki@meti.go.jp; Aleshia D. Duncan

Cc: 堀川 健; 高階 悟志; 白石 哲博; nakamura.mihoko@tepcoco.jp; 横尾 智之; 氏田 修二郎; 佐藤 隆; 二宮 豊; 中野 浩; 伊藤 正裕; 石井 武生; 毒島 康二

Subject: 1F Plant DATA (4/28/2011)

Dear all.

Please find attached plant status of Fukushima Daiichi NPS.

We appreciate your support.

Best regards,

Hidekazu Endou

TEPCO

[attachment "福島第一プラントパラメータ 0428\_06 時 00 分.pdf" deleted by Joy L Rempe/YOJ/CC01/INEEL/US]

[attachment "作業予定・現状 0428\_0800Fix.pdf" deleted by Joy L Rempe/YOJ/CC01/INEEL/US]