

(2,412 pages)

Group CS

(Records Withheld
In Part)

From: Jaczko, Gregory
Sent: Saturday, March 19, 2011 5:29 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Action: Call will be held on Saturday, March 19th at 7:45am

From: Virgilio, Martin
Sent: Saturday, March 19, 2011 5:28:58 AM
To: Jaczko, Gregory
Subject: Action: Call will be held on Saturday, March 19th at 7:45am
Auto forwarded by a Rule

Chairman

We have been able to make considerable progress during the night shift in arranging for the consortium kick off meeting. Thanks for your vision and action around this initiative.

Marty

From: LIA08 Hoc
Sent: Saturday, March 19, 2011 5:04 AM
To: Wiggins, Jim; Leeds, Eric; Sheron, Brian; Miller, Charles; Borchardt, Bill; Brenner, Eliot; Schmidt, Rebecca; Casto, Chuck; Burns, Stephen; Doane, Margaret; Muessle, Mary; Batkin, Joshua; Weber, Michael; Coggins, Angela; Anderson, James; Monninger, John; Smith, Brooke
Cc: Virgilio, Martin; LIA08 Hoc; HOO Hoc
Subject: Action: Call will be held on Saturday, March 19th at 7:45am

Good Morning Everyone,

Please be advised that this email is being sent to provide you with advanced notice of a 7:45am call where the agenda for a 2:00pm meeting with industry will be discussed. In addition, you will be requested to provide a representative from your organization to support a 2:00pm meeting with industry. Meeting purpose and objective are provided below.

Please call the HQ Operations Officer at 301-816-5100 and ask to be transferred to the ET bridge line to join the 7:45am conference call.

Thank you

Meeting Agenda

Purpose: Plan for and initiate a US government and industry consortium to support the Japanese in terminating the Fukushima reactor accident.

Objective: Align on an approach for addressing the technical, logistical, and political issues

Process:

- NRC Site Team brief on current status of the Fukushima site and on the relationship between various Japanese government and private sector organizations with an emphasis on roles, responsibilities and decision making authorities
- GE-H/Bechtel brief on current status of their operations
- INPO facilitated discussion of industry representatives on capabilities that can be brought to bear in the near term
- Open discussion on viable actions, strategies and priorities for terminating the event and gaining control over the situation
- Open discussion on challenges that need to be addressed
- Open discussion on roles and responsibilities, charter, and governance structure for the consortium and other members

2pm Meeting Participants:

Bill Webster, INPO
 Randy Tropasso, INPO
 Peter Orphanos, Exelon
 Jerald Head, GE
 Dr. Rosa Yang, EPRI (Sunday)
 Mike Hughes, Bechtel
 Joe Zwetolitz, AREVA
 Dave Richardson, Babcock (Sunday)
 Tom Vavoso, NR
 Pete Lyons, DOE
 OEDO, RES, NRR, NSIR, OPA, OGC, NRC Site Team, NRC, OIP, FSME, OCA, COMM

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Saturday, March 19, 2011 6:17 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: SITUATION REPORT No. 16 03/19/I (SBU)
Attachments: image001.gif

From: NOC.SWO.Restricted[SMTP:NOC.SWO.RESTRICTED@DHS.GOV]
Sent: Saturday, March 19, 2011 6:16:33 AM
To: Brennan, John; de Vallance, Brian; DHS Ops Daily Reporting; Foley, David; Jaczko, Gregory; McNamara, Phil; NOC.SWO.Restricted; OPS.CAT; Poneman, Daniel; SBS-All; Stern, Warren; Anello, Joseph; Chavez, Richard; DiFalco, Frank; NOC-Director; Triner, Donald
Cc: NOC.SWO.Restricted
Subject: FW: SITUATION REPORT No. 16 03/19/I (SBU)
Auto forwarded by a Rule

Below is the latest DOS SITREP on Japan.

(b)(6)

Senior Watch Officer
DHS National Operations Center
Non-Secure: (b)(6)
Secure: (b)(6)

From: OpsAlert [mailto:OpsAlert@state.gov]
Sent: Saturday, March 19, 2011 6:03 AM
To: undisclosed-recipients
Subject: SITUATION REPORT No. 16 03/19/I (SBU)

SENSITIVE BUT UNCLASSIFIED



EXECUTIVE SECRETARIAT
Operations Center

SITUATION REPORT No. 16

Japan Earthquake TFJP01

Saturday, March 19, 2011
0600 EDT, 1100 ert Paris

(b)(5)

(b)(5)

(b)(5)

From: Hipschman, Thomas
Sent: Saturday, March 19, 2011 7:50 AM
To: Batkin, Joshua; Monninger, John; Coggins, Angela; Loyd, Susan; Warren, Roberta; Pearson, Laura; Pace, Patti; Bradford, Anna; Dhir, Neha; Clark, Lisa; Fopma, Melody; Speiser, Herald; Gibbs, Catina; Marshall, Michael
Subject: March 19 0730 Update

No significant changes with the units

Unit 2 TEPCO says connected power to an auxiliary transformer and working to connect to switchgear. No ideas how there are going to be able to use it. Might be trying to install HVAC to reduce exposure to Control Room staff

Unit 3 spraying water from water canons periodically

Unit 5 stage fire fighting equipment there as a contingency. EDG still available and shared with Unit 6

Shared pool and dry cask storage inspected and appear to be OK

More sample results at minimum detectable activity. From San Onofre 1.8e-13 I131, Diablo Canyon 1.4 E-13 I131 - will sample about every 4 hours

Sample results coming in from various Japanese cities - (b)(5)

Ground deposition towards NW off-site. (b)(5)

Forecast for winds to shift onshore Sunday

Relief personnel beginning to travel this Sunday

(b)(5)

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Saturday, March 19, 2011 4:37 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: <<< New Video Shows Food and Milk In Japan - Contaminated by Radioactive Particles >>>

From: (b)(6) on behalf of Thomas Saporito[SMTP:THOMAS@SAPRODANI-ASSOCIATES.COM]
Sent: Saturday, March 19, 2011 4:36:24 PM
Subject: <<< New Video Shows Food and Milk In Japan - Contaminated by Radioactive Particles >>>
Auto forwarded by a Rule

[Click Here to View the Video](#)

Thomas Saporito, Consulting Associate
thomas@saprodani-associates.com
Web: <http://Saprodani-Associates.com>
Post Office Box 8413, Jupiter, Florida 33468
Phone: (561) 972-8363 Fax: (561) 247-6404
Saprodani-Associates - Advocate/GreenPeace USA

From: Jaczko, Gregory
Sent: Saturday, March 19, 2011 9:43 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: I'm off the phone when you are

From: Batkin, Joshua
Sent: Saturday, March 19, 2011 9:42:49 AM
To: Jaczko, Gregory
Subject: I'm off the phone when you are
Auto forwarded by a Rule

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Jaczko, Gregory
Sent: Saturday, March 19, 2011 6:51 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Japan Follow-up

From: Batkin, Joshua
Sent: Saturday, March 19, 2011 6:50:50 PM
To: Jaczko, Gregory
Subject: RE: Japan Follow-up
Auto forwarded by a Rule

Chairman – attached is a revised version of Bill's plan that includes WCO/GEA language and WDM language.

Near Term Review:

- 90 day effort
- Evaluate currently available technical and operational information from the event to identify near term (or immediate) operational or regulatory issues affecting US operating reactors of all designs in areas such as protection against earthquake, tsunami, flooding, hurricanes; station blackout and a degraded ability to restore power; severe accident mitigation; and emergency preparedness.
- Develop recommendations for generic communications, orders, etc
- This would possibly include a 30 day quick look report
- Limited stakeholder involvement informed by, but independent of industry efforts
- Public report

Longer Term Review:

- Would start after we have sufficient technical information from Japan
- Evaluate all technical and policy issues to identify additional research, generic issues, changes to ROP, rulemakings, adjustments to the regulatory framework, etc that should be conducted by NRC
- Evaluate interagency issues (EP)
- Applicability to non-operating reactor facilities
- Substantive stakeholder involvement
- Public report

From: Jaczko, Gregory
Sent: Saturday, March 19, 2011 7:45 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Aoki task force

From: Batkin, Joshua
Sent: Saturday, March 19, 2011 7:45:06 PM
To: Jaczko, Gregory
Subject: Aoki task force
Auto forwarded by a Rule

Chairman - Marty recommended Weber since its probably more of a daytime operation and Marty's working nights.

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Jaczko, Gregory
Sent: Saturday, March 19, 2011 9:17 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Source term and plume model runs

From: Borchardt, Bill
Sent: Saturday, March 19, 2011 9:17:22 PM
To: Weber, Michael
Cc: Jaczko, Gregory
Subject: Fw: Source term and plume model runs Auto forwarded by a Rule

Mike,

Ideas ? (b)(5)

Bill Borchardt

Via blackberry

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

From: Jaczko, Gregory
To: Borchardt, Bill
Sent: Sat Mar 19 18:34:35 2011
Subject: Fw: Source term and plume model runs

Who do you recommend

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

From: DAgostino, Thomas <Thomas.DAgostino@nnsa.doe.gov>
To: Jaczko, Gregory
Cc: Aoki, Steven <Steven.Aoki@nnsa.doe.gov>
Sent: Sat Mar 19 18:08:19 2011
Subject: Source term and plume model runs

(b)(5)

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Saturday, March 19, 2011 11:11 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Source term and plume model runs

From: DAgostino, Thomas[SMTP:THOMAS.DAGOSTINO@NNSA.DOE.GOV]
Sent: Saturday, March 19, 2011 11:11:08 PM
To: Jaczko, Gregory
Cc: Weber, Michael; Aoki, Steven; Miller, Neile
Subject: Re: Source term and plume model runs Auto forwarded by a Rule

Greg. Many thanks for your help here. Steve Aoki will get in touch with Michael. All the best, Tom

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

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
To: DAgostino, Thomas
Cc: Weber, Michael <Michael.Weber@nrc.gov>
Sent: Sat Mar 19 20:22:33 2011
Subject: Re: Source term and plume model runs

Tom - michael weber would be the best person. I cc'd him. Phone is 3014151700

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

From: DAgostino, Thomas <Thomas.DAgostino@nnsa.doe.gov>
To: Jaczko, Gregory
Cc: Aoki, Steven <Steven.Aoki@nnsa.doe.gov>
Sent: Sat Mar 19 18:57:52 2011
Subject: Re: Source term and plume model runs

(b)(5)

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

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
To: DAgostino, Thomas
Cc: Aoki, Steven
Sent: Sat Mar 19 18:29:04 2011
Subject: Re: Source term and plume model runs

Is there concern with the current source term we are using?

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

From: DAgostino, Thomas <Thomas.DAgostino@nnsa.doe.gov>

To: Jaczko, Gregory
Cc: Aoki, Steven <Steven.Aoki@nnsa.doe.gov>
Sent: Sat Mar 19 18:08:19 2011
Subject: Source term and plume model runs

(b)(5)

From: Jaczko, Gregory
Sent: Sunday, March 20, 2011 7:29 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: March 20 one pager.doc
Attachments: March 20 one pager.doc

From: Wiggins, Jim
Sent: Sunday, March 20, 2011 7:27:52 AM
To: Jaczko, Gregory; Batkin, Joshua
Cc: Virgilio, Martin; Weber, Michael; ET02 Hoc
Subject: March 20 one pager.doc
Auto forwarded by a Rule

Here's the bases for our 8:00am brief.

From: LIA03 Hoc
Sent: Sunday, March 20, 2011 7:33 AM
To: Liaison Japan
Cc: Doane, Margaret; Mamish, Nader; Ramsey, Jack
Subject: FW: Report from Brooke and Kirk - Sunday morning

Brooke and Kirk,

Please see message from Margie --

Cheers,

Karen and Steve (we are the day shift 3/20 if you need anything)

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

From: Doane, Margaret
Sent: Sunday, March 20, 2011 7:29 AM
To: LIA02 Hoc; LIA03 Hoc; Mamish, Nader; Ramsey, Jack
Subject: RE: Report from Brooke and Kirk - Sunday morning

Brooke and Kirk,

1) As your note indicates NISA seems very busy as one would expect. You now have a much better understanding of their activities in crisis mode. When you have a chance, can you explain the least intrusive ways to get the information we need to be helpful. Maybe you can talk with Koyama and Yagi to make sure your previous understanding works in this crisis mode. If you haven't asked recently, can you ask what is working, as we don't want to slow them down. This would be helpful as we transition teams to make sure that everyone appreciates the need to work within their system.

2) I can't remember from the other conversations, does NISA get a report from TEPCO regarding what issues TEPCO sees as most important to resolve for the next 24 hours, next 48 hours. Are we regularly getting this in writing, or meetings. TEPCO and NISA perspectives are obviously important to anyone offering assistance.

You don't need to write this down if you don't have time. Just talk with the LT desk at the end of the day. Or, feel free to call my mobile.

From: LIA02 Hoc
Sent: Sunday, March 20, 2011 5:06 AM
To: LIA03 Hoc; LIA02 Hoc; Doane, Margaret; Mamish, Nader
Subject: Report from Brooke and Kirk - Sunday morning

Good morning,

Please find attached the readout from our conversation with Brooke and Kirk at 0430 EDT, Sunday morning, March 20.

Regards,
Jen

From: Hipschman, Thomas
Sent: Sunday, March 20, 2011 9:25 AM
To: Batkin, Joshua; Monninger, John; Coggins, Angela; Bradford, Anna; Loyd, Susan; Marshall, Michael; Montes, David; Pearson, Laura; Warren, Roberta; Pace, Patti; Dhir, Neha; Clark, Lisa; Fopma, Melody; Gibbs, Catina; Speiser, Herald
Subject: FW: Info from CA Briefing 20 March 2011
Attachments: March 20 one pager.doc

Additional info

Thomas Hipschman
Policy Advisor for Reactors
Office of Chairman Gregory B. Jaczko
301-415-1832

From: LIA01 Hoc
Sent: Sunday, March 20, 2011 9:15 AM
To: Andersen, James; Bates, Andrew; Brenner, Eliot; Bubar, Patrice; Camper, Larry; Castleman, Patrick; Chandrathil, Prema; Cheok, Michael; Dembek, Stephen; Doane, Margaret; Dricks, Victor; Franovich, Mike; Gott, William; Haney, Catherine; Hannah, Roger; Hart, Ken; Hayden, Elizabeth; Hipschman, Thomas; Howell, Linda; Jackson, Donald; Ledford, Joey; Lewis, Robert; Mamish, Nader; Marshall, Michael; Maupin, Cardelia; McConnell, Keith; Miller, Charles; Mitlyng, Viktoria; Moore, Scott; Nease, Rebecca; Nieh, Ho; Orders, William; Powell, Amy; Ramsey, Jack; Reddick, Darani; Reis, Terrence; Riemer, Kenneth; Screnci, Diane; Sheehan, Neil; Snodderly, Michael; Sollenberger, Dennis; Sosa, Belkys; Tschiltz, Michael; Uselding, Lara; Vietti-Cook, Annette; Whitney, James; McKenney, Christopher
Subject: Info from CA Briefing 20 March 2011

From: Jaczko, Gregory
Sent: Sunday, March 20, 2011 11:53 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Response - DOE coordination

From: Weber, Michael
Sent: Sunday, March 20, 2011 11:52:40 AM
To: Sheron, Brian
Cc: Borchardt, Bill; Wiggins, Jim; Jaczko, Gregory; Batkin, Joshua; FOIA Response.hoc Resource
Subject: Response - DOE coordination
Auto forwarded by a Rule

Thanks, Brian. Glad to have the assistance of our counterparts at DOE.

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

From: Sheron, Brian
To: Borchardt, Bill; Weber, Michael; Virgilio, Martin
Sent: Sun Mar 20 11:16:26 2011
Subject: FW: coordination

FYI. See the last sentence.

From: SCHU [SCHU@hq.doe.gov]
Sent: Sunday, March 20, 2011 11:06 AM
To: Adams, Ian; Aoki, Steven; Binkley, Steve; Bob Budnitz; Sheron, Brian; Brinkman, Bill; DAgostino, Thomas; Dick Garwin; Dick Garwin; Finck, Phillip; Grossenbacher, John (INL); Hurlbut, Brandon; John Holdren; Kelly, John E (NE); Koonin, Steven; Lyons, Peter; McFarlane, Harold; Owens, Missy; Per Peterson; Poneman, Daniel; Rolando Szilard; Steve Fetter; Poneman, Daniel
Subject: coordination

To all on the nuclear science group,

I have been reading with great interest the email exchanges.

We are also setting up a additional means of coordination of all the activities. Steve Aoki will the primary POC for the NNSA and NITOPS work (e.g. estimates of radioactive levels at the sources and their movement for each of the reactors and the spent fuel pools), Steve Binkley will be the POC for the nuclear science group and will be on the daily calls with NRC and other stakeholders. John Kelly will be the POC and coordinators with industry (e.g. INPO, GE, and others), efforts at Idaho, and NE at the DOE.

(b)(5)

Thank you for all of your efforts.

Steven Chu
Department of Energy

From: Jaczko, Gregory
Sent: Sunday, March 20, 2011 11:49 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Japan Follow-up

From: Borchardt, Bill
Sent: Sunday, March 20, 2011 11:49:21 AM
To: Jaczko, Gregory
Cc: Weber, Michael; Virgilio, Martin; Muesle, Mary; Andersen, James
Subject: RE: Japan Follow-up
Auto forwarded by a Rule

Chairman: will do

Mary: please have Jim and staff start on this.

From: Jaczko, Gregory
Sent: Sunday, March 20, 2011 11:37 AM
To: Borchardt, Bill
Subject: Fw: Japan Follow-up

Fyi. And can you draft up a tasking memo and a com that would accomplish each of these

From: Batkin, Joshua
To: Jaczko, Gregory
Sent: Sat Mar 19 18:50:50 2011
Subject: RE: Japan Follow-up

Chairman – attached is a revised version of Bill's plan that includes WCO/GEA language and WDM language.

Near Term Review:

- 90 day effort
- Evaluate currently available technical and operational information from the event to identify near term (or immediate) operational or regulatory issues affecting US operating reactors of all designs in areas such as protection against earthquake, tsunami, flooding, hurricanes; station blackout and a degraded ability to restore power; severe accident mitigation; and emergency preparedness.
- Develop recommendations for generic communications, orders, etc
- This would possibly include a 30 day quick look report
- Limited stakeholder involvement informed by, but independent of industry efforts
- Public report

Longer Term Review:

- Would start after we have sufficient technical information from Japan
- Evaluate all technical and policy issues to identify additional research, generic issues, changes to ROP, rulemakings, adjustments to the regulatory framework, etc that should be conducted by NRC
- Evaluate interagency issues (EP)
- Applicability to non-operating reactor facilities
- Substantive stakeholder involvement
- Public report

From: Batkin, Joshua
Sent: Sunday, March 20, 2011 1:01 PM
To: Wiggins, Jim
Cc: Pace, Patti
Subject: Re: Chairman briefings

Ok. Same content but briefed by the new team. Start at 315 today? Or a little later?

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

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

From: Wiggins, Jim
To: Batkin, Joshua
Sent: Sun Mar 20 11:59:56 2011
Subject: RE: Chairman briefings

Sounds like you want both the oncoming and offgoing ET Director to do the brief. My experience in the USN was to have one or the other.

I propose the oncoming Director conduct the brief shortly after the watch relief.

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

From: Batkin, Joshua
Sent: Sunday, March 20, 2011 11:30 AM
To: Wiggins, Jim; HOO Hoc
Cc: Virgilio, Martin; Weber, Michael; Borchardt, Bill; ET07 Hoc
Subject: Re: Chairman briefings

Yes, all three so he can stay tied in and have a feel for who's on duty. How about a high level overview of the status, the priorities for the outgoing shift and the priorities for the incoming one. Then he could jump off and you could do your more detailed shift turnover. Does that sound like a good structure and would those be the right times for something like that?

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

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

From: Wiggins, Jim
To: Batkin, Joshua; HOO Hoc
Cc: Virgilio, Martin; Weber, Michael; Borchardt, Bill; ET07 Hoc
Sent: Sun Mar 20 11:19:40 2011

Subject: RE: Chairman briefings

OK. Do you really want the Chairman called at 11:15pm by the oncoming mid-watch? Could do a 7:15am and 3:15pm call and disturb him later for noteworthy events/occurrences?

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

From: Batkin, Joshua

Sent: Sunday, March 20, 2011 10:18 AM

To: Wiggins, Jim; HOO Hoc

Cc: Virgilio, Martin; Weber, Michael; Borchardt, Bill

Subject: Chairman briefings

Can we please put in place short phone briefings for the Chairman around the time of ET shift turnovers? Maybe of the priorities for the next time period? Thank you

Joshua C. Batkin

Chief of Staff

Chairman Gregory B. Jaczko

(301) 415-1820

From: Jaczko, Gregory
Sent: Sunday, March 20, 2011 5:58 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: NYTimes story

From: Brenner, Eliot
Sent: Sunday, March 20, 2011 5:57:46 PM
To: Jaczko, Gregory
Cc: Batkin, Joshua; Loyd, Susan
Subject: NYTimes story
Auto forwarded by a Rule

Matt's story below ... Not bad.

Meanwhile, Steve Power pinged me about whether the USG was concerned about not seeing site radiation data from Tepco. I sought to disabuse him of that thought from my perspective of all the data I've seen flowing past me. Not sure where that grumbling, if that's what it is, might be coming from.

Eliot

March 20, 2011

Regulator Says Fuel Pools at U.S. Reactors Are Ready for Emergencies

By MATTHEW L. WALD and JOSEPH BERGER

WASHINGTON — The chairman of the Nuclear Regulatory Commission said Sunday morning that the spent fuel pools at American nuclear reactors are less vulnerable than the ones in Japan because of steps ordered by his agency after the attacks of Sept. 11, 2001, including having utilities prepare to use fire hoses to pump in extra water in the event ordinary cooling systems are knocked out.

Nuclear utilities were ordered to "identify and pre-stage equipment" that would be useful in such an emergency, according to commission officials. They have been reluctant to disclose details, because some preparations against terrorist attack are classified, but indicate that the preparation includes locating emergency generators, diesel-driven pumps, hoses and diesel fuel, as well as setting up procedures.

The chairman, Gregory Jaczko, said on the C-Span program "Newsmakers" that these preparations give an "extra sense of certainty" about the ability to withstand events beyond what the plant was designed for.

Also on Sunday morning, Energy Secretary Steven Chu, appearing on Fox News, indicated he remained confident in the safety of American plants. But he said the Nuclear Regulatory Commission, an independent agency, would revisit the issues after the problems in Japan.

He said Americans were "in no danger" and "it's unlikely they will be exposed to danger." He said the 23 American reactors that use the same Mark 1 design as was used in the Fukushima Daiichi Nuclear Power Station "are constantly being upgraded" to improve their safety.

Nevertheless, he said, officials will have to study whether a reactor like Indian Point, in Buchanan, N.Y., "should remain" and whether its evacuation plans are adequate given that millions of people live near the plant, which is 34 miles from Manhattan.

"It's an N.R.C. decision," he said. "But the N.R.C. will be looking at that, I'm sure, based on events. But again this is not to say that we believe that reactor is unsafe. We believe that reactor is safe."

Congress gave the job of regulating nuclear reactor safety to the Nuclear Regulatory Commission when it broke up the Atomic Energy Commission in the 1970s. The Energy Department got the job of promoting nuclear power. It is part of the American response to the Fukushima accident because it has extensive scientific and engineering capabilities as well as equipment used for monitoring, and because President Obama had designated Mr. Chu, who won a Nobel Prize in physics, as the government's point person on the accident.

Mr. Jaczko reiterated Sunday that the commission would learn all appropriate lessons and act as needed, once the facts became available.

The five-member commission is to meet Monday morning to receive a briefing from its staff about what is known and what is uncertain about events in Japan. Mr. Jaczko said the agency ought to wait until more information is in hand before taking action. "It's important for us to do this in a methodical way," he said.

He said, however, that a decision made by the commission a few days before the earthquake to approve a 20-year license extension for the Vermont Yankee nuclear plant, which is a near twin of the Fukushima Unit 1 design, was not affected by the events in Japan, even though the commission staff is still finishing the paperwork before issuing the license.

If information from Japan makes it advisable to order changes at Vermont Yankee or other plants, including those that are not approaching the end of their operating licenses, action will be ordered promptly, he said.

He also said he did not anticipate any delay in the commission's approval of new reactor designs or a permit for two new reactors in Georgia later this year. Mr. Jaczko said information from Japan should be in hand before the decisions on new plants and new designs are due.

The Nuclear Regulatory Commission has sent 11 experts to Tokyo. Mr. Jaczko said there were no immediate plans to send them to Fukushima Prefecture. They are assisting Japanese regulators and the utility that operates the Fukushima plant, the Tokyo Electric Power Company, from Tokyo, he said.

Mr. Jaczko briefed Mr. Obama on Wednesday about the commission's assessment of conditions in Japan. Based on those assessments, the United States recommended that Americans stay 50 miles from the stricken reactor complex. Japanese officials have ordered an evacuation out to 20 kilometers — about 12 miles — and told people out to 30 kilometers, 18 miles, to take shelter.

Mr. Jaczko told Congress last week that one of the spent fuel pools was dry or nearly dry, a very important development. A dry pool would give anyone within line of sight a huge radiation dose, and the fuel might melt and radiation-emitting materials might spread. Japanese officials, however, have cast doubt on the idea that the pool was ever dry.

Asked about this on Sunday, Mr. Jaczko said that he based his statement on the “best available information” and still believed it to be true, although he added that one part of the post-accident investigation should be to examine information flow. Initial information in an accident can turn out to be wrong, he said. In this case, loss of electric power shut down a lot of monitoring equipment at Fukushima, he said. And general accident conditions do not always lend themselves to good information flow. “There’s a reason they call it a catastrophe,” he said.

Matthew L. Wald reported from Washington, and Joseph Berger from New York.

From: Google Alerts [mailto:googlealerts-noreply@google.com]

Sent: Sunday, March 20, 2011 5:37 PM

To: Brenner, Eliot

Subject: Google Alert - jaczko

News

1 new result for jaczko

Nuclear Agency Chairman Says US Reactors Are Ready for Emergencies

New York Times

The chairman, Gregory Jaczko, said on the C-Span program “Newsmakers” that these preparations give an “extra sense of certainty” about the ability to withstand events beyond what the plant was designed for. Also on Sunday morning, Energy Secretary ...

[See all stories on this topic »](#)

Tip: Use a minus sign (-) in front of terms in your query that you want to exclude. [Learn more.](#)

[Remove](#) this alert.

[Create](#) another alert.

[Manage](#) your alerts.

From: Jaczko, Gregory
Sent: Sunday, March 20, 2011 6:23 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: profiles

From: Brenner, Eliot
Sent: Sunday, March 20, 2011 6:22:48 PM
To: Jaczko, Gregory; Batkin, Joshua
Subject: profiles
Auto forwarded by a Rule

Whew. I was able to pull Bloomberg back. Understanding that you did not want to talk for profiles (but did not explicitly tell me not to help them at all), I did talk on background about NRC programs with the CQ reporter, spoke on background with her about how well you synthesize information and pointed her to NEI's backtracking on criticism of the 50-mile limit without saying anything about how that happened. Not a chance I can roll all that back up ... but I got the message.

Eliot

From: Coggins, Angela
Sent: Sunday, March 20, 2011 10:04 PM
To: Pace, Patti; Speiser, Herald
Cc: Batkin, Joshua
Subject: Fw: draft COM and Items for Agenda Planning

For 8:30:

- Bill, regarding the long term tasking on lessons learned from the Japan event, what do you think a realistic time frame might be to think we would have enough information to begin the long term review efforts?

-
Angela Coggins
Policy Director
Office of Chairman Gregory B Jaczko
US Nuclear Regulatory Commission
angela.coggins@nrc.gov/301-415-1828

From: Jaczko, Gregory
To: Batkin, Joshua; Coggins, Angela
Sent: Sun Mar 20 21:31:12 2011
Subject: Fw: draft COM and Items for Agenda Planning

put this on my 8:30 to talk to bill about timing

From: Ostendorff, William
To: Magwood, William; Jaczko, Gregory; Apostolakis, George; Svinicki, Kristine
Sent: Sun Mar 20 21:25:15 2011
Subject: Re: draft COM and Items for Agenda Planning

(b)(5)

From: Magwood, William
To: Jaczko, Gregory; Apostolakis, George; Svinicki, Kristine; Ostendorff, William
Sent: Sun Mar 20 20:57:21 2011
Subject: Re: draft COM and Items for Agenda Planning

Greg,

(b)(5)

(b)(5)

Thanks,
Bill

From: Jaczko, Gregory
To: Apostolakis, George; Magwood, William; Svinicki, Kristine; Ostendorff, William
Sent: Sun Mar 20 19:44:26 2011
Subject: Fw: draft COM and Items for Agenda Planning

Hi all - please see below.

From: Greg Jaczko (b)(6)
To: Jaczko, Gregory
Sent: Sun Mar 20 19:42:07 2011
Subject: draft COM and Items for Agenda Planning

Attached are 3 items I hope will facilitate our discussion at tomorrow's agenda planning meeting and open meeting. First, you'll find a draft COM, that I would like to issue tomorrow, which lays out a plan for us to task the staff to address the events in Japan with both near and long term actions. Next, is a meeting list which lays out by week a proposed new calendar for the next 3 months and identifies where I've recommended some additional meetings or recommended moving around some of our existing meetings. The final item is a spreadsheet of the voting items that were on our priority list through June with some recommendations for modification to the prioritization of some of those items.

I would appreciate any thoughts you have on the draft com tonight. If there are simple tweaks that could facilitate more timely decision, let me know. The COM is basically what I emailed y'all yesterday incorporating some feedback i've received. I then tried to make it a more readable is all.

Proposed New Meeting Schedule

Items in **Bold** are Newly Proposed or Moved Meetings

Items in *Italics* are Currently Planned Meetings

(b)(5)

Chairman's Recommended Changes to Priorities Through June 2011
(Bolded items are items where changes are recommended)

Topic	Notation Paper	Affirmation Paper	Due to Commission Date	Commission Action on Paper in	Recommendation
-------	-------------------	----------------------	------------------------------	-------------------------------------	----------------

(b)(5)

Topic	Notation Paper	Affirmation Paper	Due to Commission Date	Commission Action on Paper in	Recommendation
(b)(5)					

Topic	Notation Paper	Affirmation Paper	Due to Commission Date	Commission Action on Paper in	Recommendation
(b)(5)					

DRAFT

DRAFT

DRAFT

(b)(5)

(b)(5)

From: Angela B. Coggins (b)(6)
Sent: Sunday, March 20, 2011 11:31 PM
To: Coggins, Angela
Cc: Pace, Patti
Subject: Talking points for agenda planning tomorrow
Attachments: Talking Points for Post Japan Event Agenda Planning Session.doc

Patti, can you print these out and put them in a decent font size etc for the Chairman's agenda planning session tomorrow (put them on top of the three docs I sent you last night). Thanks!!

Talking Points for Post Japan Event Agenda Planning Session

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

From: Angela Coggins <(b)(6)>
Sent: Sunday, March 20, 2011 11:57 PM
To: Pace, Patti; Speiser, Herald
Cc: Batkin, Joshua; Bradford, Anna; Coggins, Angela
Subject: Talking Points for agenda planning
Attachments: Talking Points for Post Japan Event Agenda Planning Session.doc

Patti or Herald, whoever gets in first, could you print these out and put them on top of the other three docs for agenda planning (the com, the one pager on proposed meetings, and the spreadsheet on papers)? And make sure they are in a good font size, etc, too? Thanks so much!!

Angela

From: Jaczko, Gregory
Sent: Monday, March 21, 2011 5:35 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: PMT Position on Expansion of Protective Actions for US Citizens Beyond the Current 50 Mile Evacuation Recommendation
Attachments: PMT Position on Expansion of Protective Actions for US Citizens Beyond the Current 50 Mile Evacuation Recommendation.docx
Importance: High

From: Hoc, PMT12
Sent: Monday, March 21, 2011 5:33:59 AM
To: Jaczko, Gregory
Cc: Batkin, Joshua; Coggins, Angela; Borchardt, Bill; Weber, Michael; Casto, Chuck; Dorman, Dan
Subject: PMT Position on Expansion of Protective Actions for US Citizens Beyond the Current 50 Mile Evacuation Recommendation
Importance: High
Auto forwarded by a Rule

Mr. Chairman,

Attached is the staff's position on the expansion of protective actions, for your 8AM meeting.

**PMT Position on Expansion of Protective Actions for US Citizens Beyond the Current 50 Mile
Evacuation Recommendation**

(b)(5)

(b)(5)

JOINT EPA/DOE STATEMENT: Radiation Monitors Confirm That No Radiation Levels of Concern Have Reached the United States

Release date: 03/18/2011

Contact Information: NEWS MEDIA CONTACT FOR EPA: press@epa.gov, 202-564-6794 / NEWS MEDIA CONTACT FOR DEPARTMENT OF ENERGY: (202) 586-4940

UPDATED – (please note differences in what was detected in Washington State and California)

WASHINGTON – The United States Government has an extensive network of radiation monitors around the country and no radiation levels of concern have been detected. The U.S. Environmental Protection Agency RadNet system is designed to protect the public by notifying scientists, in near real time, of elevated levels of radiation so they can determine whether protective action is required. The EPA's system has not detected any radiation levels of concern.

In addition to EPA's RadNet system, the U.S. Department of Energy has radiation monitoring equipment at research facilities around the country, which have also not detected any radiation levels of concern.

As part of the Comprehensive Nuclear Test Ban Treaty Organization's International Monitoring System (IMS), the Department of Energy also maintains the capability to detect tiny quantities of radioisotopes that might indicate an underground nuclear test on the other side of the world. These detectors are extremely sensitive and can detect minute amounts of radioactive materials.

Today, one of the monitoring stations in Sacramento, California that feeds into the IMS detected miniscule quantities of iodine isotopes and other radioactive particles that pose no health concern at the detected levels. Collectively, these levels amount to a level of approximately 0.0002 disintegrations per second per cubic meter of air (0.2 mBq/m³). Specifically, the level of Iodine-131 was 0.165 mBq/m³, the level of Iodine-132 was measured at 0.03 mBq/m³, the level of Tellurium-132 was measured at 0.04 mBq/m³, and the level of Cesium-137 was measured at 0.002 mBq/m³.

Similarly, between March 16 and 17, a detector at the Department of Energy's Pacific Northwest National Laboratory in Washington State detected trace amounts of Xenon-133, which is a radioactive noble gas produced during nuclear fission that poses no concern at the detected level. The levels detected were approximately 0.1 disintegrations per second per cubic meter of air (100 mBq/m³),

The doses received by people per day from natural sources of radiation - such as rocks,

bricks, the sun and other background sources - are 100,000 times the dose rates from the particles and gas detected in California or Washington State.

These types of readings remain consistent with our expectations since the onset of this tragedy, and are to be expected in the coming days.

Following the explosion of the Chernobyl plant in Ukraine in 1986 – the worst nuclear accident in world history – air monitoring in the United States also picked up trace amounts of radioactive particles, less than one thousandth of the estimated annual dose from natural sources for a typical person.

As part of the federal government's continuing effort to make our activities and science transparent and available to the public, the Environmental Protection Agency will continue to keep all RadNet data available in the current online database.

Please see <http://www.epa.gov/japan2011> for more information.

From: Jaczko, Gregory
Sent: Monday, March 21, 2011 8:58 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: PMT Position on Expansion of Protective Actions for US Citizens Beyond the Current 50 Mile Evacuation Recommendation
Attachments: PMT Position on Expansion of Protective Actions for US Citizens Beyond the Current 50 Mile Evacuation Recommendation.docx
Importance: High

From: Hoc, PMT12
Sent: Monday, March 21, 2011 8:57:30 AM
To: Jaczko, Gregory
Cc: Carpenter, Cynthia; Lewis, Robert; Ordaz, Vonna; Camper, Larry; Holahan, Patricia; Miller, Charles; Gibson, Kathy; Sullivan, Randy; Jones, Cynthia; Reis, Terrence; Cool, Donald; Holahan, Vincent; Milligan, Patricia; Tappert, John; Lui, Christiana; Lubinski, John; Coe, Doug; Zimmerman, Roy; Wiggins, Jim; Sheron, Brian; Johnson, Michael; Virgilio, Martin; Weber, Michael; Boger, Bruce; Batkin, Joshua; Coggins, Angela; Borchardt, Bill; Weber, Michael; Casto, Chuck; Dorman, Dan; Hoc, PMT12
Subject: FW: PMT Position on Expansion of Protective Actions for US Citizens Beyond the Current 50 Mile Evacuation Recommendation
Importance: High
Auto forwarded by a Rule

Mr. Chairman,

We sent you the attached previously and will update it with the following information. However, we wanted to ensure you received the following as soon as possible:

With regard to the 1E-7 uCi/ml reading at a military installation 90 miles SW of the Fukushima Plant, we understand this was 1 of 23 samples taken 2035 jst 3/20 through 0315 jst 3/21. The remaining samples and follow up samples were below minimum detectable. Therefore, it would not be unreasonable that this is an inaccurate sample/count.

While the initial report stated the 1E-7 uCi/ml reading was for radioactivity (possibly just radioactive iodine), the most recent gamma analysis performed and provided by Naval Reactors on the sample indicates the I-131 concentration is 2.67E-10 uCi/ml.

If one were to assume this is an accurate sample, one should consider the wind and plant conditions. From 3/20 til approximately 0001 jst 3/21, the wind at the plant was from the west/northwest. It shifted around 0001 jst 3/21 to coming from the north at around 5 mph. Our understanding is that the plant conditions with respect to any releases since approximately 3/15 would have been predominantly from spent fuel pools. Therefore, if this material came from the plant, it most likely would have been generated prior to 3/15. It could have generated from a spent fuel pool or from one of the reactors when venting was occurring. We believe reactor venting is no longer occurring.

From: Hoc, PMT12

Sent: Monday, March 21, 2011 5:42 AM

To: Zimmerman, Roy; Wiggins, Jim; Sheron, Brian; Johnson, Michael; Virgilio, Martin; Weber, Michael; Boger, Bruce
Cc: Carpenter, Cynthia; Lewis, Robert; Ordaz, Vonna; Camper, Larry; Holahan, Patricia; Miller, Charles; Gibson, Kathy; Sullivan, Randy; Jones, Cynthia; Reis, Terrence; Cool, Donald; Holahan, Vincent; Milligan, Patricia; Tappert, John; Lui, Christiana; Lubinski, John; Coe, Doug

Subject: FW: PMT Position on Expansion of Protective Actions for US Citizens Beyond the Current 50 Mile Evacuation Recommendation

Importance: High

Attached is the staff's position on consideration for further protective actions for US citizens based on radiological information received from military assets in Japan.

From: Hoc, PMT12

Sent: Monday, March 21, 2011 5:34 AM

To: Jaczko, Gregory

Cc: Batkin, Joshua; Coggins, Angela; Borchardt, Bill; Weber, Michael; Casto, Chuck; Dorman, Dan

Subject: PMT Position on Expansion of Protective Actions for US Citizens Beyond the Current 50 Mile Evacuation Recommendation

Importance: High

Mr. Chairman,

Attached is the staff's position on the expansion of protective actions, for your 8AM meeting.

From: Jaczko, Gregory
Sent: Monday, March 21, 2011 9:36 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Press Release: Prepared Remarks for Commission Meeting Monday, March 21, 2011
Attachments: 11-054.docx

From: OPA Resource
Sent: Monday, March 21, 2011 9:36:12 AM
To: Ash, Darren; Barkley, Richard; Batkin, Joshua; Bell, Hubert; Belmore, Nancy; Bergman, Thomas; Bollwerk, Paul; Bonaccorso, Amy; Borchardt, Bill; Bozin, Sunny; Brenner, Eliot; Brock, Terry; Brown, Boris; Bubar, Patrice; Burnell, Scott; Burns, Stephen; Carpenter, Cynthia; Chandrathil, Prema; Clark, Theresa; Collins, Elmo; Couret, Ivonne; Crawford, Carrie; Cutler, Iris; Dacus, Eugene; Dapas, Marc; Davis, Roger; Dean, Bill; Decker, David; Dricks, Victor; Droggitis, Spiros; Flory, Shirley; Franovich, Mike; Gibbs, Catina; Haney, Catherine; Hannah, Roger; Harbuck, Craig; Harrington, Holly; Hasan, Nasreen; Hayden, Elizabeth; Holahan, Gary; Holahan, Patricia; Holian, Brian; Jacobssen, Patricia; Jaczko, Gregory; Jasinski, Robert; Jenkins, Verlyn; Johnson, Michael; Jones, Andrea; Kock, Andrea; Kotzalas, Margie; Ledford, Joey; Lee, Samson; Leeds, Eric; Lepre, Janet; Lew, David; Lewis, Antoinette; Loyd, Susan; Magwood, William; McCrary, Cheryl; McGrady-Finneran, Patricia; McIntyre, David; Mensah, Tanya; Mitlyng, Viktoria; Monninger, John; Montes, David; Nieh, Ho; Ordaz, Vonna; Ostendorff, William; Owen, Lucy; Powell, Amy; Quesenberry, Jeannette; Reddick, Darani; Regan, Christopher; Reyes, Luis; Riddick, Nicole; RidsSecyMailCenter Resource; Riley (OCA), Timothy; Rohrer, Shirley; Samuel, Olive; Satorius, Mark; Schaaf, Robert; Schmidt, Rebecca; Scott, Catherine; Screnci, Diane; Shaffer, Vered; Shane, Raeann; Sharkey, Jeffry; Sheehan, Neil; Sheron, Brian; Siurano-Perez, Osiris; Steger (Tucci), Christine; Svinicki, Kristine; Tabatabai, Omid; Tannenbaum, Anita; Taylor, Renee; Temp, WDM; Thomas, Ann; Uhle, Jennifer; Uselding, Lara; Vietti-Cook, Annette; Virgilio, Martin; Virgilio, Rosetta; Walker-Smith, Antoinette; Weaver, Doug; Weber, Michael; Weil, Jenny; Werner, Greg; Wiggins, Jim; Williams, Evelyn; Zimmerman, Roy; Zorn, Jason
Subject: Press Release: Prepared Remarks for Commission Meeting Monday, March 21, 2011
Auto forwarded by a Rule

For immediate release and posting.

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



NRC NEWS

U.S. NUCLEAR REGULATORY COMMISSION

Office of Public Affairs Telephone: 301/415-8200

Washington, D.C. 20555-0001

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

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

No. 11-054

March 21, 2011

PREPARED REMARKS FOR COMMISSION MEETING MONDAY, MARCH 21, 2011

Good morning. The Commission meets today to discuss the tragic events in Japan and consider possible actions we may take to verify the safety of the nuclear facilities that we regulate in the United States. This meeting will—without a doubt—be one of the most heavily watched meetings in the history of this agency.

People across the country and around the world who have been touched by the magnitude and scale of this disaster are closely following the events in Japan, and the repercussions in this country and in many other countries. I would first like to offer my condolences to all those who have been affected by the earthquake and tsunami in Japan. Our hearts go out to all who have been dealing with the aftermath of these natural disasters, and we are mindful of the long and difficult road they will face in recovering. We know that the people of Japan are resilient and strong, and we have every confidence that they will come through this difficult time and move forward, with resolve, to rebuild their vibrant country.

I believe I speak for all Americans when I say that we stand together with the people of Japan at this most difficult and challenging time. The NRC is a relatively small agency, with approximately 4000 staff, but we play a critical role in protecting the American people and the environment. We have inspectors who work full-time at every nuclear plant in the country, and we are proud to have world-class scientists, engineers and professionals representing nearly every discipline.

Since Friday, March 11, when the earthquake and tsunami struck, the NRC's headquarters Operations Center has been operating on a 24-hour basis to monitor and analyze events at nuclear power plants in Japan. At the request of the Japanese government, and through the United States Agency for International Development (USAID), the NRC sent a team of its technical experts to provide on-the-ground support, and we have been in continual contact with them. And, within the United States, the NRC has been working closely with other Federal agencies as part of our government's response to the situation.

We have a responsibility to the American people to undertake a systematic and methodical review of the safety of our own domestic nuclear facilities, in light of the natural disaster and the resulting nuclear emergency in Japan. Beginning to examine all available

information is an essential part of our effort to analyze the event and understand its impact on Japan and implications for the United States. Our focus is always on keeping plants and radioactive materials in this country safe and secure.

As this immediate crisis in Japan comes to an end, we will look at any information we can gain from the event and see if there are changes we need to make, to further protect the public. Together with my colleagues on the Commission, we will review the current status and identify the steps we will take to conduct that review. In the meantime, we will continue to oversee and monitor plants to ensure that U. S. reactors remain safe.

On behalf of the Commission, I want to thank all of our staff for maintaining their focus on our essential safety and security mission throughout these difficult days. I want to acknowledge their tireless efforts and their critical contributions to the U.S. response to assist Japan. In spite of the evolving situation, the long hours, and the intensity of efforts over the past week, staff has approached their responsibilities with dedication, determination and professionalism, and I am incredibly proud of their efforts.

The American people also can be proud of the commitment and dedication within the Federal workforce, which is exemplified by our staff every day. Before we begin our meeting with Mr. Borchardt's presentation, would any of my fellow Commissioners like to make opening comments?

###

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

From: Wright, Darlene
Sent: Monday, March 21, 2011 11:30 AM
To: Baggett, Steven; Batkin, Joshua; Blake, Kathleen; Bozin, Sunny; Bradford, Anna; Bubar, Patrice; Bupp, Margaret; Chairman Temp; Clark, Lisa; Coggins, Angela; Cordes, John; Crawford, Carrie; Davis, Roger; Fopma, Melody; Franovich, Mike; Gibbs, Catina; Hart, Ken; Harves, Carolyn; Herr, Linda; Hipschman, Thomas; KLS Temp; Kock, Andrea; Lepre, Janet; Loyd, Susan; Mamish, Nader; Marshall, Michael; Monninger, John; Orders, William; Pace, Patti; Poole, Brooke; Reddick, Darani; Laufer, Richard; Bovol, Rochelle; Rothschild, Trip; Savoy, Carmel; Sharkey, Jeffry; Shea, Pamela; Snodderly, Michael; Sosa, Belkys; Speiser, Herald; Svinicki, Kristine; Temp, WCO; Temp, WDM; Thoma, John; Warren, Roberta; Zorn, Jason; Apostolakis, George; Temp, GEA; Tadesse, Rebecca; Castleman, Patrick; Montes, David; Dhir, Neha; Adler, James; Jimenez, Patricia; Muesle, Mary; Nieh, Ho; Ostendorff, William; Warnick, Greg; Pearson, Laura; Lui, Christiana; Lisann, Elizabeth
Cc: Lewis, Antoinette
Subject: VOTE SHEET FOR COMGBJ-11-0002 (NRC Actions Following the Events in Japan))
Attachments: xxx-cmt-CmGBJ11-0002.doc

Please save the attached Word file for use in voting on the subject paper. In saving the file, be sure to replace the XXX with your Commissioner's initials and insert the Commissioner's name in the document. Upon completion of the vote, be sure to insert the date and the /RA/.

The ADAMS Accession # for the SECY is unavailable at this time.

RESPONSE SHEET

TO: Annette Vietti-Cook, Secretary

FROM:

SUBJECT: COMGBJ-11-0002 – NRC ACTIONS FOLLOWING THE
EVENTS IN JAPAN

Approved _____ Disapproved _____ Abstain _____

Not Participating _____

COMMENTS: Below ____ Attached ____ None ____

SIGNATURE

DATE

Entered on "STARS" Yes ____ No ____

From: Jaczko, Gregory
Sent: Monday, March 21, 2011 12:37 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: PMT Position on Expansion of Protective Actions for US Citizens Beyond the Current 50 Mile Evacuation Recommendation
Attachments: PMT Position on Expansion of Protective Actions for US Citizens Beyond the Current 50 Mile Evacuation Recommendation.docx
Importance: High

From: PMT09 Hoc
Sent: Monday, March 21, 2011 12:36:37 PM
To: Jaczko, Gregory
Cc: Carpenter, Cynthia; Lewis, Robert; Ordaz, Vonna; Camper, Larry; Holahan, Patricia; Miller, Charles; Gibson, Kathy; Sullivan, Randy; Jones, Cynthia; Reis, Terrence; Cool, Donald; Holahan, Vincent; Milligan, Patricia; Tappert, John; Lui, Christiana; Lubinski, John; Coe, Doug; Zimmerman, Roy; Wiggins, Jim; Sheron, Brian; Johnson, Michael; Virgilio, Martin; Weber, Michael; Boger, Bruce; Batkin, Joshua; Coggins, Angela; Borchardt, Bill; Weber, Michael; Casto, Chuck; Dorman, Dan; Hoc, PMT12
Subject: FW: PMT Position on Expansion of Protective Actions for US Citizens Beyond the Current 50 Mile Evacuation Recommendation
Importance: High
Auto forwarded by a Rule

Mr. Chairman,

Attached is the latest update of the PMT position on expansion of protective actions for US Citizens.

From: Hoc, PMT12
Sent: Monday, March 21, 2011 8:58 AM
To: Jaczko, Gregory
Cc: Carpenter, Cynthia; Lewis, Robert; Ordaz, Vonna; Camper, Larry; Holahan, Patricia; Miller, Charles; Gibson, Kathy; Sullivan, Randy; Jones, Cynthia; Reis, Terrence; Cool, Donald; Holahan, Vincent; Milligan, Patricia; Tappert, John; Lui, Christiana; Lubinski, John; Coe, Doug; Zimmerman, Roy; Wiggins, Jim; Sheron, Brian; Johnson, Michael; Virgilio, Martin; Weber, Michael; Boger, Bruce; Batkin, Joshua; Coggins, Angela; Borchardt, Bill; Weber, Michael; Casto, Chuck; Dorman, Dan; Hoc, PMT12
Subject: FW: PMT Position on Expansion of Protective Actions for US Citizens Beyond the Current 50 Mile Evacuation Recommendation
Importance: High

Mr. Chairman,

We sent you the attached previously and will update it with the following information. However, we wanted to ensure you received the following as soon as possible:

With regard to the 1E-7 uCi/ml reading at a military installation 90 miles SW of the Fukushima Plant, we understand this was 1 of 23 samples taken 2035 jst 3/20 through 0315 jst 3/21. The remaining samples and follow up samples were below minimum detectable. Therefore, it would not be unreasonable that this is an inaccurate sample/count.

While the initial report stated the 1E-7 uCi/ml reading was for radioactivity (possibly just radioactive iodine), the most recent gamma analysis performed and provided by Naval Reactors on the sample indicates the I-131 concentration is 2.67E-10 uCi/ml.

If one were to assume this is an accurate sample, one should consider the wind and plant conditions. From 3/20 til approximately 0001 jst 3/21, the wind at the plant was from the west/northwest. It shifted around 0001 jst 3/21 to coming from the north at around 5 mph. Our understanding is that the plant conditions with respect to any releases since approximately 3/15 would have been predominantly from spent fuel pools. Therefore, if this material came from the plant, it most likely would have been generated prior to 3/15. It could have generated from a spent fuel pool or from one of the reactors when venting was occurring. We believe reactor venting is no longer occurring.

From: Hoc, PMT12

Sent: Monday, March 21, 2011 5:42 AM

To: Zimmerman, Roy; Wiggins, Jim; Sheron, Brian; Johnson, Michael; Virgilio, Martin; Weber, Michael; Boger, Bruce

Cc: Carpenter, Cynthia; Lewis, Robert; Ordaz, Vonna; Camper, Larry; Holahan, Patricia; Miller, Charles; Gibson, Kathy; Sullivan, Randy; Jones, Cynthia; Reis, Terrence; Cool, Donald; Holahan, Vincent; Milligan, Patricia; Tappert, John; Lui, Christiana; Lubinski, John; Coe, Doug

Subject: FW: PMT Position on Expansion of Protective Actions for US Citizens Beyond the Current 50 Mile Evacuation Recommendation

Importance: High

Attached is the staff's position on consideration for further protective actions for US citizens based on radiological information received from military assets in Japan.

From: Hoc, PMT12

Sent: Monday, March 21, 2011 5:34 AM

To: Jaczko, Gregory

Cc: Batkin, Joshua; Coggins, Angela; Borchardt, Bill; Weber, Michael; Casto, Chuck; Dorman, Dan

Subject: PMT Position on Expansion of Protective Actions for US Citizens Beyond the Current 50 Mile Evacuation Recommendation

Importance: High

Mr. Chairman,

Attached is the staff's position on the expansion of protective actions, for your 8AM meeting.

From: Hipschman, Thomas
Sent: Monday, March 21, 2011 1:31 PM
To: Coggins, Angela; Batkin, Joshua
Cc: Bradford, Anna; Marshall, Michael
Subject: RE: draft agenda for Japan support government/industry consortium conference calls for review and comment

Looks OK to me. Gets to the Chairman's interest on who is the lead. I understand he is no longer participating in the 2pm call

Thomas Hipschman
Policy Advisor for Reactors
Office of Chairman Gregory B. Jaczko
301-415-1832

From: LIA09 Hoc
Sent: Monday, March 21, 2011 12:10 PM
To: Coggins, Angela; Batkin, Joshua; Hipschman, Thomas
Cc: LIA06 Hoc; LIA08 Hoc
Subject: draft agenda for Japan support government/industry consortium conference calls for review and comment

Lady and Gentlemen,

Attached is a very draft agenda for today's teleconference with other agencies, INPO, and industry contacts to continue to discuss and coordinate actions to provide assistance to Japan. The agenda includes

(b)(5)

Mike Weber, ET

Director, wanted me to send this to you all for review and comment before sending it to other participants. Please send comments back to me as soon as you can.

Thank you,

Mark Lombard, Deputy Director
Liaison Team
NRC Operations Center

From: Jaczko, Gregory
Sent: Monday, March 21, 2011 1:41 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Commissioner Ostendorff's VOTE FOR COMGBJ-11-0002 (NRC Actions Following the Events in Japan)
Attachments: WCO-COMGBJ-11-0002 vote.pdf

From: Speiser, Herald
Sent: Monday, March 21, 2011 1:40:51 PM
To: Jaczko, Gregory
Subject: FW: Commissioner Ostendorff's VOTE FOR COMGBJ-11-0002 (NRC Actions Following the Events in Japan)
Auto forwarded by a Rule

From: Bozin, Sunny
Sent: Monday, March 21, 2011 1:36 PM
To: Wright, Darlene; Baggett, Steven; Batkin, Joshua; Blake, Kathleen; Bradford, Anna; Bubar, Patrice; Bupp, Margaret; Chairman Temp; Clark, Lisa; Coggins, Angela; Cordes, John; Crawford, Carrie; Davis, Roger; Fopma, Melody; Franovich, Mike; Gibbs, Catina; Hart, Ken; Harves, Carolyn; Herr, Linda; Hipschman, Thomas; KLS Temp; Kock, Andrea; Lepre, Janet; Loyd, Susan; Mamish, Nader; Marshall, Michael; Monninger, John; Orders, William; Pace, Patti; Poole, Brooke; Reddick, Darani; Laufer, Richard; Baval, Rochelle; Rothschild, Trip; Savoy, Carmel; Sharkey, Jeffry; Shea, Pamela; Snodderly, Michael; Sosa, Belkys; Speiser, Herald; Svinicki, Kristine; Temp, WCO; Temp, WDM; Thoma, John; Warren, Roberta; Zorn, Jason; Apostolakis, George; Temp, GEA; Tadesse, Rebecca; Castleman, Patrick; Montes, David; Dhir, Neha; Adler, James; Jimenez, Patricia; Muessle, Mary; Nieh, Ho; Ostendorff, William; Warnick, Greg; Pearson, Laura; Lui, Christiana; Lisann, Elizabeth
Cc: Lewis, Antoinette
Subject: Commissioner Ostendorff's VOTE FOR COMGBJ-11-0002 (NRC Actions Following the Events in Japan)

Commissioner Ostendorff's vote is attached.

From: Loyd, Susan
Sent: Monday, March 21, 2011 5:05 PM
To: Batkin, Joshua; Bradford, Anna; Clark, Lisa; Coggins, Angela; Fopma, Melody; Gibbs, Catina; Hipschman, Thomas; Loyd, Susan; Marshall, Michael; Monninger, John; Montes, David; Pace, Patti; Speiser, Herald; Warren, Roberta; Adler, James; Dhir, Neha
Subject: Bloomberg News Article
Attachments: Jaczko.Bloomberg.3.21.11.docx

I had to share this article with you, as it just came out and it's excellent!

Susan K. Loyd
Communications Director
Office of the Chairman
U.S. Nuclear Regulatory Commission
Tele: 301-415-1838
Susan.Loyd@nrc.gov

Bloomberg

Jaczko's Call on Fukushima Radiation Plucks U.S. Regulator From Obscurity

By Jim Efstathiou Jr. and Simon Lomax - Mar 21, 2011

Investors seeking some direction on the potential severity of Japan's nuclear crisis got it from a person most probably hadn't heard of until last week.

"We believe that the secondary containment has been destroyed and there is no water in the spent-fuel pool," Gregory Jaczko, chairman of the U.S. Nuclear Regulatory Commission, said at a congressional hearing on March 16. "We believe that radiation levels are extremely high."

Stocks fell from the U.S. to Russia, with the Standard & Poor's 500 Index ending the day down 2 percent. Currencies including the Australian dollar and Indonesian rupiah also fell, along with crude oil and copper. Market commentaries for an array of investments cited Jaczko's remarks.

Japan's nuclear crisis has thrust the agency that regulates U.S. atomic power plants into the spotlight. Policy makers and financial markets alike are listening to its chairman, a 40-year-old native of upstate New York who associates say has been one of the most aggressive advocates of nuclear safety on the five-member commission.

Some lawmakers "probably might have had trouble telling you what NRC stood for" before the crisis in Japan, said Kevin Cook, a former senior Republican aide on the House Appropriations Committee. "Now it's taken a much higher profile," Cook, now a Prescott, Arizona-based energy consultant, said in an interview.

Fifty Miles

On the same day he testified to Congress, Jaczko briefed President Barack Obama on conditions at the Fukushima Dai-Ichi nuclear plant. Based on his assessments, the U.S. Embassy in Japan ordered that American citizens stay 50 miles (80 kilometers) from the reactor complex. Japanese officials had ordered an evacuation to about 12 miles away.

While the Associated Press said Japanese officials denied that the cooling pond at one of the reactors had dried up, a condition that could cause spent fuel rods to ignite and release radiation, Jaczko stood by his comments then, and again yesterday on C-Span.

"I really can't say that I have views on nuclear power or the nuclear industry," he said. "I have views on nuclear safety." His conclusion was based on reports from NRC experts on the scene, he said.

Attention on Jaczko and his commission will continue this week, starting with a public briefing on Japan today at the agency's headquarters in Rockville, Maryland, north of downtown Washington. Hearings are scheduled on reactor safeguards on March 24.

No 'Stern Taskmaster'

The crisis at the Japan plant may be "on the verge of stabilizing," Bill Borchardt, the NRC's executive director of operations, said at today's briefing.

The NRC, created by Congress to regulate nuclear safety in 1974, hasn't been as vigilant as its chairman might wish, said Representative Dennis Kucinich, an Ohio Democrat.

"He impresses me as someone who wants to do the right thing and of course the NRC has a tradition of not so much being a stern taskmaster of the industry," Kucinich said.

Jaczko, who declined through a spokesman to be interviewed, was nominated to the NRC in 2005 by President George W. Bush and named chairman by President Barack Obama in 2009. He earned a bachelor's degree in physics and philosophy at Cornell University in Ithaca, New York, before completing a doctorate in physics at the University of Wisconsin at Madison, according to the NRC.

Before joining the NRC, Jaczko was science adviser to current Senate Majority Leader Harry Reid, a Nevada Democrat, and worked for Representative Edward Markey, a Massachusetts Democrat and critic of nuclear power.

Losing Side

Jaczko has been on the losing side of NRC votes to strengthen safety measures, said Edwin Lyman, a physicist and expert on nuclear plant design at the Cambridge, Massachusetts- based Union of Concerned Scientists.

Greater exposure as a result of the crisis in Japan may translate into more pressure from Congress as the NRC prepares to rule on new nuclear reactor designs this year, Lyman said.

Last year, Jaczko ordered the NRC's staff to stop considering a proposed nuclear waste repository at Yucca Mountain, Nevada, a move that angered Republican lawmakers who say he overstepped his authority. Reid, Jaczko's former boss, was a vocal critic of the Yucca Mountain plan.

The NRC is "under tremendous pressure on the Hill as well as from industry to accelerate licensing actions," Lyman said yesterday on a conference call with reporters.

Quake, Tsunami

Jaczko said on C-Span yesterday that the NRC should be able to complete its review of failures at the crippled Fukushima plant before reaching a decision on new reactor licenses in the U.S. He compared the commission's work to its review of security measures at nuclear plants after the Sept. 11 terrorist attacks, which led to a requirement that operators add backup equipment to cool reactors and spent fuel pools.

"We think we have programs in place that would deal with the kinds of situations that we're seeing in Japan," he said on C-Span.

The crisis at the Fukushima plant began after it was struck March 11 by an earthquake and tsunami. The natural disasters knocked out backup generators needed to power systems to keep cool reactor fuel and spent nuclear fuel stored on site.

There are about 100 similar storage pools at about 60 sites in the U.S., said Robert Alvarez, a senior scholar at the Institute for Policy Studies and a former policy adviser to the U.S. Energy Department.

Major Test

A major test of the NRC will be how the agency addresses the issue of spent fuel storage, Alvarez said. Jaczko, who Alvarez characterized as "a straight shooter," may end up in the minority, he said.

"Even though he's chairman, there are other commissioners and he's just one vote," Alvarez said in an interview. "In order to fill seats on that commission, you have to get the OK from the nuclear industry."

Nuclear plant operators had misgivings about Jaczko when he joined the NRC and then became chairman, Kai Anderson, who served with Jaczko on Reid's staff, said in an interview. Jaczko was considered an "aggressive regulator," said Anderson, now a lobbyist at Cassidy & Associates in Washington.

"He's going to be the best thing that's happened to them in the last couple of decades because he's actually a real regulator," Anderson said. "If Greg Jaczko tells me something's safe, I believe him."

To contact the reporters on this story: Jim Efstathiou Jr. in New York at jefstathiou@bloomberg.net and Simon Lomax in Washington at

slomax@bloomberg.net

To contact the editor responsible for this story: Larry Liebert at lliebert@bloomberg.net.

©2011 BLOOMBERG L.P. ALL RIGHTS RESERVED.

From: Jaczko, Gregory
Sent: Tuesday, March 22, 2011 6:20 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: 0600 EDT (March 22, 2011) USNRC Earthquake/Tsunami Status Update
Attachments: NRC Status Update 3.22.11--0600 EDT.pdf

From: LIA07 Hoc
Sent: Tuesday, March 22, 2011 6:19:47 AM
To: LIA07 Hoc
Subject: 0600 EDT (March 22, 2011) USNRC Earthquake/Tsunami Status Update
Auto forwarded by a Rule

Please find attached a 0600 EDT (March 22, 2011) status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

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)

From: Pace, Patti
Sent: Tuesday, March 22, 2011 9:11 AM
To: Batkin, Joshua
Subject: Re: Lunch go cancelled right?

Yes, cancelled.
Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

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

From: Batkin, Joshua
To: Pace, Patti
Sent: Tue Mar 22 08:51:08 2011
Subject: Lunch go cancelled right?

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Coggins, Angela
Sent: Tuesday, March 22, 2011 10:39 AM
To: Bradford, Anna; Hipschman, Thomas; Marshall, Michael; Clark, Lisa; Dhir, Neha; Fopma, Melody; Warren, Roberta; Loyd, Susan; Montes, David
Subject: FW: Summary/Follow-up to Agenda Planning meeting on 3/21/11

FYI - here's SECY's summary of yesterday's agenda planning session. Let me know if you have any questions.

Angela B. Coggins
Policy Director
Office of Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1828/angela.coggins@nrc.gov

From: Baval, Rochelle
Sent: Tuesday, March 22, 2011 9:03 AM
To: Viethl-Cook, Annette; Bates, Andrew; Burns, Stephen; Muessle, Mary; Andersen, James; Landau, Mindy; Doane, Margaret; Mamish, Nader; Henderson, Karen; Dyer, Jim; Brown, Milton; Poole, Brooke
Cc: Laufer, Richard; Hart, Ken; Shea, Pamela; Batkin, Joshua; Coggins, Angela; Sharkey, Jeffry; Sosa, Belkys; Bubar, Patrice; Nieh, Ho; Baval, Rochelle
Subject: Summary/Follow-up to Agenda Planning meeting on 3/21/11

Following is a summary/follow-up to Yesterday's (3/21) agenda planning session.

Papers:

- OGC paper on revisions to the Internal Commission Procedures for mandatory hearings will come up as an information paper instead of a notation vote paper.

Scheduled Meetings:

- March 24 – 50.46a ECCS Rule – The Commission agreed to postpone this meeting.
- March 29 – Small Modular Reactors – The Commission agreed to keep this meeting on the schedule.
- March 31 – McGaffigan Award - The Commission agreed to keep this meeting on the schedule.
- March 31 – Closed Adjudicatory Meeting (general discussion of pending license renewals and combined license applications) – The Commission agreed to have this meeting. ***
ACTION: OGC/OCAA will prepare a paper, and SECY will work with OGC/OCAA to develop the scheduling note.
- April 14 – Status of Events in Japan, with a focus on radiological consequence/health effects – The Commission agreed to have this meeting. *****ACTION: SECY will work with the staff to develop the scheduling note.**
- April 19 – Source Security/Part 37 - The Commission agreed to keep this meeting on the schedule.
- April 28 – The Commission agreed to postpone the meeting on ITAAC and instead have a meeting on the Status of Events in Japan, with a focus on station black out. *** **ACTION: SECY will work with the staff to develop the scheduling note.**
- May 3 – The Commission agreed to move the Human Capital and EEO briefing to June 2nd and instead have a meeting on the 30 day quick look status from the task group on NRC's review of the events in Japan. *** **ACTION: SECY will work with the staff to develop the scheduling note. Staff should try to brief the ACRS on this 30 day quick look prior to the June 6th Commission meeting with the ACRS.**
- May 12 – The Commission agreed to postpone the meeting on Cumulative Effects of Reactor Regulation and instead move the meeting on Emergency Preparedness, from June 2nd to May

12th. The meeting would be more broad than just on the EP final rule, and would be an informational meeting on how we do EP and the evolution to the final rule. ***** ACTION: SECY will work with the staff to review and consider whether revisions to the scheduling note are necessary.**

- May 27 – AARM - The Commission agreed to keep this meeting on the schedule.
- June 2 – The Commission agreed to move the meeting on EP to May 12th and have the Human Capital and EEO briefing on June 2nd.
- June 6 – ACRS - The Commission agreed to keep this meeting on the schedule. Inclusion of topics due to the events in Japan to be considered.
- June 16 – The Commission agreed to postpone the public and non-sunshine act meetings on international activities and instead have a meeting on the 60 day quick look status from the task group on NRC's review of the events in Japan. ***** ACTION: SECY will work with the staff to develop the scheduling note.**

The next agenda planning is on March 31, 2011.

Thank you,
Rochelle

From: Jaczko, Gregory
Sent: Monday, March 21, 2011 7:09 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Washburn

From: Batkin, Joshua
Sent: Monday, March 21, 2011 7:07:54 PM
To: Jaczko, Gregory
Subject: Washburn
Auto forwarded by a Rule

Was calling to say that toshiba is mobilizing to help TEPCO and pulling a team together that includes US industry folks. I said great and suggested they coordinate that effort with INPO.

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Loyd, Susan
Sent: Tuesday, March 22, 2011 11:49 AM
To: Batkin, Joshua; Bradford, Anna; Clark, Lisa; Coggins, Angela; Fopma, Melody; Gibbs, Catina; Hipschman, Thomas; Loyd, Susan; Marshall, Michael; Monninger, John; Montes, David; Pace, Patti; Speiser, Herald; Warren, Roberta; Adler, James; Dhir, Neha
Subject: FW: Transcript and video on the web

For your information.

Susan K. Loyd
Communications Director
Office of the Chairman
U.S. Nuclear Regulatory Commission
Tele: 301-415-1838
Susan.Loyd@nrc.gov

From: Landau, Mindy
Sent: Tuesday, March 22, 2011 11:33 AM
To: Virgilio, Rosetta; Steger (Tucci), Christine; Culp, Lisa; Salter, Susan; Goldberg, Francine; Hayden, Elizabeth; Bonaccorso, Amy; Mroz (Sahm), Sara; Barkley, Richard; Heck, Jared; Jasinski, Robert; Sall, Basia; Shane, Raeann; Pedersen, Renee; Croston, Sean; Farnholtz, Thomas; Woodruff, Gena; Wright, Lisa (Gibney); Pulaski, Jordan; Loyd, Susan
Cc: Rihm, Roger; Ellmers, Glenn; Rakovan, Lance; Thomas, Ann
Subject: Transcript and video on the web

We've been getting a lot of inquiries here – please tell your staff that the transcript and video of yesterday's commission meeting is on the web. Here's the link to the transcript.

<http://www.nrc.gov/reading-rm/doc-collections/commission/tr/2011/20110321.pdf>

The best source for up to date information is the "Japan Box" on the upper right hand corner of the public site, under "Key Topics."

Appreciate the help, thanks!
Mindy

Mindy S. Landau
Deputy Assistant for Operations
Communication and Performance Improvement
Office of the Executive Director for Operations
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555
301-415-8703
mindy.landau@nrc.gov

From: Fopma, Melody
Sent: Tuesday, March 22, 2011 12:43 PM
To: Hipschman, Thomas; Speiser, Herald; Adler, James; Batkin, Joshua; Bradford, Anna; Clark, Lisa; Coggins, Angela; Dhir, Neha; Loyd, Susan; Marshall, Michael; Monninger, John; Montes, David; Pace, Patti; Pearson, Laura; Warren, Roberta
Subject: RE: Material requested

For meeting with EDO today at 4:00 p.m.:

(b)(5)

From: Hipschman, Thomas
Sent: Monday, March 21, 2011 11:45 AM
To: Speiser, Herald; Adler, James; Batkin, Joshua; Bradford, Anna; Clark, Lisa; Coggins, Angela; Dhir, Neha; Fopma, Melody; Loyd, Susan; Marshall, Michael; Monninger, John; Montes, David; Pace, Patti; Pearson, Laura; Warren, Roberta
Subject: RE: Material requested

Thomas Hipschman
Policy Advisor for Reactors
Office of Chairman Gregory B. Jaczko
301-415-1832

From: Speiser, Herald
Sent: Saturday, March 19, 2011 4:06 PM
To: Adler, James; Batkin, Joshua; Bradford, Anna; Clark, Lisa; Coggins, Angela; Dhir, Neha; Fopma, Melody; Hipschman, Thomas; Loyd, Susan; Marshall, Michael; Monninger, John; Montes, David; Pace, Patti; Pearson, Laura; Speiser, Herald; Warren, Roberta
Subject: Material requested

Below is the Chairman's calendar for Monday, as well as an advance look at Tuesday. I've requested info for Comm. Ostendorff separately, but please provide input on the other items as appropriate. Thank you.

+++++

March 21, 2011
Monday

8:30 AM - 9:00 AM - Meeting: Senior Staff

9:00 AM - 11:00 AM - Briefing on NRC Response to Recent Nuclear Events
in Japan (Public Meeting)

11:00 AM - 12:30 PM - AGENDA PLANNING (Exempt)

1:00 PM - 1:45 PM - Periodic: Commissioner Ostendorff (requested info in separate email)

•

(b)(5)

2:00 PM - 2:15 PM - Phone call: Admiral Donald (NNSA) and Admiral Ellis (INPO)

3:00 PM - 4:00 PM - Open Door

+++++

Looking ahead: March 22, 2011, Tuesday

8:30 AM - 9:00 AM - Meeting: Senior Staff

10:00 AM - 11:00 AM - (T) Pre-Agenda Planning Meeting

11:00 AM - 11:30 AM - (T) Briefing: Manufacturing Licenses

1:30 PM - 2:15 PM - Periodic: Commissioner Svinicki

2:30 PM - 3:00 PM - Briefing: HRMS Update

3:00 PM - 3:30 PM - Periodic: OI, CMCrary

4:00 PM - 5:00 PM - Weekly Meeting with EDO

Herald M. Speiser - (301) 415-1830
Administrative Assistant
Office of the Chairman
Nuclear Regulatory Commission
11555 Rockville Pike
Mailstop: O-16G4
Rockville, MD 20852

From: Jaczko, Gregory
Sent: Tuesday, March 22, 2011 1:25 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: EWASH WH0143
Attachments: 1665.pdf

From: Vietti-Cook, Annette
Sent: Tuesday, March 22, 2011 1:24:52 PM
To: Jaczko, Gregory; Svinicki, Kristine; Apostolakis, George; Magwood, William; Ostendorff, William
Cc: Batkin, Joshua; Coggins, Angela; Bradford, Anna; Loyd, Susan; Sharkey, Jeffry; Sosa, Belkys; Bubar, Patrice; Nieh, Ho; Borchardt, Bill; Weber, Michael; Virgilio, Martin; Trapp, James; Brenner, Eliot; Hayden, Elizabeth
Subject: FW: EWASH WH0143
Auto forwarded by a Rule

Summary of Conclusions from last Tuesday's March 15 Deputies meeting on Japan received today, Chairman and Jim Trapp participated.

From: Giles, Vanessa
Sent: Tuesday, March 22, 2011 12:31 PM
To: Vietti-Cook, Annette
Cc: Wright, Darlene; Lewis, Antoinette; Mike, Linda; McKelvin, Sheila; Champ, Billie
Subject: FW: EWASH WH0143

Annette, as we discussed, here is the eWash message we received 3/22/2011 @ 12:25pm

We have already receipted for the message.

Let me know if you need anything else.

From: NRCHQ [mailto:NRCHQ.Resource@nrc.gov]
Sent: Tuesday, March 22, 2011 12:24 PM
To: Dodmead, James; Mangefrida, Michael; Giles, Vanessa; Parsons, Darryl
Subject: FW: EWASH WH0143

From: eWash-WHSR[SMTP: (b)(6)]
Sent: Tuesday, March 22, 2011 12:23:44 PM
To: ewash@state.gov; (b)(6); DOI Watch office@ios.doi.gov; Fay_ludicello@ios.doi.gov; ewash@doc.gov; Ekaterini Malliou (HHS Executive Secretariat); HHSComSec@hhs.gov; HHSExecSec@hhs.gov; DOE.Commcenter@in.doe.gov; CommCenterStaff@hq.dhs.gov; martin.john@epa.gov; USAID; InteragencyAffairsOffice@js.pentagon.mil; NRCHQ

Cc: eWash-WHSR
Subject: EWASH WH0143
Auto forwarded by a Rule

CLASSIFICATION: **UNCLASSIFIED**

FROM: NSS	PH: (b)(6)	ROOM: 302A
SUBJECT: SOC for the 3/15 Deputy Level Mtg. on the Japanese Earthquake and Pacific Tsunami		PAGES: 7

PLEASE DELIVER TO:

<u>LOCATION</u>	<u>DELIVER TO</u>	<u>ROOM</u>	<u>PHONE</u>
STATE	EXECUTIVE SECRETARY		
DEFENSE	EXECUTIVE SECRETARY		
INTERIOR	DIRECTOR OF EXECUTIVE SECRETARIAT		
COMMERCE	DIRECTOR, EXECUTIVE SECRETARIAT		
DHHS	EXECUTIVE SECRETARY		
ENERGY	DIRECTOR, EXECUTIVE SECRETARIAT		
DHS	EXECUTIVE SECRETARY		
EPA	CHIEF OF STAFF		
USAID	ACTING EXECUTIVE SECRETARY		
JCS	SPECIAL ASSISTANT FOR INTERAGENCY AFFAIRS (J-5)		
NRC	SECRETARY OF THE COMMISSION		

SPECIAL DELIVERY INSTRUCTIONS/REMARKS:

001665

NATIONAL SECURITY STAFF
WASHINGTON, D.C. 20504

March 22, 2011

MEMORANDUM FOR

(b)(5),(b)(6)

(b)(5),(b)(6)

Attachment
Tab A Summary of Conclusions

Tab A

001665

NATIONAL SECURITY STAFF
WASHINGTON, D.C. 20504

(b)(5),(b)(6)

(b)(5),(b)(6)

(b)(5)

From: Jaczko, Gregory
Sent: Tuesday, March 22, 2011 1:41 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: RESPONSE - RESPONSE TO YOUR QUESTION ABOUT "WHAT WE MAY BE MISSING?"
Attachments: Brainstorming for Chairman V3.doc

From: Weber, Michael
Sent: Tuesday, March 22, 2011 1:41:00 PM
To: Jaczko, Gregory
Cc: Borchardt, Bill; Virgilio, Martin; Wiggins, Jim; ET07 Hoc; ET05 Hoc; RST01 Hoc; LIA06 Hoc; PMT01 Hoc; FOIA Response.hoc Resource; Batkin, Joshua; Coggins, Angela; Boger, Bruce
Subject: RESPONSE - RESPONSE TO YOUR QUESTION ABOUT "WHAT WE MAY BE MISSING?"
Auto forwarded by a Rule

Good afternoon, Chairman. Please find attached a short response to your question about "what we may be missing" in our response to the Japanese nuclear emergency due to our primary focus on the Fukushima-Daiichi nuclear power station.

From: Jaczko, Gregory
Sent: Tuesday, March 22, 2011 3:08 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Response to Questions on Transpacific Model and Child Thyroid Doses
Attachments: Response to Chairman's Questions on Transpacific Model and Child Thyroid Doses_3-22-2011.doc

From: PMT03 Hoc
Sent: Tuesday, March 22, 2011 3:08:12 PM
To: Jaczko, Gregory
Cc: Virgilio, Martin; Weber, Michael; Johnson, Michael; Miller, Charles; Moore, Scott; Cool, Donald; Tappert, John; Borchardt, Bill; Wiggins, Jim; Carpenter, Cynthia; Ordaz, Vonna; Batkin, Joshua; Coggins, Angela; Lubinski, John; Zimmerman, Roy; FOIA Response.hoc Resource; PMT03 Hoc; Lewis, Robert; Hoc, PMT12
Subject: Response to Questions on Transpacific Model and Child Thyroid Doses
Auto forwarded by a Rule

Chairman,

Please see attached the requested information regarding the Transpacific Model and Child Thyroid Doses.

PMT

Response to Chairman's Questions on Transpacific Model and Child Thyroid Doses
(March 22, 2011, 9:30AM EDT)

1. What is the actual activity of iodine in the plume?

The Trans-Pacific Model provided by NARAC does calculate airborne iodine activities/concentrations in the plume. However, the Trans-Pacific Model output results for airborne iodine activities in the plume are not provided. NARAC provided the surface contamination deposited by the plume.

2. What's the timeframe – for the thyroid dose contribution over time?

The NARAC Model assumes the deposition from the plumes begins when the plume is at that specific location/point of deposition. It assumes that all of the deposition will occur at $T=0$ regardless of the size or duration of the plume travel time. All of the activity is deposited at $T=0$.

The Model integrates the deposition over the time that the iodine is on the soil/grass. Therefore, the thyroid uptake is integrated over 60 – 80 day period, which would account for total decay of the I-131. The dose to the Child Thyroid is assumed for 60 – 80 day period, but the dose is assumed to be for a 1 year period.

Note: The thyroid doses do not assume any protective action measures. One protective action to be issued by the State would be to have dairy cows on non-contaminated stored feed for approximately 90 days.

From: Baval, Rochelle
Sent: Tuesday, March 22, 2011 3:29 PM
To: Andersen, James; Blake, Kathleen; Bozin, Sunny; Chairman Temp; Cianci, Sandra; Crawford, Carrie; Gibbs, Catina; Harves, Carolyn; Hasan, Nasreen; Jimenez, Patricia; KLS Temp; Landau, Mindy; Lepre, Janet; Lewis, Antoinette; Herr, Linda; Lisann, Elizabeth; Muessle, Mary; Pace, Patti; Pulley, Deborah; Joosten, Sandy; Savoy, Carmel; Speiser, Herald; Taylor, Renee; Temp, GEA; Temp, WCO; Temp, WDM; Wright, Darlene
Cc: Laufer, Richard; Shea, Pamela; Hart, Ken
Subject: FW: Summary/Follow-up to Agenda Planning meeting on 3/21/11

Below is the summary from yesterday's Commission agenda planning session. I've made the following changes to the Commission calendar:

3/24 – cancelled meeting on 50.46a ECCS rule
3/31 – added Discussion of Adjudicatory Issues 3:30-4:30pm
4/14 – added Status of Japan Events-Health Effects 9:00am-12:00pm
4/28 – cancelled meeting on ITAAC, then added Status of Events in Japan-Station Blackout 9:00am-12:00pm
5/3 – moved Human Capital and EEO meeting to 6/2 9:30-10:30am, then added Briefing on Task Force Review (30-Day Quick Look)...9:30-11:30am
5/12 – cancelled meeting on Cumulative Effects of Reactor Regulation, then moved the meeting on Emergency Preparedness (from 6/2) 9:00am-12:00pm
6/2 – moved meeting on Emergency Preparedness to 5/12, then added meeting on Human Capital and EEO
6/6 – cancelled the Reserved Time, then added Meeting with the ACRS 10:00am-12:00pm
6/16 – cancelled the Reserved Time, then added Briefing on Task Force Review (60-Day Quick Look)...9:30-11:30am

The meetings that did not change and are still scheduled are...

3/29 – Small Modular Reactors
3/31 – Agenda Planning and Discussion of Management Issues
4/19 – Source Security/Part 37
4/26 – Agenda Planning
5/27 – AARM and Agenda Planning
6/27 – Agenda Planning
No changes for July and beyond

I'm sure it is confusing to some...it was to me, but I believe I have everything correct, at least for now.

Feel free to call/email me with any questions.

Rochelle

From: Baval, Rochelle
Sent: Tuesday, March 22, 2011 9:03 AM
To: Vietti-Cook, Annette; Bates, Andrew; Burns, Stephen; Muessle, Mary; Andersen, James; Landau, Mindy; Doane, Margaret; Mamish, Nader; Henderson, Karen; Dyer, Jim; Brown, Milton; Poole, Brooke
Cc: Laufer, Richard; Hart, Ken; Shea, Pamela; Batkin, Joshua; Coggins, Angela; Sharkey, Jeffry; Sosa, Belkys; Bubar Patrice; Nieh, Ho; Baval, Rochelle
Subject: Summary/Follow-up to Agenda Planning meeting on 3/21/11

Following is a summary/follow-up to Yesterday's (3/21) agenda planning session.

Papers:

- OGC paper on revisions to the Internal Commission Procedures for mandatory hearings will come up as an information paper instead of a notation vote paper.

Scheduled Meetings:

- March 24 – 50.46a ECCS Rule – The Commission agreed to postpone this meeting.
- March 29 – Small Modular Reactors – The Commission agreed to keep this meeting on the schedule.
- March 31 – McGaffigan Award - The Commission agreed to keep this meeting on the schedule.
- March 31 – Closed Adjudicatory Meeting (general discussion of pending license renewals and combined license applications) – The Commission agreed to have this meeting. ***
ACTION: OGC/OCAA will prepare a paper, and SECY will work with OGC/OCAA to develop the scheduling note.
- April 14 – Status of Events in Japan, with a focus on radiological consequence/health effects – The Commission agreed to have this meeting. *****ACTION: SECY will work with the staff to develop the scheduling note.**
- April 19 – Source Security/Part 37 - The Commission agreed to keep this meeting on the schedule.
- April 28 – The Commission agreed to postpone the meeting on ITAAC and instead have a meeting on the Status of Events in Japan, with a focus on station black out. *** **ACTION: SECY will work with the staff to develop the scheduling note.**
- May 3 – The Commission agreed to move the Human Capital and EEO briefing to June 2nd and instead have a meeting on the 30 day quick look status from the task group on NRC's review of the events in Japan. *** **ACTION: SECY will work with the staff to develop the scheduling note. Staff should try to brief the ACRS on this 30 day quick look prior to the June 6th Commission meeting with the ACRS.**
- May 12 – The Commission agreed to postpone the meeting on Cumulative Effects of Reactor Regulation and instead move the meeting on Emergency Preparedness, from June 2nd to May 12th. The meeting would be more broad than just on the EP final rule, and would be an informational meeting on how we do EP and the evolution to the final rule. *** **ACTION: SECY will work with the staff to review and consider whether revisions to the scheduling note are necessary.**
- May 27 – AARM - The Commission agreed to keep this meeting on the schedule.
- June 2 – The Commission agreed to move the meeting on EP to May 12th and have the Human Capital and EEO briefing on June 2nd.
- June 6 – ACRS - The Commission agreed to keep this meeting on the schedule. Inclusion of topics due to the events in Japan to be considered.
- June 16 – The Commission agreed to postpone the public and non-sunshine act meetings on international activities and instead have a meeting on the 60 day quick look status from the task group on NRC's review of the events in Japan. *** **ACTION: SECY will work with the staff to develop the scheduling note.**

The next agenda planning is on March 31, 2011.

Thank you,
Rochelle

From: Jaczko, Gregory
Sent: Tuesday, March 22, 2011 7:07 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: RESULTS OF IPC SVTC CALL

From: Wiggins, Jim
Sent: Tuesday, March 22, 2011 7:06:43 PM
To: Jaczko, Gregory
Cc: Batkin, Joshua; Virgilio, Martin; Weber, Michael; ET05 Hoc;
FOIA Response.hoc Resource
Subject: FYI: RESULTS OF IPC SVTC CALL
Auto forwarded by a Rule

Today's SVTC call covered a wide span of issues; not all germane to NRC....Here is a summary. Those issues that should come up at the Deputies Mtg tomorrow are highlighted.

(b)(5)

Summary of Actions:

(b)(5)

(b)(5)

From: Jaczko, Gregory
Sent: Tuesday, March 22, 2011 7:38 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: quick press question for Chairman

From: Brenner, Eliot
Sent: Tuesday, March 22, 2011 7:37:34 PM
To: Jaczko, Gregory
Subject: RE: quick press question for Chairman
Auto forwarded by a Rule

Meanwhile, FYI, Bechtel is swamped with questions about the pump they built (perhaps to our notional design) and delivered to Japan. I am trying to work remotely with the State Department and Chuck to arrange a briefing for Wednesday (Japan time, overnight here) if we can. If not, then Thursday. I am giving him some short q/a on the more sensitive issues.

Eliot

From: Jaczko, Gregory
Sent: Tuesday, March 22, 2011 7:36 PM
To: Brenner, Eliot
Subject: Re: quick press question for Chairman

Interesting..let's chat tomorrow

From: Brenner, Eliot
To: Jaczko, Gregory
Cc: Loyd, Susan; Batkin, Joshua
Sent: Tue Mar 22 19:31:56 2011
Subject: quick press question for Chairman

We've never had this discussion. It was your position in 2008 – according to speeches – that spent fuel should be moved after 5 years to casks and the agency should write regulations to direct that. Reporter is asking if that is still your position.

We can discuss answer in the morning.

Eliot

From: Mitlyng, Viktoria
Sent: Tuesday, March 22, 2011 7:20 PM
To: Brenner, Eliot
Cc: McIntyre, David
Subject: FW: Star Tribune followup

Eliot,

I need your guidance in responding to questions from the Minneapolis Star Tribune associated with 2008 statements by the Chairman. The reporter is working on an in-depth story on spent fuel storage risk. In the attached 2008 speech, Jaczko advocates for moving spent fuel from wet to dry storage after five years. He makes the following statements:

"The most clear-cut example of an area where additional safety margins can be gained involves additional efforts to move spent nuclear fuel from pools to dry cask storage."

And

"Therefore, in an effort to be ever vigilant about the safety of spent fuel, I believe the NRC should develop new regulations which require spent fuel to be moved to dry cask storage after it has been allowed to cool for five years. This step, recognizing the inherent safety benefits of dry cask storage and combining that knowledge with the new ISFSI security regulations underdevelopment, will provide a safer and more secure disposition for spent fuel in the short term."

The reporter asked if this is still the Chairman's position; if so, what has been done since 2008 to develop such new regulations; if his position has changed –what are the reasons? If nothing has been done – what are the NRC's reasons?

His deadline is tomorrow, Wednesday.

Thank you.

Vika

From: Shaffer, David [mailto:David.Shaffer@startribune.com]
Sent: Tuesday, March 22, 2011 4:05 PM
To: Mitlyng, Viktoria
Subject: Star Tribune followup

Viktoria

Here is the speech where the chairman mentioned 5 years.

Let me know what happened with this plan.

And how many plants have cask storage?

David Shaffer
Reporter/Editor, Business news
Minneapolis Star Tribune
612-673-7090 (desk) (b)(6) (cell)

From: Jaczko, Gregory
Sent: Tuesday, March 22, 2011 9:44 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Assumptions for Trans Pacific Dose Modeling
Attachments: Assumptions for Trans Pacific Dose Modeling.doc

From: Hoc, PMT12
Sent: Tuesday, March 22, 2011 9:43:47 PM
To: Hoc, PMT12; Jaczko, Gregory
Cc: Carpenter, Cynthia; Lewis, Robert; Ordaz, Vonna; Camper, Larry; Holahan, Patricia; Miller, Charles; Gibson, Kathy; Sullivan, Randy; Jones, Cynthia; Reis, Terrence; Cool, Donald; Holahan, Vincent; Milligan, Patricia; Tappert, John; Lui, Christiana; Lubinski, John; Coe, Doug; Zimmerman, Roy; Wiggins, Jim; Sheron, Brian; Johnson, Michael; Virgilio, Martin; Weber, Michael; Boger, Bruce; Batkin, Joshua; Coggins, Angela; Borchardt, Bill; Weber, Michael; Casto, Chuck; Dorman, Dan; FOIA Response.hoc Resource
Subject: Assumptions for Trans Pacific Dose Modeling
Auto forwarded by a Rule

Mr. Chairman,

Attached is the staff's summary of the assumptions underlying the calculation of doses that was done by DOE NARAC for the trans-pacific movement of the plume. This information is provided to support you Deputies meeting tomorrow morning at 8 AM.

**Assumptions Associated with Trans-Pacific Dose Calculations Projections
to U.S. and Territories**

(b)(5)

From: Jaczko, Gregory
Sent: Wednesday, March 23, 2011 7:02 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: 0700 EDT (March 23, 2011) USNRC Earthquake/Tsunami Status Update Corrected Document
Attachments: NRC Status Update 3.23.11--0700 EDT.pdf

From: LIA07 Hoc
Sent: Wednesday, March 23, 2011 7:02:11 AM
Subject: 0700 EDT (March 23, 2011) USNRC Earthquake/Tsunami Status Update Corrected Document
Auto forwarded by a Rule

Please find attached a 0700 EDT (March 23, 2011) status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

This update corrects some information sources, the PMT update, and the International Response

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)

From: Jaczko, Gregory
Sent: Wednesday, March 23, 2011 5:10 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Deputies Meeting

From: Hoc, PMT12
Sent: Wednesday, March 23, 2011 5:09:57 AM
To: Jaczko, Gregory
Cc: Carpenter, Cynthia; Lewis, Robert; Ordaz, Vonna; Camper, Larry; Holahan, Patricia; Miller, Charles; Gibson, Kathy; Sullivan, Randy; Jones, Cynthia; Reis, Terrence; Cool, Donald; Holahan, Vincent; Milligan, Patricia; Tappert, John; Lui, Christiana; Lubinski, John; Coe, Doug; Zimmerman, Roy; Wiggins, Jim; Sheron, Brian; Johnson, Michael; Virgilio, Martin; Weber, Michael; Boger, Bruce; Batkin, Joshua; Coggins, Angela; Borchardt, Bill; Weber, Michael; Casto, Chuck; Hoc, PMT12; Dorman, Dan; FOIA Response.hoc Resource
Subject: Deputies Meeting
Auto forwarded by a Rule

Mr. Chairman,

At the Deputies Meeting this morning, it is possible that questions may be raised about thresholds for protective actions such as KI use and evacuation/sheltering. The staff believes that the existing Protective Action Guidelines (PAGs) are the best source of any recommendation thresholds. However, the potential chronic nature of the current release may warrant further assessment. Based on discussion early this morning, it is expected that the State Department will recommend to the White House that a team of relevant federal agencies (including NRC) be assembled to quickly look at the applicable PAGs in the context of a potential chronic release in Japan and make any alternative recommendations as necessary.

Another topic that may be raised is the sharing of modeling assumptions and results, which is currently not being shared outside the DOE, NRC, and the White House.

From: Bradford, Anna
Sent: Wednesday, March 23, 2011 5:46 AM
To: Hipschman, Thomas; Marshall, Michael
Subject: Fw: Photos

Fyi.

From: Monninger, John
To: Loyd, Susan; Bradford, Anna; Batkin, Joshua
Sent: Wed Mar 23 02:29:47 2011
Subject: FW: Photos

FYI. See link below for photos of equipment brought in from Australia.

From: Cook, William
Sent: Wednesday, March 23, 2011 12:04 AM
To: LIA07 Hoc; Foggie, Kirk; Casto, Chuck; Monninger, John; Dorman, Dan; RST08 Hoc
Subject: FW: Photos

FYI

From: Brooks, Andrae E LTC USA [redacted] (b)(6)
Sent: Tuesday, March 22, 2011 10:50 PM
To: Cook, William
Subject: FW: Photos

Mr. Cook,

You can see some of the photos from yesterday if you scroll down and hit the link.
andrae

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

From: Schiller, Bryan S [mailto:SchillerBS@state.gov]
Sent: Wednesday, March 23, 2011 9:54 AM
To: Simmers, Keith A MAJ USA; Brooks, Andrae E LTC USA
Subject: Photos

From: Monaghan, Dylan M Lt Col USAF MDAO [mailto:redacted] (b)(6)
Sent: Tue 3/22/2011 8:48 PM
To: Monaghan, Dylan M Lt Col USAF MDAO; Young, Joseph M; Grana, Brian T. Maj USMC; oikawa.kageharu@tepeco.co.jp; kawano.akira@tepeco.co.jp; tsuyoshi.hagiwara@toshiba.co.jp; yoshihito1.nakayama@toshiba.co.jp; mlagemann@rel.com.au; yuusuke.harashima@toshiba.co.jp; [redacted] (b)(6); Schiller, Bryan S; KHolden@rel.com.au; [redacted] (b)(6)
Cc: MDAO Org Box; JapanEmbassy, TaskForce; Tokyo, DAO; Tim.Gellel@dfat.gov.au; Michael.Hadlow@dfat.gov.au; Monaghan, Dylan M Lt Col <<image001.jpg>> USAF MDAO; Spurlock, Kenneth CAPT USN MDAO; USFJ-CAT-J5; USFJ-CAT-CHIEF; USFJ-CAT-J4; Lambert, Mark B (TDY/POL); Spurlock, Kenneth CAPT USN MDAO; Brown, Edward Col USAF

MDAO
Subject: Photos

As requested,

Photos of the Bechtel Pumps are available online. Please click the link below.

<http://api.photoshop.com/v1.0/accounts/a6447a580246484f8e7920d51cb2c377/albums/24a3cdd9d6fc40d99b64ba13ae0be080/thumbnail>
<<http://www.photoshop.com/index.html?user=dylanmonaghan&galleryid=24a3cdd9d6fc40d99b64ba13ae0be080&wf=sharegrid&trackingid=BTAGC>>

Australian C-17 Delivery of Bechtel Pumps. Click below to see images from 22 Mar 2011.

View album
<<http://www.photoshop.com/index.html?user=dylanmonaghan&galleryid=24a3cdd9d6fc40d99b64ba13ae0be080&wf=sharegrid&trackingid=BTAGC>>

Bechtel Contracted Pumps from Perth flown in on Australian C-17 as photographed on 22 Mar 2011 at Yokota Air Base.

D.Monaghan sends

Dylan Monaghan, Lt Col, USAF

US Embassy Liaison

At Bilateral Joint Operations Coordination Center

Operation Tomodachi

USFJ Japan, Yokota Air Force Base

(b)(6)

DSN 225-4250

DSN 225-4329

From: Jaczko, Gregory
Sent: Wednesday, March 23, 2011 5:26 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: DOE Assessment of Salt Issue
Attachments: Response to TEPCO.docx

From: Virgilio, Martin
Sent: Wednesday, March 23, 2011 5:25:30 AM
To: Jaczko, Gregory
Cc: Borchardt, Bill; Weber, Michael; Casto, Chuck; Boger, Bruce
Subject: DOE Assessment of Salt Issue
Auto forwarded by a Rule

Chairman

(b)(5)

Marty

Review of TEPCO Analysis of Salt Accumulation - March 22, 2011

(b)(5)

(b)(5)

Dr. John E. Kelly
Deputy Assistant Secretary for Nuclear Reactor Technologies
Office of Nuclear Energy
US Department of Energy

From: LIA07 Hoc
Sent: Wednesday, March 23, 2011 7:04 AM
To: LIA07 Hoc; Borchardt, Bill; Bradford, Anna; Cohen, Shari; Cooper, LaToya; Dyer, Jim; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Taylor, Renee; Virgilio, Martin; Walls, Lorena; Weber, Michael
Subject: Update for "Go Books," 0700 3/23/11: Corrected Status Update
Attachments: NRC Status Update 3.23.11--0700 EDT.pdf

Please find attached updated information for the "Go Books".

The updates include:

- The 0700 EDT, 03/23/11 Status Update: **This Update corrects some source information, the PMT Status, and International Response from the 0600 Update.**

Please let me know if you have any questions or concerns.

-Jim

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

From: Jaczko, Gregory
Sent: Wednesday, March 23, 2011 7:18 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: DOE Letter to TEPCO

From: Batkin, Joshua
Sent: Wednesday, March 23, 2011 7:18:14 AM
To: Jaczko, Gregory
Subject: Fw: DOE Letter to TEPCO
Auto forwarded by a Rule

Chairman - This may need to be a pre-8am call with DOE. Can you discuss it with the ET at your 715? I'm on the metro.

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Monninger, John
To: Batkin, Joshua
Sent: Wed Mar 23 06:10:49 2011
Subject: Fw: DOE Letter to TEPCO

Josh

(b)(5)

John Monninger

(b)(6)

From: Tong, Kurt W <TongKW@state.gov>
To: Cherry, Ronald C <CherryRC@state.gov>; Zumwalt, James P <ZumwaltJP@state.gov>
Cc: Casto, Chuck; Dorman, Dan; Monninger, John; Foggie, Kirk; Duncan, Aleshia D <DuncanAD@state.gov>; Aleshia.Duncan@nuclear.energy.gov <Aleshia.Duncan@nuclear.energy.gov>; Damian.Peko@Nuclear.Energy.gov <Damian.Peko@Nuclear.Energy.gov>; Young, Joseph M <YoungJM@state.gov>; Wall, Marc M <WallMM@state.gov>
Sent: Wed Mar 23 05:30:35 2011
Subject: Re: DOE Letter to TEPCO

OK. Thanks for your good work on this. KT

From: Cherry, Ronald C
Sent: Wednesday, March 23, 2011 05:16 AM

To: Zumwalt, James P; Tong, Kurt W

Cc: 'Chuck Casto' <Chuck.Casto@nrc.gov>; 'dan.dorman@nrc.gov' <dan.dorman@nrc.gov>; 'john.monninger@nrc.gov' <john.monninger@nrc.gov>; 'Foggie, Kirk' <Kirk.Foggie@nrc.gov>; Duncan, Aleshia D; 'Duncan, Aleshia' <Aleshia.Duncan@nuclear.energy.gov>; 'Peko, Damian' <Damian.Peko@Nuclear.Energy.gov>; Young, Joseph M; Wall, Marc M

Subject: DOE Letter to TEPCO

Jim, Kurt -

(b)(5)

We'll keep the letter and the Embassy cover note in my office until the next step is decided.

Thanks.

Ron

Ronald C. Cherry
Energy Attaché
Director, DOE Japan Office
U.S. Embassy Tokyo
Tel. (0)3-3224-5444
Fax (0)3-3224-5769
Cell (b)(6)
email CherryRC@state.gov

SBU

This email is UNCLASSIFIED.

From: Jaczko, Gregory
Sent: Wednesday, March 23, 2011 7:19 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: DOE Letter to TEPCO

From: Batkin, Joshua
Sent: Wednesday, March 23, 2011 7:19:09 AM
To: Jaczko, Gregory
Subject: Fw: DOE Letter to TEPCO
Auto forwarded by a Rule

Sorry, there's time. (b)(5)

(b)(5)

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Monninger, John
To: Batkin, Joshua
Sent: Wed Mar 23 06:10:49 2011
Subject: Fw: DOE Letter to TEPCO

Josh

(b)(5)

John Monninger
(b)(6)

From: Tong, Kurt W <TongKW@state.gov>
To: Cherry, Ronald C <CherryRC@state.gov>; Zumwalt, James P <ZumwaltJP@state.gov>
Cc: Casto, Chuck; Dorman, Dan; Monninger, John; Foggie, Kirk; Duncan, Aleshia D <DuncanAD@state.gov>; Aleshia.Duncan@nuclear.energy.gov <Aleshia.Duncan@nuclear.energy.gov>; Damian.Peko@Nuclear.Energy.gov <Damian.Peko@Nuclear.Energy.gov>; Young, Joseph M <YoungJM@state.gov>; Wall, Marc M <WallMM@state.gov>
Sent: Wed Mar 23 05:30:35 2011
Subject: Re: DOE Letter to TEPCO

OK. Thanks for your good work on this. KT

From: Cherry, Ronald C
Sent: Wednesday, March 23, 2011 05:16 AM
To: Zumwalt, James P; Tong, Kurt W
Cc: 'Chuck Casto' <Chuck.Casto@nrc.gov>; 'dan.dorman@nrc.gov' <dan.dorman@nrc.gov>; 'john.monninger@nrc.gov' <john.monninger@nrc.gov>; 'Foggie, Kirk' <Kirk.Foggie@nrc.gov>; Duncan, Aleshia D; 'Duncan, Aleshia' <Aleshia.Duncan@nuclear.energy.gov>; 'Peko, Damian' <Damian.Peko@Nuclear.Energy.gov>; Young, Joseph M; Wall, Marc M
Subject: DOE Letter to TEPCO

Jim, Kurt –

(b)(5) We'll keep the letter and
the Embassy cover note in my office until the next step is decided.

Thanks.

Ron

Ronald C. Cherry
Energy Attaché
Director, DOE Japan Office
U.S. Embassy Tokyo
Tel. (0)3-3224-5444
Fax (0)3-3224-5769
Cell (b)(6)
email CherryRC@state.gov

SBU

This email is UNCLASSIFIED.

From: LIA07 Hoc
Sent: Wednesday, March 23, 2011 7:24 AM
To: Borchardt, Bill; Bradford, Anna; Cohen, Shari; Cooper, LaToya; Dyer, Jim; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Taylor, Renee; Virgilio, Martin; Walls, Lorena; Weber, Michael
Subject: Update for "Go Books," 0600 3/23/11: Corrected Time Stamp on One Page
Attachments: March 23 0600EDT one pager (2) (4).docx

Please find attached updated information for the "Go Books".

The updates include:

- The 0600 EDT, 03/23/11 One Page: **This Update corrects time stamp.**

Please let me know if you have any questions or concerns.

Yen

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

From: Jaczko, Gregory
Sent: Wednesday, March 23, 2011 9:43 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: DOE Letter - No need to call

From: Monninger, John
Sent: Wednesday, March 23, 2011 9:37:58 AM
To: Jaczko, Gregory
Cc: Batkin, Joshua
Subject: DOE Letter - No need to call
Auto forwarded by a Rule

Mr. Chairman,

(b)(5)

John Monninger

From: Peko, Damian [Damian.Peko@Nuclear.Energy.gov]
Sent: Wednesday, March 23, 2011 9:27 AM
To: Monninger, John
Subject: FW: Tokyo March 23

John

The email from John Kelly, as discussed.

Damian

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

From: Kelly, John E (NE)
Sent: Wednesday, March 23, 2011 9:24 AM
To: Peko, Damian
Cc: Duncan, Aleshia; Cherry, Ron
Subject: RE: Tokyo March 23

(b)(5)

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

From: Peko, Damian

Sent: Wednesday, March 23, 2011 9:17 AM

To: Kelly, John E (NE)

Cc: Duncan, Aleshia; Cherry, Ron

Subject: RE: Tokyo March 23

John

(b)(5)

Thanks

Damian

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

From: Kelly, John E (NE)

Sent: Wednesday, March 23, 2011 8:33 AM

To: NITSolutions; NITOPS; SCHU

Cc: DL-NERT-All

Subject: FW: Tokyo March 23

(b)(5)

John

From: Bradford, Anna
Sent: Wednesday, March 23, 2011 3:26 PM
To: Hipschman, Thomas; Marshall, Michael
Subject: FW: Go Book - One Pager
Attachments: March 23 1500EDT one pager.docx

I have no idea why I've started getting these, but FYI in case you are interested.

Anna Bradford
Policy Advisor for Nuclear Materials
Office of Chairman Jaczko
U.S. Nuclear Regulatory Commission
301-415-1827

From: LIA07 Hoc
Sent: Wednesday, March 23, 2011 3:24 PM
To: Borchardt, Bill; Bradford, Anna; Cohen, Shari; Cooper, LaToya; Dyer, Jim; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Taylor, Renee; Virgilio, Martin; Walls, Lorena; Weber, Michael
Subject: Go Book - One Pager

Attached is the 1500 EDT March 23, 2011 "One Pager" for your reference.
-Sara

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Wednesday, March 23, 2011 4:38 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: <<< HONORABLE EMPEROR OF CHINA >>>
Attachments: AP1000-Gundersen.pdf

From: Thomas Saporito[SMTP:THOMAS@SAPRODANI-ASSOCIATES.COM]
Sent: Wednesday, March 23, 2011 5:37:02 PM
To: chinaconsul bri au@mfa.gov.cn
Subject: <<< HONORABLE EMPEROR OF CHINA >>>
Auto forwarded by a Rule

Your Majesty:

Please take time to review the attached technical report on the AP1000 nuclear reactor which has been selected for construction in China. This report clearly illustrates the many safety flaws associated with the AP1000 nuclear reactor design which could result in a catastrophic nuclear accident - similar to the Japanese nuclear accident currently unfolding before the entire world.

To the extent that natural gas is readily available and extremely economical, I urge your government to consider the immediate halt to all ongoing nuclear construction projects in China - and instead - construct **SAFE** natural gas fired power plants to ensure the health and safety of the Chinese people and the environment as a whole.

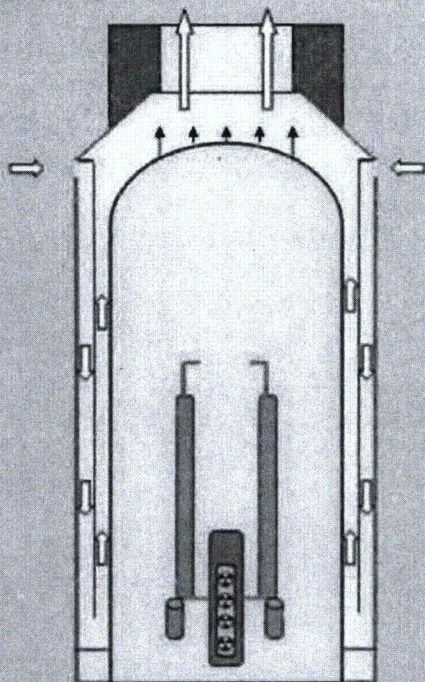
Finally, I urge you to visit: <http://saprodani-associates.com> to compare the U.S.NRC Chairman's testimony to the U.S. Congress about the safety design aspects of the AP1000 - which is clearly refuted by the attached Fairewinds-Associates technical report.

Kind regards,
Thomas Saporito

--

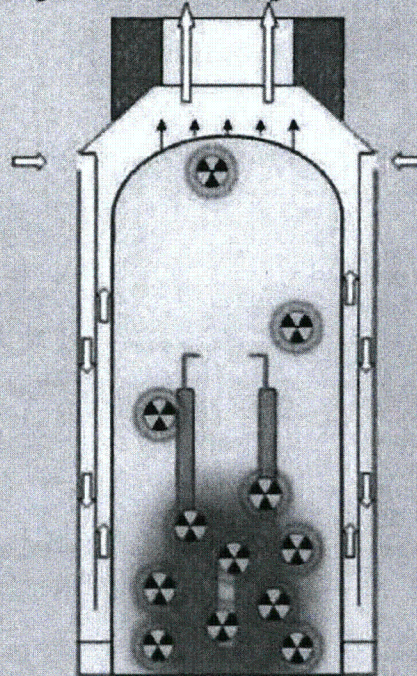
Thomas Saporito, Senior Consulting Associate
Email: thomas@saprodani-associates.com
Web: <http://Saprodani-Associates.com>
Post Office Box 8413, Jupiter, Florida 33468
Phone: (561) 972-8363 Fax: (561) 247-6404
Saprodani-Associates - Advocate/GreenPeace USA

AP1000 Normal Operation



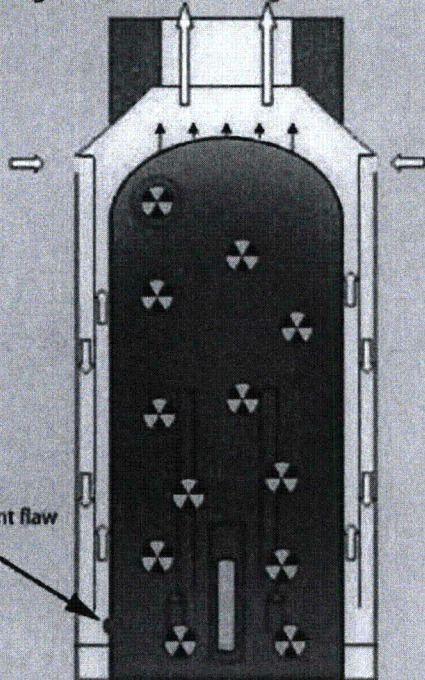
Palomares Associates, Inc. (Adapted from <http://www.dukeup.edu/ap1000.pdf>)

AP1000 Design Basis Accident Begins



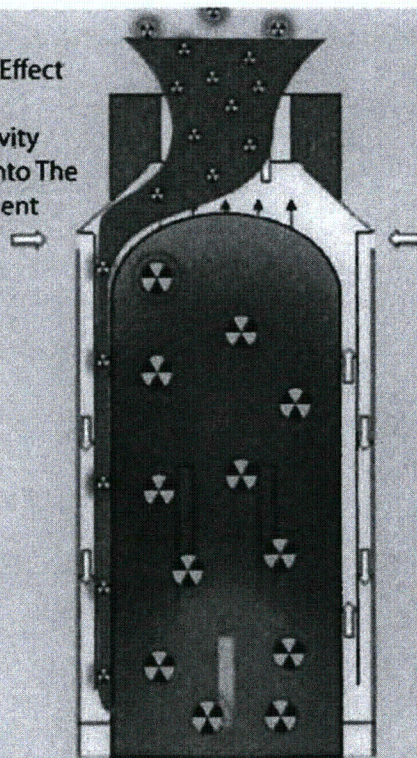
Palomares Associates, Inc. (Adapted from <http://www.dukeup.edu/ap1000.pdf>)

Containment Fills With Radioactive Gases
AP1000 Design Basis Accident Begins



Palomares Associates, Inc. (Adapted from <http://www.dukeup.edu/ap1000.pdf>)

AP1000
Chimney Effect
Draws
Radioactivity
Directly Into The
Environment



Palomares Associates, Inc. (Adapted from <http://www.dukeup.edu/ap1000.pdf>)

AP1000 Press Conference Statement
Arnie Gundersen, Chief Engineer, Fairwinds Associates, Inc

I earned my BS and Master's degree in nuclear engineering cum laude from Rensselaer Polytechnic Institute. I was a licensed reactor operator and a Senior VP for a nuclear licensee; I also managed a non-destructive Inspection Division. I have worked at or provided services to more than 70-nuclear reactors around the country and in Europe. This is the third containment analysis and expert report I have submitted to the NRC. (MP3, BV, AP1000) Additionally, as an expert witness regarding the accident at Three Mile Island (TMI) nuclear plant, I have analyzed the containment response to containment pressure spikes during the TMI accident.

If you would image a nuclear reactor as a pressure cooker, then its containment would be the leak-tight building surrounding that pressure cooker. Containment systems are critically important because they are the last line of defense in an accident. Once the reactor's coolant system is breached, the containment barrier is the *only* thing stopping the release of radiation to the environment. Containment systems on current Pressurized Water Reactors are constructed of steel and concrete, and together form multiple barriers that work to limit radiation releases after an accident.

Research shows that there have been more than 80-documented problems with containment systems in the U.S. during the past 45-years. Four of these 80 cases have been through-wall rust holes that completely penetrated the steel containment liner. In 2009 alone, there were three significant containment problems on existing reactors.

1. Beaver Valley: A rust hole that completely penetrated through the steel containment liner was discovered by a visual inspection during Beaver Valley's April 2009 refueling outage.

2. Crystal River: While cutting a hole to install replacement components, contractors uncovered a 60-foot long crack called a delamination in the concrete containment.
3. Bellefonte: Post-tensioned containment tendons snapped, making a gun shot noise. This 35-year-old containment system is at a plant that has not yet been operated and also has not been inspected for containment integrity.
4. Additionally, there are numerous cases of containment leak-rate testing failures during outages. In plain English, this means that inspectors periodically pressure-test valves and the entire containment system during which time excess leakage of radioactivity has been measured.

In 2009, after it was made aware of the containment hole at Beaver Valley, the Nuclear Regulatory Commission's (NRC's) Advisory Committee on Reactor Safeguards (ACRS) acknowledged the magnitude of containment problems at existing reactors.

Subsequently, the ACRS continues to ask the NRC staff serious questions about containment integrity. The steel containment systems on existing Pressurized Water Reactors (PWRs) are backed up by a secondary containment that are able to collect any radiation that may leak out. The ACRS has expressed concerns, and appears to be taking time to analyze the problem on operating reactors.

The Westinghouse AP1000 design is unlike any Pressurized Water Reactor design that has come before it. The steel containment in the AP1000 design has no backup secondary concrete containment behind it to capture post accident radiation that leaks out. Again, the problem with the AP1000 is that there is no backup system. Nuclear plants have been licensed under redundant safety features in order to protect public health and safety, and the containment redundancy is missing from the AP1000. It is therefore critically important that the ACRS immediately extend its concern over containment integrity to the proposed AP1000 projects before any Federal funding is approved for construction of these reactors.

The AP1000 design is entirely different than previous reactor designs. Immediately outside the AP1000 steel containment is the so-called "shield building" that is as yet unapproved by the NRC. The AP1000 shield building does not collect radiation and trap it as in existing designs. Rather, the AP1000 shield building has a hole in its roof allowing radiation to escape. The AP1000 design uses a chimney effect to draw up contaminated air that leaks out of the steel containment and releases it directly into the environment through the hole in the roof. Radiation that leaks from the steel containment is neither captured nor filtered.

This gap between the concrete "shield building" and the AP1000 steel containment allows for numerous locations where rust can develop on the steel containment. Moisture and corrosive agents can flourish in this gap outside the containment. Inspection of these inaccessible locations in the AP1000 is extraordinarily difficult to detect until the rust creates a hole completely through the steel. Due to the unique AP1000 design features, the likelihood of a hole caused by rust in the AP1000 containment is much greater than the rust holes that have already occurred in existing steel containment liners.

The net effect of these AP1000 design differences is that it is more likely that a rust hole will develop that is the size of the hole at Beaver Valley. If an accident occurs with a hole of this size, the radiation dose to the population could be ten times greater than the NRC allows. It would be impossible to evacuate people quickly enough for them to exceed NRC emergency dose restrictions.

There is a solution to this problem but the NRC has not required Westinghouse to implement it. Implementing this solution would increase Westinghouse's construction costs. To my knowledge, Westinghouse has not evaluated previous industry experience with holes in containments and assumes radiation breaching the containment is an extremely remote probability event. This is an erroneous conclusion given the fact that there have already been four holes in U.S. reactor containment systems. When Westinghouse applies these extraordinarily low likelihoods of failure, it attempts to show that the AP1000 does not need to filter post accident releases. My analysis and that of an

Italian nuclear engineering professor indicate that the AP1000 should be required to install filters in the roof-hole of its "shield building" in order to capture any gases that may leak out of the containment and through a rust hole similar to that at Beaver Valley. This step must be taken to protect public health and safety.

I therefore call on the ACRS and the NRC to review the AP1000 containment design in light of existing containment failures.

I also call on the NRC and ACRS to require that all AP1000 reactors install filters in the roof of the shield building in order to protect the public health and safety.

Finally, I call for a licensing slowdown and a delay in federal funding of the AP1000 design until these issues are completely addressed.

###

From: Jaczko, Gregory
Sent: Wednesday, March 23, 2011 5:20 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Press Release: Nuclear Regulatory Commission Directs Staff on Continuing Agency Response to Japan Events; Adjusts Commission Schedule
Attachments: 11-055.docx

From: OPA Resource
Sent: Wednesday, March 23, 2011 5:20:10 PM
To: Ash, Darren; Barkley, Richard; Batkin, Joshua; Bell, Hubert; Belmore, Nancy; Bergman, Thomas; Bollwerk, Paul; Bonaccorso, Amy; Borchardt, Bill; Bozin, Sunny; Brenner, Eliot; Brock, Terry; Brown, Boris; Bubar, Patrice; Burnell, Scott; Burns, Stephen; Carpenter, Cynthia; Chandrathil, Prema; Clark, Theresa; Collins, Elmo; Couret, Ivonne; Crawford, Carrie; Cutler, Iris; Dacus, Eugene; Dapas, Marc; Davis, Roger; Dean, Bill; Decker, David; Dricks, Victor; Droggitis, Spiros; Flory, Shirley; Franovich, Mike; Gibbs, Catina; Haney, Catherine; Hannah, Roger; Harbuck, Craig; Harrington, Holly; Hasan, Nasreen; Hayden, Elizabeth; Holahan, Gary; Holahan, Patricia; Holian, Brian; Jacobssen, Patricia; Jaczko, Gregory; Jasinski, Robert; Jenkins, Verlyn; Johnson, Michael; Jones, Andrea; Kock, Andrea; Kotzalas, Margie; Ledford, Joey; Lee, Samson; Leeds, Eric; Lepre, Janet; Lew, David; Lewis, Antoinette; Loyd, Susan; Magwood, William; McCrary, Cheryl; McGrady-Finneran, Patricia; McIntyre, David; Mensah, Tanya; Mitlyng, Viktoria; Monninger, John; Montes, David; Nieh, Ho; Ordaz, Vonna; Ostendorff, William; Owen, Lucy; Powell, Amy; Quesenberry, Jeannette; Reddick, Darani; Regan, Christopher; Reyes, Luis; Riddick, Nicole; RidsSecyMailCenter Resource; Riley (OCA), Timothy; Rohrer, Shirley; Samuel, Olive; Satorius, Mark; Schaaf, Robert; Schmidt, Rebecca; Scott, Catherine; Screnci, Diane; Shaffer, Vered; Shane, Raeann; Sharkey, Jeffry; Sheehan, Neil; Sheron, Brian; Siurano-Perez, Osiris; Steger (Tucci), Christine; Svinicki, Kristine; Tabatabai, Omid; Tannenbaum, Anita; Taylor, Renee; Temp, WDM; Thomas, Ann; Uhle, Jennifer; Uselding, Lara; Vietti-Cook, Annette; Virgilio, Martin; Virgilio, Rosetta; Walker-Smith, Antoinette; Weaver, Doug; Weber, Michael; Weil, Jenny; Werner, Greg; Wiggins, Jim; Williams, Evelyn; Zimmerman, Roy; Zorn, Jason
Subject: Press Release: Nuclear Regulatory Commission Directs Staff on Continuing Agency Response to Japan Events; Adjusts Commission Schedule
Auto forwarded by a Rule

To be released in **15 minutes**.

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



NRC NEWS

U.S. NUCLEAR REGULATORY COMMISSION

Office of Public Affairs

Telephone: 301/415-8200

Washington, D.C. 20555-0001

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

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

No. 11-055

March 23, 2011

NUCLEAR REGULATORY COMMISSION DIRECTS STAFF ON CONTINUING AGENCY RESPONSE TO JAPAN EVENTS; ADJUSTS COMMISSION SCHEDULE

The Nuclear Regulatory Commission has voted to launch a two-pronged review of U.S. nuclear power plant safety in the aftermath of the March 11 earthquake and tsunami and the resulting crisis at a Japanese nuclear power plant.

The Commission supported the establishment of an agency task force, made up of current senior managers and former NRC experts with relevant experience. The task force will conduct both short- and long-term analysis of the lessons that can be learned from the situation in Japan, and the results of their work will be made public.

"Our focus is always on ensuring the health and safety of the American people through our licensing and oversight of plants and radioactive materials in this country," Chairman Jaczko said. "Examining all the available information from Japan is essential to understanding the event's implications for the United States. We will perform a systematic and methodical review to see if there are changes that should be made to our programs and regulations to ensure protection of public health and safety."

The Commission set an aggressive schedule for the task force to provide formal updates on the short-term effort in 30, 60 and 90 days. NRC senior technical staff provided the Commission a 90-minute briefing on Monday, as a first step. The staff reiterated their conclusions that the United States and its territories will avoid any harmful radiation levels as a result of the ongoing events at the Fukushima Daiichi plant damaged by the quake and subsequent tsunami.

NRC inspectors who are posted at every U.S. nuclear power plant will also support the task force's short-term effort, supplemented as necessary by experts from the agency's regional and headquarters offices.

"This work will help determine if any additional NRC responses, such as Orders requiring immediate action by U.S. plants, are called for, prior to completing an in-depth investigation of the information from events in Japan," said NRC Executive Director for Operations Bill Borchardt.

The longer-term review will inform any permanent NRC regulation changes determined to be necessary. The Commission said it hopes the task force can begin the long-term evaluation in no later than 90 days, and added that the task force should provide a report with recommended actions within six months of the beginning of that effort.

The Commission also decided to revise its schedule for meetings and briefings to allow ample focus on the agency's response to events in Japan. Open Commission meetings on the status of the NRC response to the Japan earthquake are scheduled for April 14 and 28, with a meeting on the staff's 30-day response planned for May 3. A revised Commission meeting schedule will be posted shortly on the NRC website.

###

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

From: Jaczko, Gregory
Sent: Wednesday, March 23, 2011 5:21 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Press Release: NRC Experts Deploy to Japan as Part of U.S. Government Response
Attachments: 11-055.pdf

From: OPA Resource
Sent: Wednesday, March 23, 2011 5:20:55 PM
To: Ash, Darren; Barkley, Richard; Batkin, Joshua; Bell, Hubert; Belmore, Nancy; Bergman, Thomas; Bollwerk, Paul; Bonaccorso, Amy; Borchardt, Bill; Bozin, Sunny; Brenner, Eliot; Brock, Terry; Brown, Boris; Bubar, Patrice; Burnell, Scott; Burns, Stephen; Carpenter, Cynthia; Chandrathil, Prema; Clark, Theresa; Collins, Elmo; Couret, Ivonne; Crawford, Carrie; Cutler, Iris; Dacus, Eugene; Dapas, Marc; Davis, Roger; Dean, Bill; Decker, David; Dricks, Victor; Droggitis, Spiros; Flory, Shirley; Franovich, Mike; Gibbs, Catina; Haney, Catherine; Hannah, Roger; Harbuck, Craig; Harrington, Holly; Hasan, Nasreen; Hayden, Elizabeth; Holahan, Gary; Holahan, Patricia; Holian, Brian; Jacobssen, Patricia; Jaczko, Gregory; Jasinski, Robert; Jenkins, Verlyn; Johnson, Michael; Jones, Andrea; Kock, Andrea; Kotzalas, Margie; Ledford, Joey; Lee, Samson; Leeds, Eric; Lepre, Janet; Lew, David; Lewis, Antoinette; Loyd, Susan; Magwood, William; McCrary, Cheryl; McGrady-Finneran, Patricia; McIntyre, David; Mensah, Tanya; Mittyng, Viktoria; Monninger, John; Montes, David; Nieh, Ho; Ordaz, Vonna; Ostendorff, William; Owen, Lucy; Powell, Amy; Quesenberry, Jeannette; Reddick, Darani; Regan, Christopher; Reyes, Luis; Riddick, Nicole; RidsSecyMailCenter Resource; Riley (OCA), Timothy; Rohrer, Shirley; Samuel, Olive; Satorius, Mark; Schaaf, Robert; Schmidt, Rebecca; Scott, Catherine; Scenci, Diane; Shaffer, Vered; Shane, Raeann; Sharkey, Jeffry; Sheehan, Neil; Sheron, Brian; Siurano-Perez, Osiris; Steger (Tucci), Christine; Svinicki, Kristine; Tabatabai, Omid; Tannenbaum, Anita; Taylor, Renee; Temp, WDM; Thomas, Ann; Uhle, Jennifer; Uselding, Lara; Vietti-Cook, Annette; Virgilio, Martin; Virgilio, Rosetta; Walker-Smith, Antoinette; Weaver, Doug; Weber, Michael; Weil, Jenny; Werner, Greg; Wiggins, Jim; Williams, Evelyn; Zimmerman, Roy; Zorn, Jason
Subject: Press Release: NRC Experts Deploy to Japan as Part of U.S. Government Response
Auto forwarded by a Rule

To be released in 15 minutes.

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



NRC NEWS

U.S. NUCLEAR REGULATORY COMMISSION

Office of Public Affairs Telephone: 301/415-8200

Washington, D.C. 20555-0001

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

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

No. 11-055

March 23, 2011

NUCLEAR REGULATORY COMMISSION DIRECTS STAFF ON CONTINUING AGENCY RESPONSE TO JAPAN EVENTS; ADJUSTS COMMISSION SCHEDULE

The Nuclear Regulatory Commission has voted to launch a two-pronged review of U.S. nuclear power plant safety in the aftermath of the March 11 earthquake and tsunami and the resulting crisis at a Japanese nuclear power plant.

The Commission supported the establishment of an agency task force, made up of current senior managers and former NRC experts with relevant experience. The task force will conduct both short- and long-term analysis of the lessons that can be learned from the situation in Japan, and the results of their work will be made public.

“Our focus is always on ensuring the health and safety of the American people through our licensing and oversight of plants and radioactive materials in this country,” Chairman Jaczko said. “Examining all the available information from Japan is essential to understanding the event’s implications for the United States. We will perform a systematic and methodical review to see if there are changes that should be made to our programs and regulations to ensure protection of public health and safety.”

The Commission set an aggressive schedule for the task force to provide formal updates on the short-term effort in 30, 60 and 90 days. NRC senior technical staff provided the Commission a 90-minute briefing on Monday, as a first step. The staff reiterated their conclusions that the United States and its territories will avoid any harmful radiation levels as a result of the ongoing events at the Fukushima Daiichi plant damaged by the quake and subsequent tsunami.

NRC inspectors who are posted at every U.S. nuclear power plant will also support the task force’s short-term effort, supplemented as necessary by experts from the agency’s regional and headquarters offices.

“This work will help determine if any additional NRC responses, such as Orders requiring immediate action by U.S. plants, are called for, prior to completing an in-depth investigation of the information from events in Japan,” said NRC Executive Director for Operations Bill Borchardt.

The longer-term review will inform any permanent NRC regulation changes determined to be necessary. The Commission said it hopes the task force can begin the long-term evaluation in no later than 90 days, and added that the task force should provide a report with recommended actions within six months of the beginning of that effort.

The Commission also decided to revise its schedule for meetings and briefings to allow ample focus on the agency's response to events in Japan. Open Commission meetings on the status of the NRC response to the Japan earthquake are scheduled for April 14 and 28, a meeting on the staff's 30-day response is planned for May 3 and a meeting on the staff's 60-day response is planned for June 16. A revised Commission meeting schedule will be posted shortly on the NRC website.

###

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

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Wednesday, March 23, 2011 6:14 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Japan

From: Nils Diaz[SMTP:NILS.DIAZ@ND2GROUP.COM]
Sent: Wednesday, March 23, 2011 6:14:00 PM
To: Jaczko, Gregory
Subject: Japan
Auto forwarded by a Rule

Greg, there have been too many unfinished and untimely tasks in the efforts to reduce Japan's accidents to expectations. A few hours ago, someone called from Europe and commented that the USG should have a Special Envoy in Japan for a short time to ensure coordination of activities, communications, etc. The more I think about, the better it sounds.

The right person could bring cohesion and expertise to our side and to our support efforts, and would demonstrate our commitment to support Japan and ease a global crisis, with all due respect to the JG. There is also an issue of plausible deniability, world leadership, empathy with suffering and our interests, to name a few.

I believe I have some credibility with Secretary Clinton, maybe some through Pete Lyons with Secretary Chu and hopefully with you.

An Special Envoy for the nuclear crisis in Japan should have at least 40 years of experience in nuclear power issues, credibility in the US and abroad, capability to communicate on issues from reactor technology and accidents to radiological consequences to diplomacy. It would probably help if he/she is charming, intelligent and very humble!

Cheers,
Nils

Nils J. Diaz
Managing Director
The ND2 Group, LLC

From: Jaczko, Gregory
Sent: Wednesday, March 23, 2011 10:17 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: ops center update

From: Zimmerman, Roy
Sent: Wednesday, March 23, 2011 10:17:17 PM
To: Jaczko, Gregory
Cc: Virgilio, Martin; Weber, Michael
Subject: ops center update
Auto forwarded by a Rule

Priorities: 1) focus on the largest source terms (the reactors have the largest source term), 2) pump larger quantities of water into the vessels, and 3) start to inject fresh water to the reactor vessel.

Unit 1: apparently pumping fresh water to the core (Tepco), plan is stable. Spent fuel pool: injecting less seawater, able to handle heat being generated.

Unit 2: stable, not planning to spray SFP since 50 tons was injected recently to S

Unit 3: black smoke no longer being emitted. 535 tons of seawater injected to spent fuel pool, concerns about damage to the primary containment

Unit 4: cement vehicles to pump seawater into SFP.

Some reports that Unit 5 has operable RHR pump back after electrical swapover. Other report says will be completed tomorrow. Either way, news is positive.

In-country team believes that there may be some degree of continuous release from unit 2 and possibly unit 3.

Interagency working group stood up to discuss tripwire for possible changes in decision making based on concerns for chronic ongoing release.

Expect Japan to ask for assistance to supply KI...NRC has no KI....likely work with HHS (CDC) if request comes in. .

INPO indicates it has ability to supply 1 million doses of KI to Japan.

Working to change out some of our NRC in-country team. You will be consulted regarding thoughts about maintaining or changing out members of the mgmt team.

We will send Julie Bentz, OSTP, a representative sample of about a dozen of the 90 pictures we received of the units at the site. We are annotating the pictures with the units and locations of the core and SFP. We intend to complete on our shift.

Japan appreciated the severe accident guidelines NRC provided and realized the challenges that lie ahead for them.

Japan also showed interest in an unmanned Lockheed helicopter that could be used for aerial reconnaissance, also interest in the pumping station sent from Australia, and in floating barges to house fresh water for injection into the plants.

We are working on a draft info notice for consideration during day shift requesting US plants report unusual rad data detected at their monitoring stations. We would then provide the input to federal partners as appropriate. There are a couple schools of thought: some who support the IN being issued and others that feel we should take NEI up on their offer to collect the data for us.

Overall, we feel that some progress has been made, although there are still plenty of questions. Chuck was in good spirits this evening. Hope you have a restful night. Roy Z

From: Marshall, Michael
Sent: Wednesday, March 23, 2011 10:33 PM
To: Coggins, Angela; Batkin, Joshua; Loyd, Susan; Pace, Patti; Warren, Roberta; Pearson, Laura; Dhir, Neha; Clark, Lisa; Speiser, Herald; Montes, David; Bradford, Anna; Fopma, Melody
Cc: Hipschman, Thomas
Subject: Highlights of 03/23/11 8:00pm Commission Assistant Brief

A unit by unit update was not provided.

- NRC and TEPCO focus has shifted from the spent fuel pools back to the reactors. TEPCO is looking for options to switch from sea water injection to fresh water injection.

-

(b)(5)

- Japanese are looking for more KI. Japanese would make the KI available to Americans in Japan. INPO has a possible source of KI.
- INPO has a representative in Japan. INPO is still interested in knowing which US Federal agency will be the point of contact for activities in Japan.

(b)(5)
- TEPCO has sent NRC about 90 hi res photos of the Fukushima Daiichi site. Op center is working with OIS to set up a limited access SharePoint site to share photos within the NRC. A selected set of the photos will be shared with the White House.
- NRC has drafted another Information Notice similar to an information notice issued after Chernobyl inviting licensees to voluntarily provide elevated radiological readings to the NRC. Several NRC licensees have reported measureable readings of iodine. NRC plans to provide readings to EPA, then eventually to other Federal agencies.
-
- NRC is looking to change out in-country team with the possible exception of the team leaders, which include Chuck Casto, John Monninger, and Dan Dorman.

From: Pace, Patti
Sent: Thursday, March 24, 2011 6:20 AM
To: Foggie, Kirk; Emche, Danielle
Cc: Doane, Margaret; Batkin, Joshua; Monninger, John; Smith, Brooke; Warren, Roberta; Speiser, Herald; Bradford, Anna; Coggins, Angela
Subject: Re: NISA Call-in number

Thanks, Kirk. Our office will initiate the call at the designated time.
Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: Foggie, Kirk
To: Emche, Danielle
Cc: Doane, Margaret; Pace, Patti; Batkin, Joshua; Monninger, John; Smith, Brooke
Sent: Thu Mar 24 06:02:15 2011
Subject: NISA Call-in number

All,

The call between the Chairman and the NISA Director General is confirmed for Thursday evening March 24 at 5:30 pm (EST). The number for the Chairman to call is +81-3-5512-8501, wait for a signal then press 503. I have also provided the Japanese with the Chairman's general office number.

Kirk

From: Pace, Patti
Sent: Thursday, March 24, 2011 6:23 AM
To: Foggie, Kirk
Subject: Re: NISA Call-in number

P.S. Hope you and our team are doing well! You are doing such important work and I think about our team in Japan all the time. You have a lot of support over here. Keep up the good work!!

Patti Pace

U.S. Nuclear Regulatory Commission
(301) 415-1820

From: Foggie, Kirk
To: Emche, Danielle
Cc: Doane, Margaret; Pace, Patti; Batkin, Joshua; Monninger, John; Smith, Brooke
Sent: Thu Mar 24 06:02:15 2011
Subject: NISA Call-in number

All,

The call between the Chairman and the NISA Director General is confirmed for Thursday evening March 24 at 5:30 pm (EST). The number for the Chairman to call is +81-3-5512-8501, wait for a signal then press 503. I have also provided the Japanese with the Chairman's general office number.

Kirk

From: Pace, Patti
Sent: Thursday, March 24, 2011 7:08 AM
To: Speiser, Herald
Subject: Fw: NISA Call-in number

Could you please add this for today? Also, please reach out to Danielle to ask if she will be coordinating background/talking points and interpreter. Thanks!!

Patti Pace

U.S. Nuclear Regulatory Commission
(301) 415-1820

From: Foggie, Kirk
To: Emche, Danielle
Cc: Doane, Margaret; Pace, Patti; Batkin, Joshua; Monninger, John; Smith, Brooke
Sent: Thu Mar 24 06:02:15 2011
Subject: NISA Call-in number

All,

The call between the Chairman and the NISA Director General is confirmed for Thursday evening March 24 at 5:30 pm (EST). The number for the Chairman to call is +81-3-5512-8501, wait for a signal then press 503. I have also provided the Japanese with the Chairman's general office number.

Kirk

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Thursday, March 24, 2011 7:11 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: NRC News Summary for Thursday, March 24, 2011
Attachments: NRCSummary110324.doc; NRCSummary110324.pdf; NRCClips110324.doc; NRCClips110324.pdf

From: Bulletin News[SMTP:NRC-EDITORS@BULLETINNEWS.COM]
Sent: Thursday, March 24, 2011 7:10:31 AM
To: NRC-editors@bulletinnews.com
Subject: NRC News Summary for Thursday, March 24, 2011
Auto forwarded by a Rule

This morning's Nuclear Regulatory Commission News Summary and Clips are attached.

Website: You can also read today's briefing, including searchable archive of past editions, at <http://www.BulletinNews.com/nrc>.

Full-text Links: Clicking the hypertext links in our write-ups will take you to the newspapers' original full-text articles.

Interactive Table of Contents: Clicking a page number on the table of contents page will take you directly to that story.

Contractual Obligations and Copyright: This copyrighted material is for the internal use of Nuclear Regulatory Commission employees only and, by contract, may not be redistributed without BulletinNews' express written consent.

Contact Information: Please contact us any time at 703-483-6100 or NRC-Editors@BulletinNews.com. Use of this email address will automatically result in your message being delivered to everyone involved with your service, including senior management. Thank you.

From: Jaczko, Gregory
Sent: Thursday, March 24, 2011 7:18 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: I'm on the bridge

From: Batkin, Joshua
Sent: Thursday, March 24, 2011 7:18:22 AM
To: Jaczko, Gregory
Subject: I'm on the bridge
Auto forwarded by a Rule

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Hipschman, Thomas
Sent: Thursday, March 24, 2011 7:54 AM
To: Loyd, Susan; Coggins, Angela; Montes, David; Pearson, Laura; Warren, Roberta; Batkin, Joshua; Pace, Patti; Monninger, John; Bradford, Anna; Dhir, Neha; Clark, Lisa; Fopma, Melody; Speiser, Herald; Gibbs, Catina
Subject: March 25 0730 Briefing

NISA press conference in Japan indicated injecting fresh water into Unit 1. Seawater continues to Unit 3. No idea of flow rate, but believed to be small.

Believe containment integrity for all units is now questionable

TEPCO is working on Unit 5 RHR pump to get a new motor installed

480v power has been restored to units 1-4, but limited use due to damaged electrical distribution
Detection of radioactivity continues in Japan. Continuing to assess

(b)(5)

Bechtel components still arriving in Yokota. Some components that have arrived, still sitting in Yokota since Japanese have not requested.

From: Jaczko, Gregory
Sent: Thursday, March 24, 2011 8:32 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Mike Weber Talking Points on DOE letter - March 24.docx
Attachments: Mike Weber Talking Points on DOE letter - March 24.docx

From: Ross-Lee, MaryJane
Sent: Thursday, March 24, 2011 8:32:09 AM
To: Jaczko, Gregory; Batkin, Joshua
Cc: Weber, Michael; LIA06 Hoc; LIA08 Hoc
Subject: FW: Mike Weber Talking Points on DOE letter - March 24.docx
Auto forwarded by a Rule

Chairman for your consideration in the phone call with Secretary Chu.

From: McGinty, Tim
To: McDermott, Brian
Cc: LIA07 Hoc
Sent: Thu Mar 24 03:48:52 2011
Subject: Mike Weber Talking Points on DOE letter - March 24.docx

Brian – proposed talking points for Mike Webber, to reach out to Pete Lyons today

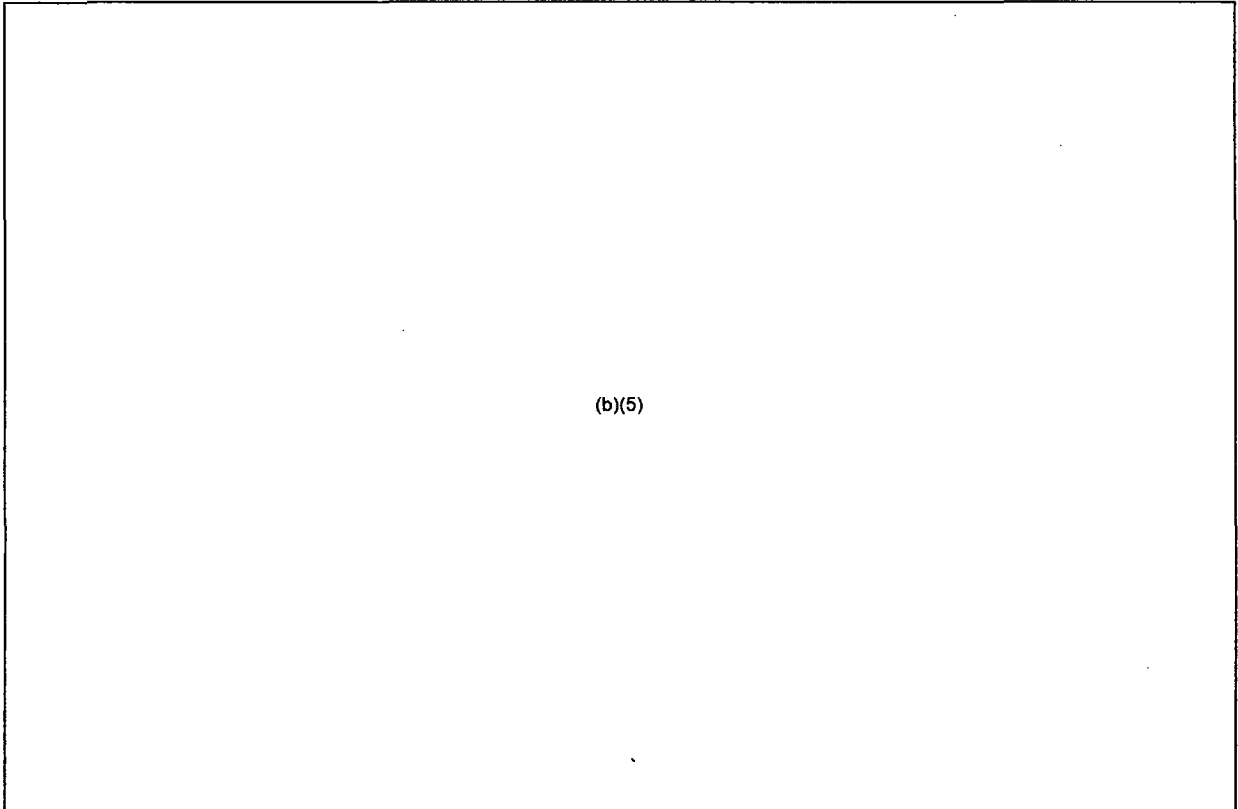
(b)(5)

(b)(5)

Tim

March 24, 2011 – 0500 EDT

Proposed Discussion points for Mike Weber/Chairman



From: Hipschman, Thomas
Sent: Thursday, March 24, 2011 10:39 AM
To: Marshall, Michael; Snodderly, Michael; Franovich, Mike; Castleman, Patrick; Orders, William
Subject: SharePoint link for Fukushima photos

The Ops center let me know that NRR has given space on their SharePoint site to post the digital photos from Japan. The Ops Center is still uploading the photos that they received on DVD this morning and should be done shortly. There are no special access requirements to view them and they can be accessed here:

<http://portal.nrc.gov/edo/nrr/NRR%20TA/FAQ%20Related%20to%20Events%20Occuring%20in%20Japan/Forms/AllItems.aspx?View=%7b282DC699%2dFA97%2d430B%2da1F9%2d6008558261C5%7d&RootFolder=%2fedo%2fnrr%2fNRR%20TA%2fFAQ%20Related%20to%20Events%20Occuring%20in%20Japan%2fFukushima%20Daiichi%20Aerial%20Photos>

Tom

Thomas Hipschman
Policy Advisor for Reactors
Office of Chairman Gregory B. Jaczko
301-415-1832

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Thursday, March 24, 2011 12:03 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Innovative motor starters for pumps at nuclear plants

From: Robert Chong[SMTP:RCHONG@CEREBRALNETWORKS.COM]
Sent: Thursday, March 24, 2011 12:03:02 PM
To: Jaczko, Gregory
Subject: Innovative motor starters for pumps at nuclear plants
Auto forwarded by a Rule

March 24, 2011

Gregory B. Jaczko,

Chairman, U.S. Nuclear Regulatory Commission

Dear Dr. Jaczko,

Fukushima has illustrated the importance of the reliable functioning of the pumping system, especially in the event of reduced power available during an emergency.

You may be exploring more reliable and less resource-demanding pump starting system. We have a unique system that can start an industrial pump at a very low current and may be of interest to you.

Starting a pump Direct-on-Line needs 600% of the rated current. A compromised power delivery system at a nuclear power plant may not be able to deliver enough current to start the pumps.

Our FCMA soft starters, based on an innovative electromagnetic technology, can start pumps at only 150% of the rated current or lower. FCMA soft starters also enable motors to start on a much smaller diesel /gas generators or smaller transformers, as may be the case in an emergency. We have extensive experience with these applications.

To the best of our information, our FCMA soft starters can offer the lowest starting current when compared to all other technologies in the world.

FCMA soft starters are designed for seismic conditions, when specified.

We have supplied over 5,000 Electromagnetic FCMA soft starters for large motors and arguably have the largest reference list in the world. The largest FCMA we have supplied is for 15.79 MW (21,300 HP) pumps. Since the coolant pumps and sea / river water pumps at nuclear power plants are much smaller, we have no problem starting any of those pumps.

We would like to make a presentation to your technical team about the advantages of the FCMA soft starting technology and its relevance to Nuclear power plants to enhance safety and reliability of the cooling system.

All the Nuclear power plants in India use our FCMA soft starters for starting coolant pumps in view of FCMA's robust construction, high reliability and no maintenance needed.

We also have a patented technology for Fault Current Limiters that operate at ambient temperature instead of the conventional super-conducting technology. FCLs can also enhance the reliability of a Nuclear Power plant.

Our Co-Founder, Mr. Prafulla Deo is visiting Washington DC to present a paper on our technologies at IEEE conference on Electric Ships on April 12, 2011. We are available for meeting your team on any day from April 11 to April 14.

Please let us know the time and place convenient to your technical team for the meeting.

Sincerely,

Tushar P Shah

Co-Founder

Innovative Technomics USA LLC

(201) 484-0095
tushar.shah@innovativetechusa.com

Robert Chong

Business Development Manager

Innovative Technomics USA LLC

(917) 582-2743
robert.chong@innovativetechusa.com

From: Loyd, Susan
Sent: Thursday, March 24, 2011 1:37 PM
To: Batkin, Joshua; Coggins, Angela
Cc: Dhir, Neha
Subject: DRAFT Oral Testimony for House Approps March 31
Attachments: Chairman ORAL Testimony for 3.31.11.DRAFT.docx

Here is the draft ORAL testimony for the House Appropriations Subcommittee on Thurs, March 31. (b)(5)

(b)(5)

(b)(5)

Please let me know what you think ASAP.

I am going to now turn to the Senate Approps, testimony for next Weds. I have to do both written and oral for that one, so am scrambling. Thanks.

Susan K. Loyd
Communications Director
Office of the Chairman
U.S. Nuclear Regulatory Commission
Tele: 301-415-1838
Susan.Loyd@nrc.gov

STATEMENT
BY GREGORY B. JACZKO, CHAIRMAN
UNITED STATES NUCLEAR REGULATORY COMMISSION
TO THE
HOUSE COMMITTEE ON APPROPRIATIONS
ENERGY AND WATER DEVELOPMENT AND RELATED AGENCIES
MARCH 31, 2011

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

From: Hipschman, Thomas
Sent: Thursday, March 24, 2011 2:09 PM
To: Marshall, Michael; Snodderly, Michael; Franovich, Mike; Castleman, Patrick; Orders, William
Subject: FW: Photos 2
Attachments: Photos_2.doc

Thomas Hipschman
Policy Advisor for Reactors
Office of Chairman Gregory B. Jaczko
301-415-1832

From: ET02 Hoc
Sent: Thursday, March 24, 2011 2:02 PM
To: Hipschman, Thomas
Cc: FOIA Response.hoc Resource
Subject: FW: Photos 2

Per your request (3 of 3)...karen jackson

From: LIA08 Hoc
Sent: Thursday, March 24, 2011 1:53 PM
To: ET02 Hoc
Subject: FW: Photos 2

Copy of what I sent to the White House last night. Jeff Temple

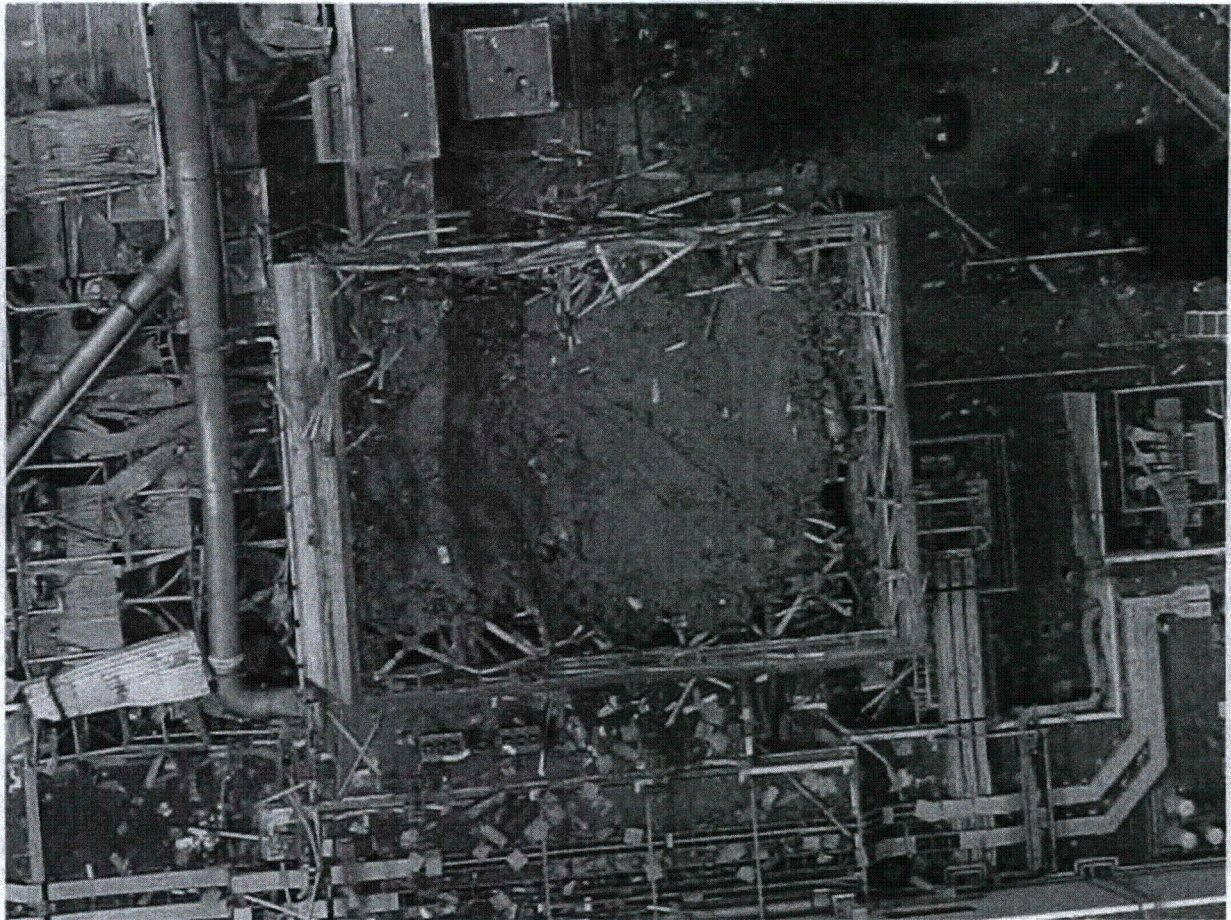
From: LIA08 Hoc
Sent: Wednesday, March 23, 2011 10:22 PM
To: (b)(6)
Subject: FW: Photos 2

Julie...first of three emails with Japan nuclear plant photos, provided I believe by TEPCO.

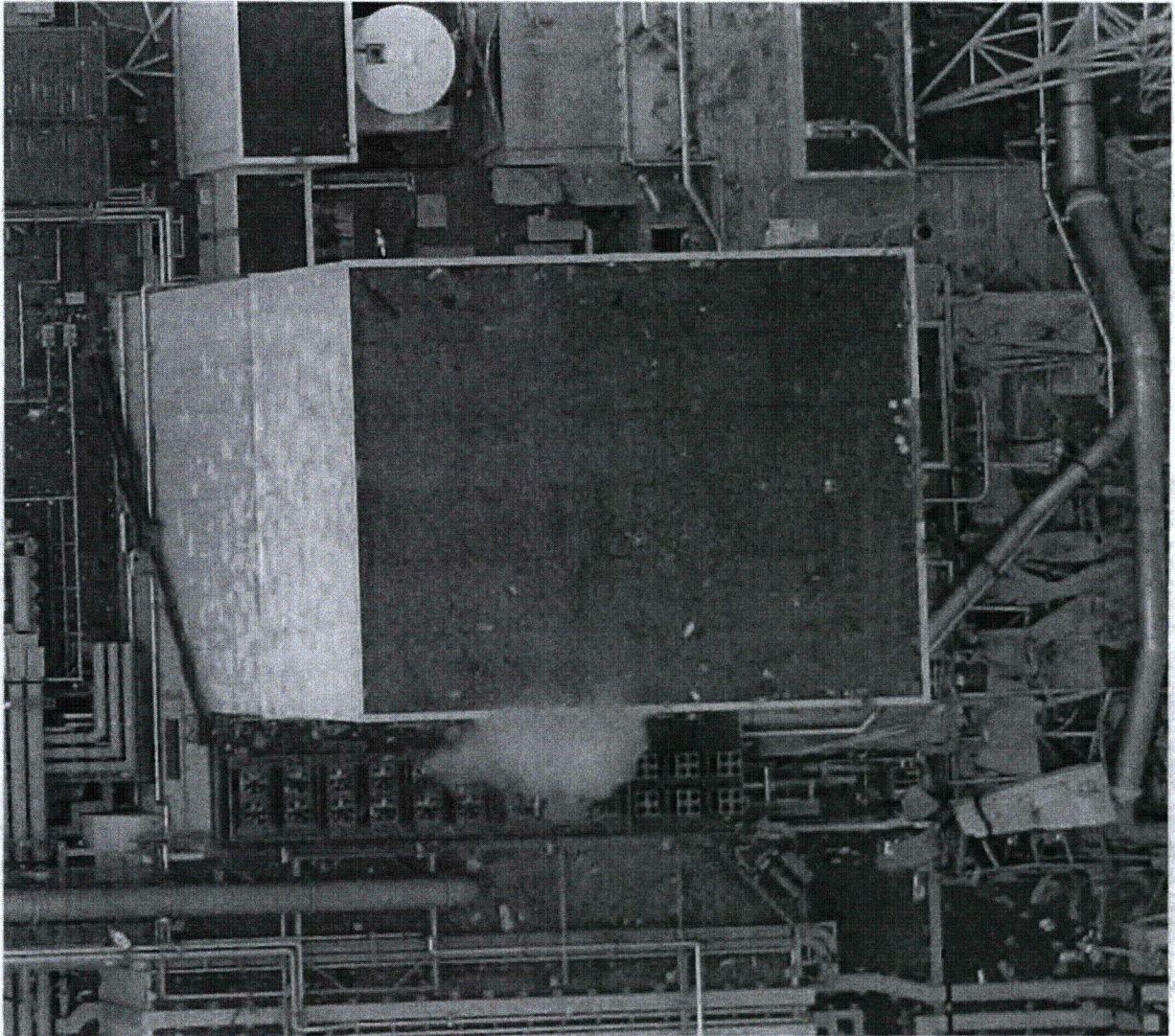
Jeff Temple
Response Program Manager
US NRC
3012-816-5185

From: RST09 Hoc
Sent: Wednesday, March 23, 2011 10:14 PM
To: LIA08 Hoc
Subject: FW: Photos 2

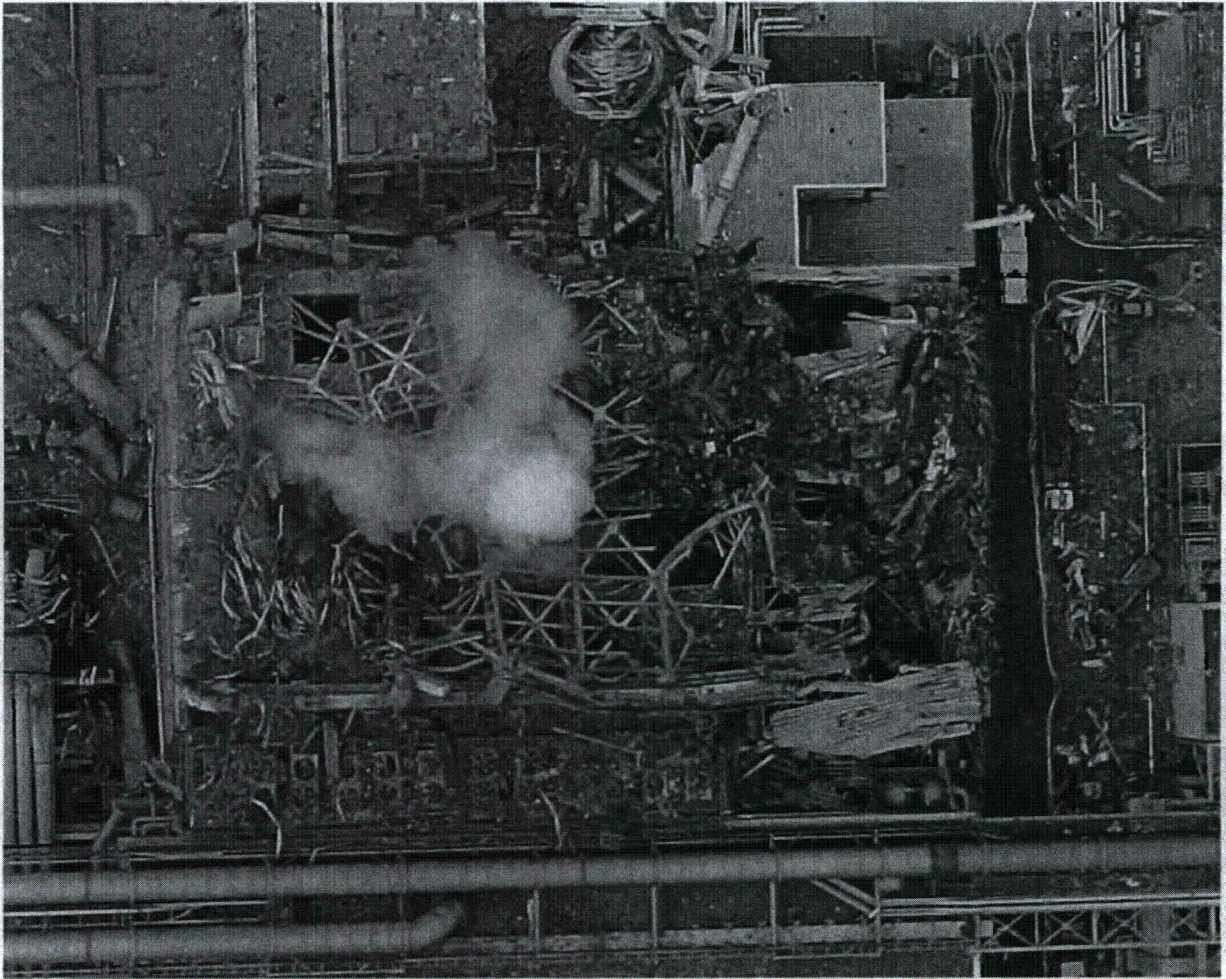
From: RST09 Hoc
Sent: Wednesday, March 23, 2011 10:12 PM
To: LIA01 Hoc
Subject: FW: Photos 2



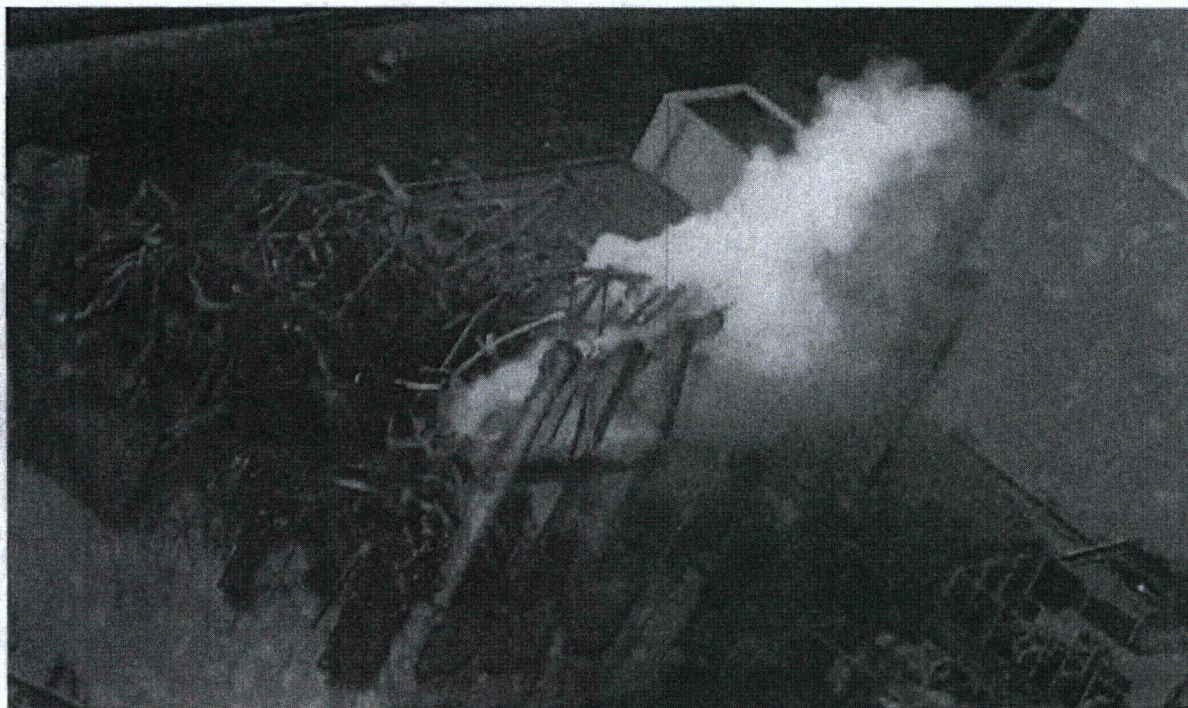
Fukushima Daiichi Nuclear Power Station, Unit 1 (Overhead View, March 20, 2011: TEPCO)



Fukushima Daiichi Nuclear Power Station, Unit 2 (Overhead View, March 20, 2011: TEPCO)



Fukushima Daiichi Nuclear Power Station, Unit 3 (Overhead View, March 20, 2011: TEPCO)



Fukushima Daiichi Nuclear Power Station, Unit 3 (March 18, 2011: TEPCO)

From: Hipschman, Thomas
Sent: Thursday, March 24, 2011 2:09 PM
To: Marshall, Michael; Snodderly, Michael; Franovich, Mike; Castleman, Patrick; Orders, William
Subject: FW: Photos 3
Attachments: Photos_3.doc

FYI

Thomas Hipschman
Policy Advisor for Reactors
Office of Chairman Gregory B. Jaczko
301-415-1832

From: ET02 Hoc
Sent: Thursday, March 24, 2011 2:01 PM
To: Hipschman, Thomas
Cc: FOIA Response.hoc Resource
Subject: FW: Photos 3

Per your request (1 of 3)...karen jackson

From: LIA08 Hoc
Sent: Thursday, March 24, 2011 1:54 PM
To: ET02 Hoc
Subject: FW: Photos 3

Third of 3 emails sent to the White House last night. Jeff

From: LIA08 Hoc
Sent: Wednesday, March 23, 2011 10:23 PM
To: (b)(6)
Subject: FW: Photos 3

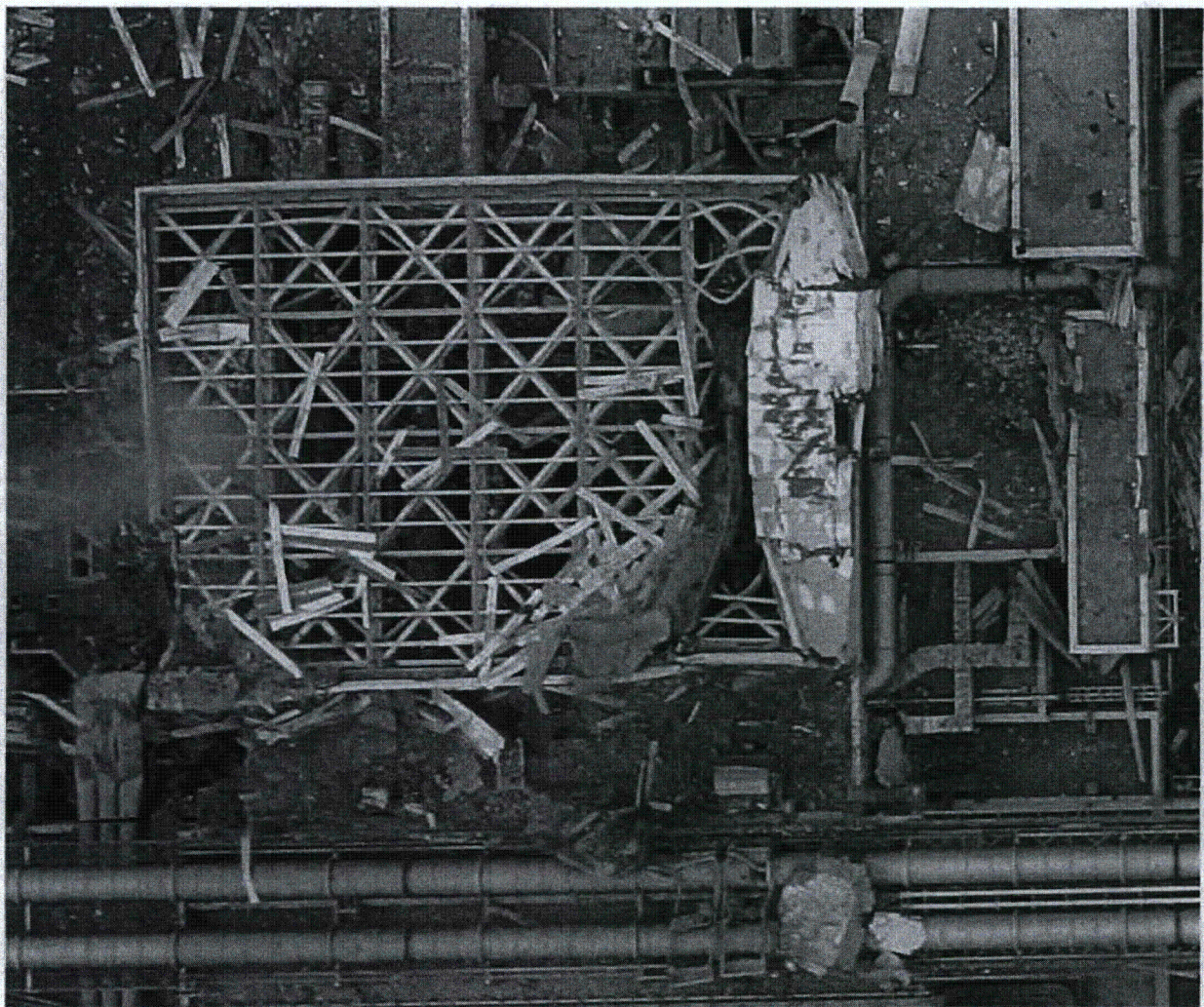
Third of three picture sets. Call if you need any clarification.

Jeff Temple
US NRC

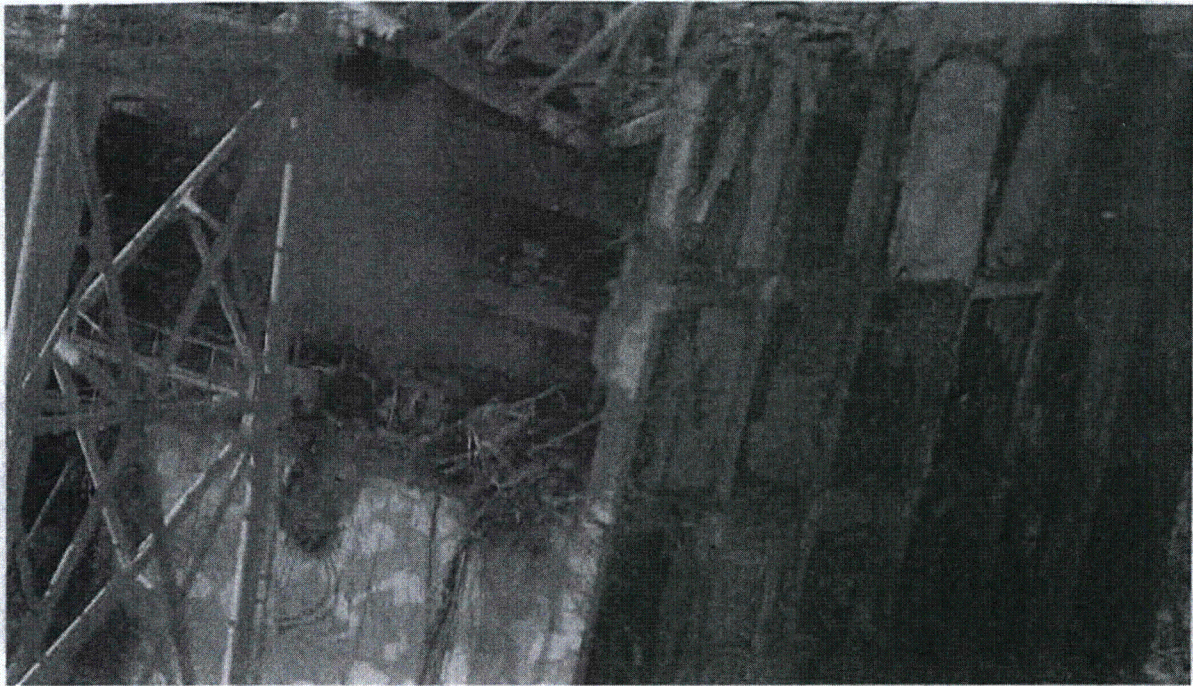
From: RST09 Hoc
Sent: Wednesday, March 23, 2011 10:14 PM
To: LIA08 Hoc
Subject: FW: Photos 3

From: RST09 Hoc
Sent: Wednesday, March 23, 2011 10:13 PM

To: LIA01 Hoc
Subject: FW: Photos 3



Fukushima Daiichi Nuclear Power Station, Unit 4 (Overhead View, March 20, 2011: TEPCO)



Fukushima Daiichi Nuclear Power Station Unit 4, Operation Floor
(March 18, 2011: TEPCO)



Fukushima Daiichi Nuclear Power Station Unit 4, (View from Ground: TEPCO)

From: Jaczko, Gregory
Sent: Friday, March 25, 2011 5:56 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: UPDATED 0430 EDT (March 25, 2011) USNRC Earthquake/Tsunami Status Update
Attachments: NRC Status Update 3.25.11--0430.pdf

From: LIA07 Hoc
Sent: Friday, March 25, 2011 5:56:05 AM
Cc: LIA07 Hoc
Subject: UPDATED 0430 EDT (March 25, 2011) USNRC Earthquake/Tsunami Status Update
Auto forwarded by a Rule

Attached, please find an UPDATED 0430 EDT (March 25, 2011) status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

The original incorrectly reported that the radiation level at the main gate at Fukushima Daiichi (approximately 3281 feet from the Unit 2 building) was 204.5 mSv/hr vice the correct level of 204.5 μ Sv/hr.

Please note that the NRC has moved the publication time of this document from 0600 to 0430 to better serve the needs of its team in Japan.

The original 1800 SITREP incorrectly reported that the radiation level at the main gate at Fukushima Dai-ichi (approximately 3281 feet from the Unit 2 building) was 204.5 mSv/hr vice the correct level of 204.5 micro Sv/hr.

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)

From: Jaczko, Gregory
Sent: Thursday, March 24, 2011 6:22 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Update for Go Books - 1800 EDT, March 24, 2011
Attachments: Talking Points 13.pdf; QA Price-Anderson Act 3-24-2011.pdf; TEPCO Press Release 145.pdf; TEPCO Press Release 133.pdf; TEPCO Press Release 134.pdf; TEPCO Press Release 135.pdf; TEPCO Press Release 136.pdf; TEPCO Press Release 137.pdf; TEPCO Press Release 138.pdf; TEPCO Press Release 139.pdf; TEPCO Press Release 140.pdf; TEPCO Press Release 141.pdf; TEPCO Press Release 142.pdf; TEPCO Press Release 143.pdf; TEPCO Press Release 144.pdf; ET Chronology 3-24-11 1800.pdf; USNRC Earthquake-Tsunami Update.032411.1800EDT.pdf; March 24 1515EDT one pager (3).docx

From: LIA07 Hoc
Sent: Thursday, March 24, 2011 6:21:19 PM
To: Borchardt, Bill; Bradford, Anna; Cohen, Shari; Cooper, LaToya; Dyer, Jim; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walls, Lorena; Weber, Michael
Subject: Update for Go Books - 1800 EDT, March 24, 2011
Auto forwarded by a Rule

Please find attached updated information for the "Go Books".

The updates include:

- The 1800 EDT, 03/24/11 Status Update
- The latest ET Chronology
- The latest TEPCO Press Releases (Numbers 133-145)
- NRC Talking Points (Talking Points 13 and Q&A Price-Anderson Act)
- "One Pager" (1515 EDT, 03/24/11)

Please let me know if you have any questions or concerns.

-Sara

Sara 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: OST04 Hoc
Sent: Thursday, March 24, 2011 6:11 PM

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Friday, March 25, 2011 4:38 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: <<< Water Radiation 10,000 Times Above Normal >>>

From: (b)(6) on behalf of Thomas Saporito[SMTP:THOMAS@SAPRODANI-ASSOCIATES.COM]
Sent: Friday, March 25, 2011 4:36:53 AM
Subject: <<< Water Radiation 10,000 Times Above Normal >>>
Auto forwarded by a Rule

[Please Click Here](#)

Thomas Saporito, Senior Consulting Associate
Email: thomas@saprodani-associates.com
Web: <http://Saprodani-Associates.com>
Post Office Box 8413, Jupiter, Florida 33468
Phone: (561) 972-8363 Fax: (561) 247-6404
Saprodani-Associates - Advocate/GreenPeace USA

From: Jaczko, Gregory
Sent: Friday, March 25, 2011 6:25 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Update for Go Books - 0600 EDT, March 25, 2011
Attachments: NRC Status Update 3.25.11--0430.pdf; TEPCO Press Release 149.pdf; TEPCO Press Release 150.pdf; TEPCO Press Release 151.pdf; TEPCO Press Release 152.pdf; TEPCO Press Release 146.pdf; TEPCO Press Release 147.pdf; TEPCO Press Release 148.pdf; ET Chronology 3-25-11 0600.pdf; March 25 0600 EDT one pager _3_.pdf

From: LIA07 Hoc
Sent: Friday, March 25, 2011 6:25:01 AM
To: Borchardt, Bill; Bradford, Anna; Cohen, Shari; Cooper, LaToya; Dyer, Jim; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walls, Lorena; Weber, Michael
Subject: Update for Go Books - 0600 EDT, March 25, 2011
Auto forwarded by a Rule

Please find attached updated information for the "Go Books".

The updates include:

- The 0430 EDT, 03/25/11 Status Update – **Please note that the time of publication for this has moved to 0430 to better serve the needs of the team in Japan.**
- The latest ET Chronology
- The latest TEPCO Press Releases (Numbers 146-152)
- "One Pager" (0600 EDT, 03/25/11)

Please let me know if you have any questions or concerns.

-Jim

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

From: Jaczko, Gregory
Sent: Friday, March 25, 2011 9:07 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Sit reps of reactor status

From: Schmidt, Rebecca
Sent: Friday, March 25, 2011 9:06:30 AM
To: Jaczko, Gregory
Subject: Re: Sit reps of reactor status
Auto forwarded by a Rule

They started tuesday or wednesday--just the Japanese plant status. We sent Michal's to answer their letter and then we sent one to staff directors for EPW, E and C and appropriations. They are going daily. Sorry about Wisconsin

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

From: Jaczko, Gregory
To: Schmidt, Rebecca
Sent: Fri Mar 25 08:50:34 2011
Subject: Sit reps of reactor status

Are they going to the hill yet? If not can we get that done today

From: Bradford, Anna
Sent: Friday, March 25, 2011 9:55 AM
To: Hipschman, Thomas; Marshall, Michael
Subject: FW: Background information for call with Amb. Fujisaki
Attachments: 3-25-2011 Chairman Jaczko-Ambassador Fujisaki (3).docx; Bechtel Pump Sys Chron.docx; 03-25-11 0430 RST Assessment Document.docx; March 25 0600 EDT one pager (3) (3).doc; 2011 03 25 Reentry guidance.doc; Fukushima Daiichi Summary-0530 EDT 3-25-2011.pptx; MEMORANDUM TO.docx; Talking Points for Chairman Jaczko.docx

Importance: High

Just FYI, some of the attachments may be of interest to you.

Anna Bradford
Policy Advisor for Nuclear Materials
Office of Chairman Jaczko
U.S. Nuclear Regulatory Commission
301-415-1827

From: Schwartzman, Jennifer
Sent: Friday, March 25, 2011 9:53 AM
To: Pace, Patti; Batkin, Joshua; Warren, Roberta; Bradford, Anna
Cc: Doane, Margaret; Ramsey, Jack; Mamish, Nader
Subject: Background information for call with Amb. Fujisaki
Importance: High

Good morning,

As requested, please find the material electronically. Thank you!

Jennifer Schwartzman Holzman
Office of International Programs
U.S. Nuclear Regulatory Commission
+1-301-415-2317
jennifer.schwartzman@nrc.gov

NOTE: Please note new email address above. My old email address, jks1@nrc.gov, will no longer work on this system. Please update your contact lists accordingly.*

(b)(5)

OFFICIAL USE ONLY

From: Snodderly, Michael
Sent: Friday, March 25, 2011 12:19 PM
To: Franovich, Mike; Castleman, Patrick; Orders, William; Marshall, Michael; Hipschman, Thomas
Subject: FW: Budnitz PSA 2011 paper
Attachments: ISAMM 2009 Paper on Severe Accident Mitigation in Japan 1.4(8)Fujimoto.pdf

FYI

From: BRADLEY, Biff [mailto:reb@nei.org]
Sent: Friday, March 25, 2011 12:02 PM
To: Snodderly, Michael
Subject: RE: Budnitz PSA 2011 paper

Mike:

Thanks. See attached for description of Japanese Hard Pipe Vent (slide 7).

Biff

From: Snodderly, Michael [mailto:Michael.Snodderly@nrc.gov]
Sent: Friday, March 25, 2011 11:42 AM
To: BRADLEY, Biff
Subject: FW: Budnitz PSA 2011 paper

Biff,

Commissioner Apostolakis thought you may find the attached paper to be of interest.

Mike Snodderly
Technical Assistant for Reactors
to Commissioner Apostolakis
U. S. Nuclear Regulatory Commission

Phone: 301-415-2241
Email: michael.snodderly@nrc.gov

From: Apostolakis, George
Sent: Friday, March 25, 2011 11:18 AM
To: Snodderly, Michael
Subject: Budnitz PSA 2011 paper

Mike:

Please send the attached paper to Biff Bradley (reb@nei.org).

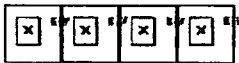
Thanks.

Commissioner George Apostolakis
US Nuclear Regulatory Commission
One White Flint North, MS O16 G4
11555 Rockville Pike
Rockville, MD 20852

(301) 415-1810



FOLLOW US ON



This electronic message transmission contains information from the Nuclear Energy Institute, Inc. The information is intended solely for the use of the addressee and its use by any other person is not authorized. If you are not the intended recipient, you have received this communication in error, and any review, use, disclosure, copying or distribution of the contents of this communication is strictly prohibited. If you have received this electronic transmission in error, please notify the sender immediately by telephone or by electronic mail and permanently delete the original message. IRS Circular 230 disclosure: To ensure compliance with requirements imposed by the IRS and other taxing authorities, we inform you that any tax advice contained in this communication (including any attachments) is not intended or written to be used, and cannot be used, for the purpose of (i) avoiding penalties that may be imposed on any taxpayer or (ii) promoting, marketing or recommending to another party any transaction or matter addressed herein.

Sent through mail.mcessaging.microsoft.com

From: Dacus, Eugene
Sent: Friday, March 25, 2011 1:25 PM
To: Pace, Patti
Subject: Fw: Call from Rep. Lowey's staff

Sent from NRC BlackBerry

Eugene Dacus

(b)(6)

From: Powell, Amy
To: Batkin, Joshua
Cc: Coggins, Angela; Dacus, Eugene; Schmidt, Rebecca
Sent: Fri Mar 25 12:47:45 2011
Subject: Call from Rep. Lowey's staff

Dana Miller from Rep. Lowey's office called a few minutes ago. The Congresswoman is "very happy" that she and GBJ are talking later today.

FYI, she will ask about evacuation and EPZs. Dana called for some prep info on that.

Dana also mentioned the MSNBC.com fandango. I sent her a link to MSNBC.com's editorial that refuted, backed by NRC, the original claims:
<http://www.dailytech.com/EDITORIAL+US+NRC+Confirms+MSNBCcom+Reporter+Mislead+Sensationalized+Nuclear+Story/article21170.htm>

Gene will come up for the 1:30pm call.

Amy Powell
Associate Director
U. S. Nuclear Regulatory Commission
Office of Congressional Affairs
Phone: 301-415-1673

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Friday, March 25, 2011 2:45 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: REVISED letter to President Obama RE: Nuclear Crisis in Japan
Attachments: REVISED NRDC Letter to President Obama RE Nuclear Crisis in Japan 3-25-11.pdf

From: Beinecke, Frances[SMTP:FBEINECKE@NRDC.ORG]
Sent: Friday, March 25, 2011 2:44:09 PM
To: Beinecke, Frances; president@whitehouse.gov
Cc: (b)(6); the.secretary@hq.doe.gov;
Ali.zaidi@hq.doe.gov; Jackson.lisa@epa.gov; dickerson.aaron@epa.gov;
Jaczko, Gregory; Batkin, Joshua
Subject: REVISED letter to President Obama RE: Nuclear Crisis in Japan
Auto forwarded by a Rule

Please disregard previous version sent Friday, March 25, 2011 1:03 PM. Replace all copies with the current version marked, Revised.

Frances Beinecke
President
NRDC
P: 212-727-4465
fbeinecke@nrdc.org

From: Jaczko, Gregory
Sent: Friday, March 25, 2011 5:11 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Feedback - Meeting with Japan Nuclear Technology Institute

From: Leeds, Eric
Sent: Friday, March 25, 2011 5:10:45 PM
To: Jaczko, Gregory
Cc: Doane, Margaret; Mamish, Nader; Batkin, Joshua
Subject: Feedback - Meeting with Japan Nuclear Technology Institute
Auto forwarded by a Rule

Please see below – I should have included all of you on the original email. FYI.

Eric J. Leeds, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
301-415-1270

From: Leeds, Eric
Sent: Friday, March 25, 2011 4:58 PM
To: Borchardt, Bill; Virgilio, Martin; Weber, Michael
Cc: Grobe, Jack; Holahan, Gary; Miller, Charles; Wiggins, Jim; Skeen, David; Brown, Frederick; Boger, Bruce; Evans, Michele; Johnson, Michael
Subject: Feedback - Meeting with Japan Nuclear Technology Institute

The purpose of this email is to provide a very high level overview of a significant meeting NRR just had with members of the JNTI. With me at the meeting was Fred Brown, Dave Skeen and several other NRR managers. The Chairman came to the beginning of the meeting and greeted the JNTI but then had to leave before the presentation started.

The JNTI is roughly equivalent to INPO. Yesterday they briefed NEI for 3 hours. They began the meeting explaining their purpose was to share information concerning the Fukushima event because the Japanese had received criticism for not having provided meaningful information about the event to other countries. They plan to visit, ASN, NEA, and others next week. The meeting had been set up late yesterday and we did not understand the purpose or their intentions until hours before today's meeting.

Both Skeen and Brown have spent a significant amount of time on shift and there were a number of items that the JNTI covered that were new or different from what we thought. Fred will provide the RST with slides that show information different than what we had: e.g., that the Unit 4 spent fuel pool temperatures spiked high much earlier than we thought (day 2). We also learned that the Japanese do not checkerboard, or otherwise manage the heat load in their spent fuel pools. There are a number of these examples that I've asked Fred and Dave to capture in their notes and to be prepared to provide insights to the near term task force (Charlie – get an acronym so I don't have to type that out anymore!).

To cover the highpoints with regard to beyond design basis accident preparations: The Japanese do have SAMGs, but we couldn't get into any significant detail. It seemed that they use a similar strategy for SBO coping and after the Tsunami took out all ac, they were fine for 8 to 10 hours until the batteries ran out. They also believe that the plants rode out the earthquake without any significant damage, it was really the tsunami that caused the problems. As for the

Mark I containment, we think that they do inert with nitrogen and they did take some actions with regard to hardening the vents (they definitely hedged as to hardening the vents), but it was difficult with the short time and translation impediments to get much detail. They were not at all positive about their nuclear emergency preparedness program – in fact they sounded quite negative.

I acknowledged that there would be more lessons learned over time and that it was still very early in the event, but I asked the team leader, Dr. Ishikawa, if he could share any initial learnings from Fukushima. He provided three major lessons learned (obviously a man of superior intellect!):

1. Need to learn more about external hazards (mother earth)
2. Backup power is crucial. Not just diesels, but other, diverse sources of power that can be protected, put on higher ground, brought in and hooked up when all else fails.
3. Hydrogen control. The nuclear industry is so focused on containing radionuclides that we may have hurt ourselves. Perhaps the Japanese more so than the US. We need to re-think our strategy so we can vent areas and bring fresh air in to prevent the buildup of hydrogen.

They left us with a couple of videos and a detailed presentation. We will screen and if valuable, we'll share as appropriate.

Eric J. Leeds, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
301-415-1270

From: Jaczko, Gregory
Sent: Friday, March 25, 2011 5:29 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Tomorrow's News Tonight - READ & DELETE

From: Hayden, Elizabeth
Sent: Friday, March 25, 2011 5:28:56 PM
To: Brenner, Eliot
Subject: Tomorrow's News Tonight - READ & DELETE
Auto forwarded by a Rule

~~Internal use only--no distribution outside NRC--no redistribution internally~~
~~May contain material proprietary to news agencies--~~

1: DIABLO CANYON – We spoke with reporters from KSBY and KEYT in San Luis Obispo, Ca., and the Spokane (Wa.) Spokesman-Review about Congresswoman Lois Capps' request to postpone our review of Diablo Canyon's license renewal application. We told reporters that the Chairman will respond to her letter but right now, we are continuing with our review of all license applications.

2: ROBINSON – Greenwire contacted OPA with some questions on Thursday's end of cycle meeting at Robinson. The NRC announced at the meeting that the single-unit Progress Energy plant is in Column 3 of the Action Matrix and told the licensee that the agency expects improved safety performance this year.

3: VOGTLE FEIS – The NRC announced Friday it has issued the final Environmental Impact Statement for two proposed new reactors at the Vogtle site near Augusta, Ga. Region II OPA fielded questions from the Augusta Chronicle on the steps remaining for Southern Nuclear in its quest for a COL. Southern is on the record as saying it expects the new units to be licensed by the end of the year.

4: OCONEE -- The Greenville News called Region II OPA for some comments on plant safety in the wake of the events in Japan. The newspaper is publishing a Sunday story based on the Oconee tour Duke Energy conducted on Tuesday for Sen. Lindsey Graham, R-S.C., and more than 20 media representatives.

5: SEISMIC/JAPAN ISSUES – The Daily Local News (of West Chester, Pa.) hit us with an assortment of questions on our seismic risk study and Japan reactor event-related reviews. The reporter's interest was focused at least in part on the Limerick plant because of its proximity to the paper's coverage area. Separately, a reporter for CNN wanted to know why the Riverkeeper organization was asserting Indian Point was the plant with the greatest seismic vulnerability nationwide.

6: INDIAN POINT – The New York Daily News continues to ask us about exemptions granted to the plant over the years. This interest was sparked by New York State Assemblyman Richard Brodsky's repeated assertions that we granted exemptions to the plant in a reckless manner and without sufficient review. Bloomberg News Service continues to pose questions about the emergency plans for the plant. The Journal News (of Westchester, N.Y.) wanted to know if spent fuel pools will be part of our quick-look review. We said that they would be.

7: OYSTER CREEK – A reporter for the Chicago Tribune had a laundry list of new questions about our approval of the Oyster Creek license renewal application in 2009. They included how underground piping was

assessed during the review and the ability of the public to participate in the process. The reporter said the concerns were being raised by the NIRS/Beyond Nuclear organization.

8: VERMONT YANKEE – The Commons newspaper is writing a follow-up to the renewed license and events in Japan.

9: SEABROOK –The Boston Globe will be running an editorial over the weekend criticizing the agency for allowing Seabrook to apply for a renewed license only half-way through its current license.

10: SPENT FUEL STORAGE --The Connecticut Post is putting the finishing touches on a package of stories about spent fuel storage in the Northeast. Based on the questions being asked, it appears it will focus on the "dangers" of storing fuel in pools and the "benefit" of storing in a dry cask storage system.

11: LIMERICK -- The (Doylestown, Pa.) Intelligencer is working on a story on the earthquake and license renewal for Limerick. He asked questions about the EPA, seismic studies and license renewal process.

12: CALVERT CLIFFS -- There was a media day today, which normally attracts only the local reporters from the weekly and bi-weekly newspapers. Today, two TV stations (4 and 9) out of Washington showed up, as did WTOP-FM. Several print reporters were also in attendance.

13: PILGRIM -- A reporter from WHDH-TV in Boston figured out there was a nuclear plant nearby and needed help learning to navigate our web-page and understanding how reactors work.

14: SPENT FUEL POOLS AND PLANT SECURITY – A reporter for the Huffington Post called with several questions relating to power plant security and spent fuel pools. He was specifically interested in industry's insistence that it needed extensions to implement our new security regulations as well as mitigative measures ordered by NRC for pools.

15: RADIATION MONITORING – An Associated Press reporter from San Francisco was playing catchup with the LA Times article about EPA's RadNet monitors being out of service. She seemed to think NRC relied on those monitors and that the US population was unprotected as a result. We tried to explain rad monitoring at the plants and how licensees and local authorities would deploy field teams to monitor any radiation releases during a power plant event.

PRESS RELEASE ISSUED

NRC Issues Final Supplemental Environmental Impact Statement for Vogtle New Reactors Application

~~Internal use only—no distribution outside NRC—no redistribution internally—
May contain material proprietary to news agencies~~

From: Jaczko, Gregory
Sent: Friday, March 25, 2011 7:09 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Resent: 1800 EDT (March 25, 2011) USNRC Earthquake/Tsunami Status Update
Attachments: USNRC Earthquake-Tsunami Update 032511 1800EDT(rev).pdf

From: LIA07 Hoc
Sent: Friday, March 25, 2011 7:08:31 PM
Subject: Resent: 1800 EDT (March 25, 2011) USNRC Earthquake/Tsunami Status Update
Auto forwarded by a Rule

Resent to remove the "Draft" watermark.

Attached, please find an 1800 EDT (March 25, 2011) status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

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: Jaczko, Gregory
Sent: Friday, March 25, 2011 7:56 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Revised USNRC Earthquake-Tsunami Update -- 1800 EDT, March 25, 2011
Attachments: USNRC Earthquake-Tsunami Update 032511 1800EDT(rev2).pdf

From: LIA07 Hoc
Sent: Friday, March 25, 2011 7:55:31 PM
Subject: Revised USNRC Earthquake-Tsunami Update -- 1800 EDT, March 25, 2011
Auto forwarded by a Rule

Resent to add new dose and evacuation information.
Sorry for any confusion!

Attached, please find an 1800 EDT (March 25, 2011) status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

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: Jaczko, Gregory
Sent: Friday, March 25, 2011 9:42 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: March 25 1500 EDT one pager (3).doc
Attachments: March 25 1500 EDT one pager (3).doc

From: Zimmerman, Roy
Sent: Friday, March 25, 2011 9:41:57 PM
To: Jaczko, Gregory
Cc: Borchardt, Bill; Virgilio, Martin; Weber, Michael
Subject: FW: March 25 1500 EDT one pager (3).doc
Auto forwarded by a Rule

Here is the 10:00pm update a little early to make up for being a little late yesterday. Should you have questions, pls don't hesitate to ask, thx, Roy

From: Franovich, Mike
Sent: Friday, March 25, 2011 10:02 PM
To: Castleman, Patrick; Orders, William; Snodderly, Michael; Hipschman, Thomas; Marshall, Michael
Subject: TI 183, NRC Information Notice on Japan Event, and INPO Action
Attachments: TI-183.pdf; ML110760432.pdf; INPO Event Report (IER) L1-11-1.pdf

Per the call this evening.... the TI plus related items....

From: RST01 Hoc
Sent: Friday, March 25, 2011 10:42 PM
To: Scott, Michael; Devercelly, Richard; Casto, Chuck; Cook, William; Nakanishi, Tony; Foster, Jack; Trapp, James; Monninger, John; Smith, Brooke; Foggie, Kirk
Subject: REPLY: Questions from Japan Team
Attachments: Questions from Japan Team.doc

Please find attached responses to your questions regarding hydrogen issues, the proposed cooling plan, and the water in the Unit 3 turbine building basement.

If you have any questions on the attached, please reply to this address.

Regards,

Brett Rini
RST Coordinator

From: RST09 Hoc
Sent: Friday, March 25, 2011 10:30 PM
To: RST01 Hoc
Subject: Questions from Japan Team.doc

Please send this to Mike Scott et alia in Japan. Bill Ruland has approved sending this.

I will close action tracking item # 2743 and attach this file.

Steven A. Laur

~~Official Use Only~~
RST Response to Questions from Japan Team
20:30 EDT March 25, 2011

- 1) Will any/all of the unit's reactors vessels or containments enter a H₂ flammability region as cooldown occurs and temperatures and pressures are lowered? Additionally, at what point, (meaning at what temperature and pressure) would this H₂ flammability region occur?

With spray quenching the steam, and lower temperature and pressures, there will be less steam. The beneficial effect of steam to inert the environment will be reduced and flammable conditions may result. We believe that the controlling factor for entering the flammability region will be the O₂ concentration. If O₂ concentrations stay below about 5% the possibility of H₂ ignition should be small. The RST recommendation is for TEPCO to follow the SAMG-2 recommendations to vent the drywell and purge with N₂.

Misting at the venting location will inert the discharge and help prevent hydrogen discharge plume explosion.

- 2) As the flood-up within the core increases, will that action (flood-up itself) create any H₂ flammability or explosive issue?

If a portion of the fuel remains uncovered, then, as the flood-up within the core occurs, additional radiolysis will increase the rate of H₂ and O₂ generation. If the fuel has already been substantially covered, it is not clear that additional H₂ generation would be expected. In either case, we continue to recommend following the SAMG-2 recommendations.

- 3) Identify any parameters that would be needed to assess H₂ issues and pass to NRC Japan Team

In the absence of specific information, analysis is based only on calculations. If information could be obtained, the parameters of most interest to understanding proximity to the flammability region would be:

- Drywell and Suppression Chamber hydrogen concentrations
- Drywell and Suppression Chamber oxygen concentrations
- Timeline of venting versus core uncover/heatup, so that estimates of how much of the hydrogen and oxygen produced has already been released can be improved
- Presence of possible ignition sources

- 4) Provide Feedback on proposed cooling water plan.

For the NRC recommendations for consideration, please refer to the latest "RST Assessment of Fukushima Daiichi Units."

With respect to the proposed cooling plan we have the following general feedback:

- Preserving the containment should be the highest priority
 - All steps should be taken to avoid H₂ combustion in containment or the reactor pressure vessel
 - Smaller vent paths (e.g., 2 to 4 inch diameter) might be enough to buy time and reduce O₂/H₂ concentrations and provide a manageable release

~~Official Use Only~~

**RST Response to Questions from Japan Team
20:30 EDT March 25, 2011**

point. If possible, measure the effluent concentrations of H₂ and O₂ while purging.

- On basic policy item 3, suggest "fogging the steam plumes that result from venting" as an additional method to reduce hydrogen risk
- The options for cooling sound reasonable, but only after the H₂/O₂ issue is resolved. Otherwise, as cooling continues and steam condenses, conditions for hydrogen combustion may be created.
 - With respect to the response to question 4, neither the response nor the SAMGs address poisoning of the water added to flood the primary containment. If possible, either seawater or borated fresh water should be used to flood the drywell. This approach provides resiliency against inadvertent criticality for the contingency that the reactor is ex-vessel.
 - Transfer from seawater to freshwater cooling should be accomplished at unit #2 as soon as possible.
 - Degradation of core cooling due to accumulation of salt deposit has not yet been evidenced at unit #2, but should be presumed to be a distinct probability should seawater injection continue.
 - Degradation of core cooling must be avoided at all costs due to the degraded state of the containment at unit #2.

5) Unit 3 Turbine Bldg basement flooding – what is the likely source? How do we know?

The radiation dose at the surface of the water was approximately 400 mSv/h. Nuclides in a sample of the water were reported as including a high concentration of Iodine-131 relative to isotopes of Cesium. This would tend to indicate that the water contains some reactor coolant. Potential sources of contaminated water in the Unit 3 turbine building basement include:

Possible sources, since isotopes are indicative of reactor fuel:

- MSIV leakage
- FW check valves
- Rx building sump drains
- Torus breach

~~Official Use Only~~

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Saturday, March 26, 2011 6:47 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: <<< High Levels of Deadly Radioactive Cesium Discovered in Japan >>>

From: (b)(6) on behalf of Thomas Saporito[SMTP:THOMAS@SAPRODANI-ASSOCIATES.COM]
Sent: Saturday, March 26, 2011 6:46:39 AM
Subject: <<< High Levels of Deadly Radioactive Cesium Discovered in Japan >>>
Auto forwarded by a Rule

[Click Here to View News Broadcast](#)

Thomas Saporito, Senior Consulting Associate
Email: thomas@saprodani-associates.com
Web: <http://Saprodani-Associates.com>
Post Office Box 8413, Jupiter, Florida 33468
Phone: (561) 972-8363 Fax: (561) 247-6404
Saprodani-Associates - Advocate/GreenPeace USA

From: Hipschman, Thomas
Sent: Saturday, March 26, 2011 10:42 AM
To: Pace, Patti
Subject: RE: Saturday March 26 0830 Update

(b)(5)

From: Pace, Patti
Sent: Saturday, March 26, 2011 9:39 AM
To: Hipschman, Thomas
Subject: Re: Saturday March 26 0830 Update

(b)(5)

Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: Hipschman, Thomas
To: Batkin, Joshua; Coggins, Angela; Loyd, Susan; Montes, David; Warren, Roberta; Pace, Patti; Monninger, John; Bradford, Anna; Dhir, Neha; Clark, Lisa; Fopma, Melody; Marshall, Michael; Speiser, Herald; Gibbs, Catina
Sent: Sat Mar 26 09:02:43 2011
Subject: Saturday March 26 0830 Update

Dyer dayshift ET Director

FW being injected units 1-3. Unit 2 getting borated water. Water is from the resevoir
Power to all sites and control rooms. Testing of components continues

Bechtel pumping system still at Yokota. More training today. Equipment is expected on site after dark on Sunday. Possibly in service on Monday.
First of 2 Navy water barges delayed about 30 hours due to weather

NRC has identified a liaison to USPACOM, who has the lead for a lot of the logistics.

Japanese government has advised extended evacuation zone from 20km to 30km for logistics reasons. Monninger and Casto travelling to J-village, about ten miles from site to see if there is value in embedding there. Guess we're stuck with Anna for awhile as the morning call made it sound like John is not coming back for awhile after all. At least he's getting some "fitness and relaxation time" <http://www.town.hirono.fukushima.jp/english/information.html>

From: Bradford, Anna
Sent: Saturday, March 26, 2011 11:05 AM
To: Hipschman, Thomas; Batkin, Joshua; Coggins, Angela; Loyd, Susan; Montes, David; Warren, Roberta; Pace, Patti; Monninger, John; Dhir, Neha; Clark, Lisa; Fopma, Melody; Marshall, Michael; Speiser, Herald; Gibbs, Catina
Subject: Re: Saturday March 26 0830 Update

(b)(5)

From: Hipschman, Thomas
To: Batkin, Joshua; Coggins, Angela; Loyd, Susan; Montes, David; Warren, Roberta; Pace, Patti; Monninger, John; Bradford, Anna; Dhir, Neha; Clark, Lisa; Fopma, Melody; Marshall, Michael; Speiser, Herald; Gibbs, Catina
Sent: Sat Mar 26 09:02:43 2011
Subject: Saturday March 26 0830 Update

Dyer dayshift ET Director

FW being injected units 1-3. Unit 2 getting borated water. Water is from the resevoir
Power to all sites and control rooms. Testing of components continues

Bechtel pumping system still at Yokota. More training today. Equipment is expected on site after dark on Sunday. Possibly in service on Monday.

First of 2 Navy water barges delayed about 30 hours due to weather

NRC has identified a liaison to USPACOM, who has the lead for a lot of the logistics.

Japanese government has advised extended evacuation zone from 20km to 30km for logistics reasons. Monninger and Casto travelling to J-village, about ten miles from site to see if there is value in embedding there. Guess we're stuck with Anna for awhile as the morning call made it sound like John is not coming back for awhile after all. At least he's getting some "fitness and relaxation time" <http://www.town.hirono.fukushima.jp/english/information.html>

From: Batkin, Joshua
Sent: Saturday, March 26, 2011 2:09 PM
To: Pace, Patti
Subject: Need You asap

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Jaczko, Gregory
Sent: Saturday, March 26, 2011 8:13 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: (b)(5)

From: Batkin, Joshua
Sent: Saturday, March 26, 2011 8:13:11 PM
To: Jaczko, Gregory
Subject: (b)(5)
Auto forwarded by a Rule

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Saturday, March 26, 2011 7:37 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: <<< Nuclear Expert Says Japan Nuclear Accident Now CATASTROPHIC >>>

From: (b)(6) on behalf of Thomas Saporito[SMTP:THOMAS@SAPRODANI-ASSOCIATES.COM]
Sent: Saturday, March 26, 2011 7:36:32 PM
Subject: <<< Nuclear Expert Says Japan Nuclear Accident Now CATASTROPHIC >>>
Auto forwarded by a Rule

[Please click here to watch news broadcast](#)

Thomas Saporito, Senior Consulting Associate
Email: thomas@saprodani-associates.com
Web: <http://Saprodani-Associates.com>
Post Office Box 8413, Jupiter, Florida 33468
Phone: (561) 972-8363 Fax: (561) 247-6404
Saprodani-Associates - Advocate/GreenPeace USA

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Saturday, March 26, 2011 8:53 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: <<< News for Immediate Release - Japan's Reactor #3 - Core Breach >>>

From: (b)(6) on behalf of Thomas Saporito[SMTP:THOMAS@SAPRODANI-ASSOCIATES.COM]
Sent: Saturday, March 26, 2011 8:52:17 PM
Subject: <<< News for Immediate Release - Japan's Reactor #3 - Core Breach >>>
Auto forwarded by a Rule

<http://news.yahoo.com/video/weather-15749664/crisis-in-japan-how-serious-is-nuke-breach-24655103>

Thomas Saporito, Senior Consulting Associate
Email: thomas@saprodani-associates.com
Web: <http://Saprodani-Associates.com>
Post Office Box 8413, Jupiter, Florida 33468
Phone: (561) 972-8363 Fax: (561) 247-6404
Saprodani-Associates - Advocate/GreenPeace USA

From: Jaczko, Gregory
Sent: Sunday, March 27, 2011 6:25 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Updates for Go Book
Attachments: ET Chronology 3-27-11 1800.pdf; TEPCO Press Release 175.pdf; TEPCO Press Release 176.pdf; TEPCO Press Release 177.pdf; TEPCO Press Release 178.pdf; TEPCO Press Release 179.pdf; TEPCO Press Release 180.pdf; TEPCO Press Release 181.pdf; TEPCO Press Release 182.pdf; March 27 1500 EDT one pager.docx; NRC Status Update 3.27.11--1800.pdf

From: LIA07 Hoc
Sent: Sunday, March 27, 2011 6:24:50 PM
To: Borchardt, Bill; Bradford, Anna; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walls, Lorena; Weber, Michael
Subject: Updates for Go Book
Auto forwarded by a Rule

Please find attached updated information for the "Go Books".

The updates include:

- The latest Status Update (1800 EDT, March 27, 2011)
- The latest "One Pager" (1500 EDT, March 27, 2011)
- The latest ET Chronology
- The latest TEPCO Press Releases (175 - 182)

Please let me know if you have any questions or concerns.

-Nichole

Nichole Glenn
Emergency Operations Center
US Nuclear Regulatory Commission
LIA07.HOC@nrc.gov (Operations Center)

From: Franovich, Mike
Sent: Sunday, March 27, 2011 9:25 PM
To: Batkin, Joshua
Cc: Coggins, Angela; Hipschman, Thomas; Marshall, Michael; Castleman, Patrick; Snodderly, Michael; Orders, William
Subject: (b)(5)

Good evening Josh,

(b)(5)

Thanks in advance,

Mike

From: Jaczko, Gregory
Sent: Monday, March 28, 2011 6:05 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Updates for Go Book - 0600 EDT March 28, 2011
Attachments: March 28 0600 EDT one pager.pdf; NRC Status Update 3.28.11--0430.pdf; ET Chronology 3-28-11 0600.pdf

From: LIA07 Hoc
Sent: Monday, March 28, 2011 6:04:51 AM
To: Borchardt, Bill; Bradford, Anna; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walls, Lorena; Weber, Michael
Cc: LIA07 Hoc
Subject: Updates for Go Book - 0600 EDT March 28, 2011
Auto forwarded by a Rule

Please find attached updated information for the "Go Books."

The updates include:

- The latest Status Update (0430 EDT, March 28, 2011)
- The latest "One Pager" (0600 EDT, March 28, 2011)
- The latest ET Chronology

Please let me know if you have any questions or concerns.

-Caroline

Caroline Nguyen
Emergency Operations Center
US Nuclear Regulatory Commission
LIA07.HOC@nrc.gov (Operations Center)
Caroline.Nguyen@nrc.gov

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Monday, March 28, 2011 7:10 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: NRC News Summary for Monday, March 28, 2011
Attachments: NRCSummary110328.doc; NRCSummary110328.pdf; NRCClips110328.doc; NRCClips110328.pdf

From: Bulletin News[SMTP:NRC-EDITORS@BULLETINNEWS.COM]
Sent: Monday, March 28, 2011 7:09:09 AM
To: NRC-editors@bulletinnews.com
Subject: NRC News Summary for Monday, March 28, 2011
Auto forwarded by a Rule

This morning's Nuclear Regulatory Commission News Summary and Clips are attached.

Website: You can also read today's briefing, including searchable archive of past editions, at <http://www.BulletinNews.com/nrc>.

Full-text Links: Clicking the hypertext links in our write-ups will take you to the newspapers' original full-text articles.

Interactive Table of Contents: Clicking a page number on the table of contents page will take you directly to that story.

Contractual Obligations and Copyright: This copyrighted material is for the internal use of Nuclear Regulatory Commission employees only and, by contract, may not be redistributed without BulletinNews' express written consent.

Contact Information: Please contact us any time at 703-483-6100 or NRC-Editors@BulletinNews.com. Use of this email address will automatically result in your message being delivered to everyone involved with your service, including senior management. Thank you.

From: Hipschman, Thomas
Sent: Monday, March 28, 2011 7:43 AM
To: Batkin, Joshua; Coggins, Angela; Loyd, Susan; Montes, David; Warren, Roberta; Pace, Patti; Monninger, John; Gibbs, Catina; Bradford, Anna; Dhir, Neha; Fopma, Melody; Marshall, Michael; Speiser, Herald
Subject: Monday 0730 Fukushima TA Briefing

Weber is dayshift ET Director

FW injection continues to units 1-3 and may be contributing to flooding issues through recirc pump seals. Trying to inject enough water to keep core cooling without spreading excess contamination through flooding

Unit 1 TB flooded water was pumped to a condenser bay

Planning to inert unit 1 containment by March 30

(b)(5)

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Monday, March 28, 2011 10:15 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: SOC from 25 March Japan Earthquake IPC
Attachments: Summary of Conclusions for Mar 25 Japan IPC_FINAL.pdf

From: Landau, Zachary L. (SMTP [REDACTED] (b)(6))
Sent: Monday, March 28, 2011 10:14:30 AM
To: Reed, Richard A.; Bader, Jeffrey A.
Cc: Landau, Zachary L.
Subject: SOC from 25 March Japan Earthquake IPC
Auto forwarded by a Rule

Good Morning,

The summary of conclusions from the Friday, March 25 Japan Earthquake IPC is attached. Please contact Chuck Donnell at [REDACTED] (b)(6) with any questions.

[REDACTED] (b)(5)

The next IPC meeting is scheduled for **3:00-4:00pm on Tuesday, March 29**. The next **Deputies Committee** meeting will occur from **8:00-9:15 am on Wednesday, March 30**. We will send out an agenda for the IPC meeting soon, and an agenda for the DC will be sent through Exec Sec channels tomorrow.

Respectfully,
Zach

Zach Landau
Resilience Directorate
National Security Staff

(o) [REDACTED] (b)(6)
(c)

Summary of Conclusions for
Japan Earthquake IPC SVTC

(b)(5)

From: Kerben, Valerie
Sent: Monday, March 28, 2011 10:32 AM
To: 'mccormackmc@state.gov'; 'HoofC@state.gov'
Cc: Pace, Patti; Watson, Linda
Subject: NRC Chairman visit
Attachments: DOS letter - Japan visitors.docx

Please see the attached letter certifying the clearance information for the NRC Chairman and his staff. This is a follow-up to Sunday's email. I realize you are so very busy, but when you have a chance please confirm that the State Dept has the required clearance information on all the NRC staff visiting and assisting in Japan.

Thank you !

Valerie B. Kerben
Chief, Personnel Security Branch
Division of Facilities and Security
U.S. Nuclear Regulatory Commission
(office#) 301-492-3527
(fax #) 301-492-3442

~~*Note: This e-mail may contain sensitive and/or privileged information. If you are not the intended recipient (or have received this e-mail in error) please notify the sender immediately and destroy this e-mail. Any unauthorized copying, disclosure, or distribution of the material in this e-mail is strictly forbidden. Under the Privacy Act of 1974, all data of a private nature must be protected from unauthorized disclosure.*~~

March 28, 2011

Ms. Cynthia Hoof
U. S. Department of State
Embassy of Japan
2201 C. Street, NW
Washington, DC 20520

Dear Ms. Hoof:

The list below reflects the employees of the U.S. Nuclear Regulatory Commission (NRC) who are currently on assignment in Japan to aid in the relief effort.

<u>NAME</u>	<u>SSN</u>	<u>DOB</u>	<u>CLR</u>	<u>INV</u>	<u>INV DATE</u>
Gregory Jaczko	(b)(6)	(b)(6)			
Angela Coggins	(b)(6)	(b)(6)			

If you have any questions, you may contact me at 301-492-3527.

Thank you,

Valerie B. Kerben

Valerie B. Kerben, Chief
Personnel Security Branch
Division of Facilities and Security
Office of Administration

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Monday, March 28, 2011 11:06 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: What can the NRC do to evolve from a reactive to a preventive organization?

From: (b)(6)
Sent: Monday, March 28, 2011 11:05:45 AM
To: Jaczko, Gregory
Cc: Navarro, Peter
Subject: What can the NRC do to evolve from a reactive to a preventive organization?
Auto forwarded by a Rule

Dear Chairman Jaczko,

As a former resident inspector for the NRC, a former senior reactor operator for a major nuclear utility, and now a contractor/consultant working for commercial nuclear power plants, I have two important insights that I think the NRC needs to finally address:

1) The NRC inspects (via the Regulatory Oversight Process or ROP), regulates and enforces using a rear view mirror: an event has to happen (i.e., the NRC needs a smoking gun") before the NRC has the mandate to force changes in the industry. In light of the Fukushima disaster, is this the proper approach? Shouldn't the NRC become pro-active and not remain reactive in it's approach to ensuring the health and safety of the public? (Note that I'm not particularly focusing exclusively on the NRC in my comment, all federal agencies operate this way. Case in point would be the Bernie Madoff scandal and the SEC.)

For example, the current Station Blackout Rule (10CFR50.63) as implemented at the sites only requires 4, 8 or 12 hour coping capability (each plant is unique in its requirement for coping capability). But we now know that "black swan" type events happen (Fukushima) and our nuclear plants need the capability to withstand up to several days (at least 7 days) with no offsite power available, and certainty that the emergency onsite power capability is operational, regardless of the cause(s) of the event. In Japan where there is a strong central government and a single utility structure, they were not adequately prepared to handle a loss of forced cooling and loss of inventory event. In the United States, where there has been significant de-centralization of our power grid and numerous self-interested parties thrown into the mix, I find it incredulous that we would be able to address a loss of offsite power event with any focus or efficiency.

Under the backfit rule (10CFR50.109), accomplishing upgrades to nuclear facilities is impossible to implement because the NRC doesn't really know how to quantify the "benefit" in terms of dollars and so they cannot show cost benefit to compel safety improvements unless something horrible has happened. (See also the Davis Besse event where a football size hole in the head of the reactor vessel was discovered when a maintenance contractor leaned against a control rod drive mechanism and it bent over, and the sad and pathetic history of how indications were available to both the utility and the NRC, and how the agency handled this or didn't handle this until it came close to a loss of coolant accident - not our finest hour.)

2) It seems that a lot of reliance is placed on statistical methods for predicting the likelihood of events and then rules and regulations are implemented based on specific conditions, and not a lot of practical common sense is being applied. For example, placing nuclear reactors on major seismic fault lines is not common sense. What is the plan for plants like Diablo Canyon and San Onofre? What about other plants where "we don't know what we don't know"? I would recommend that a change in approach is needed, where the agency doesn't evaluate specific scenarios (event based), but evaluates plant vulnerabilities (symptom based) and promotes plant modifications to address symptoms (no forced cooling to the reactor) regardless of the cause rather than events (earthquake + tsunami). Use the probabilistic safety modeling that quantifies the probability of an event to determine priority and focus on strengthening key plant safety parameters and real defense in depth.

I realize that many improvements have been made in light of 911, but how many of these improvements have actually been put to the test in realistic ways? For example, if a plant proposes to make up reactor inventory using a nearby lake or reservoir using temporary hoses and fire trucks (as seen in Japan), could they even get close enough if the prevailing winds and radioactive release make it dangerous to the workers? Why would this temporary scheme be acceptable, when what is needed is permanent hardware, remote controls and indications?

I hope that you and your agency will consider making changes to the Regulatory Oversight Process and other agency protocols to strengthen the agency's ability to improve safety at our existing nuclear plants in meaningful ways without there being a catastrophic event at a US nuclear plant to force the change. The future of the industry relies on event-free operation of these facilities. I'm afraid that new generation commercial nuclear power has now been taken off the table for good here in the United States. So it is important that the older, existing US reactors be operated, maintained, modified and managed to a higher standard that has been previously acceptable.

Sincerely,
Ivy Netzel
Manitowoc, WI 54220

From: Pace, Patti
Sent: Monday, March 28, 2011 1:57 PM
To: Matheson, Mary
Cc: Batkin, Joshua
Subject: RE: Japan Approval.docx
Attachments: Japan Approval - with edits.docx

Mary,

Attached with edits. Please let us know what you think.

Thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Matheson, Mary
Sent: Monday, March 28, 2011 1:50 PM
To: Pace, Patti
Subject: Japan Approval.docx

Patti,

Here is the file.

Mary

(b)(5)

(b)(5)

From: Matheson, Mary
Sent: Monday, March 28, 2011 2:26 PM
To: Pace, Patti
Subject: RE: Japan Approval.docx

Patti,

I signed the document and will have someone bring to you right away.

Thanks Mary

From: Pace, Patti
Sent: Monday, March 28, 2011 1:57 PM
To: Matheson, Mary
Cc: Batkin, Joshua
Subject: RE: Japan Approval.docx

Mary,

Attached with edits. Please let us know what you think.

Thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Matheson, Mary
Sent: Monday, March 28, 2011 1:50 PM
To: Pace, Patti
Subject: Japan Approval.docx

Patti,

Here is the file.

Mary

4.4.1 Fly America Act

The Fly America Act (49 U.S.C. App. 1517) requires Federal employees and their dependents, consultants, contractors, grantees, and others using United States Government financed foreign air travel to travel by U.S. flag air carriers unless a U.S. flag air carrier cannot provide the air transportation needed or use of U.S. flag air carrier service will not accomplish the NRC's mission.

On March 26, 2011 at the direction of the President, Chairman Jaczko was directed to fly immediately to Japan to support the NRC mission. Due to minimal lead time flight options were limited. Options for flights were reviewed and to the fullest extent possible American Carriers were selected. On the outbound flight the NRC travelers will fly American carriers to London, England and a foreign carrier the final leg. This will allow the NRC travelers to leave March 26 instead of March 27 and will increase the interaction time in Japan.

Based on the circumstances I am authorizing the use of a Foreign carrier on the outbound flight for Chairman Jaczko and Angela Coggins as necessary to accomplish agency mission.

Mary Matheson: _____
Chief, Financial Services Branch 3/26/11

Business Class:

When Required Because of Agency Mission

Must be approved by the designated approving official on a case-by-case basis.

Business Class is requested for the outbound flight because the flight exceeds 14 hours and travelers are required to work immediately upon arrival.

Business Class is requested for the inbound flight because the travelers are required to work immediately upon arrival and this will allow travelers to accomplish Agency mission.

Authorized: _____
Josh Batkin

From: Dhir, Neha
Sent: Monday, March 28, 2011 4:08 PM
To: Batkin, Joshua
Subject: FW: last call on FW: DOE (Lyons) Appropriations Statements on DOE Nuclear Budget and Situation in Japan
Attachments: 2011 03 Lyons HEWD Testimony on FY12 NE Budget Request ready for OMB.DOC; SEWD Hearing on Japan March 30 2011 ready for OMB.docx
Importance: High

FYI - DOE's written testimony for the two hearings this week. I'll print them out and provide them to the Chairman tomorrow.

It looks like it's too late to comment but let me know if you see anything that concerns you.

Does it seem weird that OMB is asking us to comment on the DOE testimony?

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

From: Clark, Lisa
Sent: Monday, March 28, 2011 4:01 PM
To: Dhir, Neha
Subject: FW: last call on FW: DOE (Lyons) Appropriations Statements on DOE Nuclear Budget and Situation in Japan
Importance: High

Neha,

I think this is yours,

Lisa

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

From: Hirsch, Patricia
Sent: Monday, March 28, 2011 3:50 PM
To: Muessele, Mary; Powell, Amy; Schmidt, Rebecca; Clark, Lisa; Batkin, Joshua; Zorn, Jason; Reddick, Darani; Bupp, Margaret; Davis, Roger
Cc: Rothschild, Trip
Subject: FW: last call on FW: DOE (Lyons) Appropriations Statements on DOE Nuclear Budget and Situation in Japan
Importance: High

Well, we only had 10 minutes in the best of cases, and I didn't see it when it first came in. Comments to Holly directly?

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

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

From: Fitter, E. Holly [mailto:E._Holly_Fitter@omb.eop.gov]

Sent: Monday, March 28, 2011 3:35 PM
To: LLO Resource; Rothschild, Trip
Cc: McDonald, Christine
Subject: last call on FW: DOE (Lyons) Appropriations Statements on DOE Nuclear Budget and Situation in Japan
Importance: High

Unless you advise Christine by 3:45, she will assume the NRC has no comments on these statements

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

From: Fitter, E. Holly
Sent: Monday, March 28, 2011 11:40 AM
To: 'NRC'; NSS; DL-NSS-ASIA
Cc: McDonald, Christine; Carroll, J. Kevin; Burnim, John D.
Subject: DOE (Lyons) Appropriations Statements on DOE Nuclear Budget and Situation in Japan
Importance: High

Attached are two statements to be given by Peter Lyons, Acting DOE Assistant Secretary for Nuclear Energy.

The first is for a 3/31 House Appropriations s/c hearing on the FY 2012 budget request for DOE's Office of Nuclear Energy.

The second is for a 3/30 Senate Appropriations s/c hearing on DOE's response to the nuclear accident in Japan.

Please review both of these statements and advise Christine McDonald of any comments by 3:00 PM today. Thanks.

OMB CONTACT: McDonald, Christine
E-Mail: [Christine A. McDonald@omb.eop.gov](mailto:Christine_A_McDonald@omb.eop.gov)
PHONE: (202) 395-6944

**Statement of Peter Lyons
Acting Assistant Secretary for Nuclear Energy
U.S. Department of Energy
Before the
Subcommittee on Energy and Water Development, and Related Agencies
Committee on Appropriations
U.S. House of Representatives**

**FY 2012 Appropriations Hearing
March 31, 2011**

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

**Statement of Peter Lyons
Acting Assistant Secretary for Nuclear Energy
U.S. Department of Energy
Before the
Subcommittee on Energy and Water Development, and Related Agencies
Committee on Appropriations
U.S. Senate**

March 30, 2011

(b)(5)

(b)(5)

(b)(5)

From: Pace, Patti
Sent: Monday, March 28, 2011 4:20 PM
To: Gibbs, Catina
Subject: FW: Chairman's Agenda - Table Format.docx
Attachments: Chairman's Agenda - Table Format.docx

To go along with my other email...forthcoming.

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Warren, Roberta
Sent: Monday, March 28, 2011 1:23 PM
To: Pace, Patti; Coggins, Angela; Batkin, Joshua
Cc: Marshall, Michael
Subject: FW: Chairman's Agenda - Table Format.docx

fyi

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

(b)(6)

(C)

From: Jones, Andrea
Sent: Monday, March 28, 2011 1:20 PM
To: Marshall, Michael
Cc: Warren, Roberta
Subject: Chairman's Agenda - Table Format.docx

Mike, here is the schedule thus far. One thing, Switzerland can only accommodate an evening meeting, The only time we have available is Monday at 6p. But look for your advise on scheduling this so late. His day would start about 8:30 and end about 6:30.

(b)(5)

April 2nd – 7th, 2011
IAEA
Fifth Review Meeting for the Convention on Nuclear Safety
Vienna International Center (VIC)

Saturday, April 2nd

Time	Activity	Notes
5:11 pm	Depart Washington Dulles via United No. 916	~ 3 hour layover in Frankfurt

Sunday, April 3rd

Time	Activity	Notes
7:10 am	Depart Frankfurt via United Flight 8964 for Vienna, Austria	
10:05 am	Arrive Vienna, Austria	Embassy Driver: TBD
~11: 30 am	Arrive Hotel Bristol	Kärtner Ring 1 A-1015 Vienna, Austria Phone: (+43)(1) 515160 Fax: (+43)(1) 51516550
Lunch	Open	
~5:00	Delegation Meeting	Location TBD
7:30 pm	Dinner with Luis Echávarri	To Be Confirmed

Monday, April 4th

Time	Activity	Notes
~8:15 am		
9:00 – 10:00 am	Delegation Meeting	Room MOE59
10:00 – 12:30 am	Opening plenary begins	Board Room
12:30 pm	Opening plenary concludes	
12:45 – 1:45 pm	Lunch	
2:00 – 2:45 pm	Meeting with DDG Bychkov (Nuclear Energy)	Room A2680
3:00 – 3:45 pm	Meeting with DDG Aning (Technical Cooperation)	Room B1138
4:00 – 5:00 pm	Meeting with Ambassador Davies	TBD
5:15 – 5:45 pm	Signing/Bilateral with Slovenian Regulator	Director Andrej Stritar Room B0613
6:00 – 6:30 pm	Open	
5:45 pm	Depart VIC	
Evening	Open	

Tuesday, April 5th

Time	Activity	Notes
~7:30 am	Depart hotel for VIC	
8:15 am	Delegation meeting	MOE59
8:45 am	Walk to meeting room to take seats for U.S. presentation	Room TBD
9:00 – 12:00 pm	U.S. presentation of National Report	
12:15 – 1:15 pm	Lunch	
1:30 – 2:15 pm	Meeting with DDG Flory (Nuclear Safety and Security)	Room B0940
2:30 – 3:30 pm	Meeting with DG Amano	Room A2821
3:45 – 4:15 pm	Open	
4:30 – 5:00 pm	Bilateral with China - Vice Minister Li	Room B0613
5:15 – 5:45 pm	Bilateral with Finland - DG Jukka Laaksonen	Room B0613
~5:45 pm	Depart VIC for Hotel	
~7:00 pm	Depart Hotel for Dinner	Via Embassy Driver
7:30 pm	No-host delegation dinner	Griechenbeisi Restaurant (near Schwendenplatz)

Wednesday, April 6th

Time	Activity	Notes
9:00 – 9:30 am	Open	
9:45 – 10:15 am	Bilateral and Signing with Romania -TBC President Borbala Vajda	Room B0613
10:30 – 11:00 am	Bilateral with South Africa - CEO Boyce Mkhize	Room B0613
11:15 – 11:45 am	Bilateral with Germany- DG Gerald Hennenhöfer	Room B0613
12:00 – 12:30 pm	Bilateral with Bulgaria - Chairman Sergei Tzotchev	Room B0613
12:30 – 1:30 pm	Lunch	
1:45 – 2:30 pm	Open	
2:45 – 3:15 pm	Bilateral with Armenia - Chairman Ashot Martirosyan	Room B0613
3:30 – 4:00 pm	Bilateral with United Kingdom - Director Michael Weightman	Room B0613
4:15 – 4:45 pm	Bilateral with India - Chairman Shri K. Bajaj	Room B0613
5:00 – 5:30 pm	Bilateral Czech Republic - President Dana Drabova	Room B0613
Evening	Open	

Thursday, April 7th

Time	Activity	Notes
6:20 am	Depart Vienna via United flight 8959	~ 1.5 hours layover in Frankfurt, Germany
7:45 am	Arrive Frankfurt, Germany	
11:00 am	Depart Frankfurt for Washington Dulles via United Flight 0953	
2:01 pm	Arrive Washington Dulles Airport	

From: Batkin, Joshua
Sent: Monday, March 28, 2011 4:45 PM
To: Pace, Patti; Warren, Roberta; Bradford, Anna
Subject: FW: Information: NEA LTO forum
Attachments: Panellist planning only 28 march NEA Forum on LTO.DOC

Categories: Action Needed

From: Leeds, Eric
Sent: Monday, March 28, 2011 2:41 PM
To: Batkin, Joshua
Cc: Hipschman, Thomas
Subject: FYI: Information: NEA LTO forum

Please see below for the Chairman. Thanks!

Eric J. Leeds, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
301-415-1270

From: Astwood, Heather
Sent: Monday, March 28, 2011 12:02 PM
To: Doane, Margaret; Johnson, Michael; Sheron, Brian; Schwartzman, Jennifer; Rosales-Cooper, Cindy; Dehn, Jeff; Sangimino, Donna-Marie
Cc: Leeds, Eric
Subject: Information: NEA LTO forum

I spoke to Diane Jackson as a follow-up from our discussion this morning. Attached is the latest LTO forum agenda but this could change. The CNRA Chairman and Vice Chairs are going to have a meeting this afternoon to talk about any changes that need to be made to the agenda in light of recent events.

As for the logistics of Session 4 –

Echavarri is chairing the session. He will introduce the Chairs of the previous sessions – (Weightman, Repussard and Galliger from Exellon)

Each Chair will have 5 minutes to give a summary of what happened in his session.

Then the Jaczko and Lacoste will have 10-12 minutes each to speak.

A representative from Japanese Industry and one for the European Municipalities were also invited to on the panel with Jaczko and Lacoste. Neither have responded and may not show up. If they show up – they will also have 10 minutes to speak. If not – it will just be Jaczko and Lacoste.

Then the session will be opened to Q's and A's

Echavarri will moderate and Weightman, Repussard and Galliger will be on the stage but off to the side.

The idea is that most of the questions should go to Jaczko, Lacoste (and Japanese industry and European Municipalities if there) but the three chairs are available if needed.

The entire session will be 1.5 hours.

Heather Astwood
International Team Leader
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
301-415-1075

From: Hoof, Cynthia <HoofC@state.gov>
Sent: Monday, March 28, 2011 7:58 PM
To: Kerben, Valerie; McCormack, Matthew C
Cc: Pace, Patti; Watson, Linda
Subject: RE: NRC Chairman visit

Valerie,

Thank you for sending the NRC Chairman's security clearance info and the info for all other NRC staff. I have forwarded this information on to the relevant offices within the embassy. At the moment, I believe we are caught up on security clearances but as you know this is a constantly changing situation and more NRC fdyers might get sent out. Please continue to send me clearances when you are aware of any NRC employees coming to Tokyo. I will also reach out to you if I receive any requests for more information.

All the best,
Cindi

Cynthia Hoof
RSO OMS
U.S. Embassy Tokyo
Tel: +81-3-3224-5583

SBU
This email is UNCLASSIFIED.

From: Kerben, Valerie [mailto:Valerie.Kerben@nrc.gov]
Sent: Monday, March 28, 2011 11:32 PM
To: McCormack, Matthew C; Hoof, Cynthia
Cc: Pace, Patti; Watson, Linda
Subject: NRC Chairman visit

Please see the attached letter certifying the clearance information for the NRC Chairman and his staff. This is a follow-up to Sunday's email. I realize you are so very busy, but when you have a chance please confirm that the State Dept has the required clearance information on all the NRC staff visiting and assisting in Japan.

Thank you !

Valerie B. Kerben
Chief, Personnel Security Branch
Division of Facilities and Security
U.S. Nuclear Regulatory Commission
(office#) 301-492-3527
(fax #) 301-492-3442

~~Note: This e-mail may contain sensitive and/or privileged information. If you are not the intended recipient (or have received this e-mail in error) please notify the sender immediately and destroy this e-mail. Any unauthorized copying, disclosure, or distribution of the material in this e-mail is strictly forbidden. Under the Privacy Act of 1974, all data of a private nature must be protected from unauthorized disclosure.~~

From: IB Saravanan <IB.Saravanan@iqpc.com.sg>
Sent: Monday, March 28, 2011 10:56 PM
To: CHAIRMAN Resource
Cc: Pace, Patti
Subject: FW: Inviting to speak at IQPC's annual nuclear energy conference - Nuclear Energy Asia 2011, December 2011
Attachments: image001.jpg; Draft Programme - Nuclear Energy.doc; Invitation to speak at Nuclear Energy Asia 2011- Mr. Gregory Jackzo,NRC US.doc
Categories: Action Needed

Dear **Mr. Gregory Jackzo**,

Greetings.

I am Saravanan, Conference Director - **Nuclear Energy Asia 2011**, the annual conference to be held in Hong Kong during 5 – 6 December 2011. I called your office a few days ago regarding inviting US NRC to speak at this international nuclear energy conference.

At the height of the current situation in Fukushima NPP and the prevailing perspective against nuclear energy, the conference aims to address the challenges in developing safe, sustainable and transparent nuclear energy and to dispel the myths and fears.

We wish to **invite you to speak at this conference** as the industry will value your presentation as one of the leading stakeholders in the global/regional nuclear energy.
I am attaching an official speaker invitation and a draft programme showing the various topics and other invited/confirmed experts participating.

The conference has three streams:

Day One - Sustainable Development of Nuclear Energy in Asia
Day Two – Stream A - Design, Construction and Technologies for Efficient and Safe Nuclear Plants
Day Two – Stream B - Best Practices in Nuclear Fuel, Site and Waste Handling

The advisory panel for the conference comprises:

Prof. Roger Cashmore, Chairman, **UK ATOMIC ENERGY AGENCY**
Dr. Xu Mi, Head – Fast Reactor Development Division, **CHINA INSTITUTE OF ATOMIC ENERGY**
Dr. Sarwiyana Sastratenaya, Director – Center for Nuclear Energy Development, **NATIONAL NUCLEAR ENERGY AGENCY OF INDONESIA**
Joel Laykin, Secretary General, **INDEPENDENT POWER PRODUCERS FORUM**, Hong Kong
Lady Barbara Judge, Chairman Emeritus, **UK ATOMIC ENERGY AGENCY**
Dr. Muhammed Lebai Juri, Director General, **MALAYSIA NUCLEAR AGENCY**

I look forward to receiving your consent to speak at this timely conference.
Please nominate a suitable official from NRC, should you become unavailable to speak.

Please mail me if further information is required.

Thank you very much,

With warm regards,
I.B. Saravanan
Conference Director



IQPC Worldwide

Level 14, 61 Robinson Road, Singapore

Ph: +65 6722 9380

HP: +65 8444 0556

Email: ib.saravanan@iqpc.com.sg

ABOUT IQPC: With offices in 12 countries over 6 continents, IQPC is the world's leading provider of strategic business intelligence delivered through senior-level, networking conferences. Together with our sister company, WBR (World Business Research), we have educated and trained over two million executives at over 40,000 conferences and training courses worldwide since 1973.

~~Disclaimer Note: This email is confidential and intended solely for the use of the individual to whom it is addressed. Any views or opinions presented are solely those of the author and do not necessarily represent those of IQPC Worldwide Pte. Ltd. or any of its affiliates. If you are not the intended recipient, be advised that you have received this email in error and that any use, dissemination, forwarding, printing, or copying of this email is strictly prohibited. If you have received this email in error please notify us by telephone on +65 6722 9388.~~

~~This footnote also confirms that this email message has been checked by anti-virus software for the presence of computer virus. However, IQPC Worldwide Pte Ltd accepts no responsibility for any virus or defect that might arise from opening this e-mail or attachments. If you do not wish to receive future email communications from us, please email.~~



Developing Safe, Secure, Sustainable and Transparent Nuclear Energy

5 – 6 December 2011, Hong Kong

Guest Speaker Invitation

Dear Mr. Gregory Jackzo,

My name is I B Saravanan from IQPC Worldwide. The aim of this letter is in regards to the **Nuclear Energy Asia 2011**, an international two day conference to be held in Hong Kong on 28th and 29th November, 2011.

The annual conference will have an enlarged scope by including:

- Presentations of masterplans by regional governments on upcoming nuclear power projects
- Investments and funding of nuclear energy infrastructure
- Design and construction of nuclear power plants
- Safety, security and decommissioning of nuclear plants
- Regulatory scenario in improving international cooperation

At the height of the safety concerns surrounding nuclear energy, it will be an important gathering of leading stakeholders in dispelling the fears and myths.

On behalf of the organising committee, it gives me pleasure to invite you to be our plenary session speaker at **Nuclear Energy Asia 2011**.

May we suggest the following topic for your consideration:

Evolving new safety standards in fuel handling, transportation and storage: case studies of incidents and accidents

- Regulating nuclear fuel handling and transportation
- Policies in packing, labelling, inspection and transit of nuclear material
- New certification procedures and safeguards in spent fuel transportation
- Trends in materials and transit techniques

The conference will have 35 regional and international nuclear energy experts speaking and 150 high level delegates attending.

Please indicate if you wish to speak on a related topic or to depute another official to speak, should you become unavailable.

I look forward to having your consent in speaking at this international conference.

Thank you very much,
With best regards,

I B Saravanan
Conference Director
T: +65 6722 9380
M: +65 8444 0556
E: ib.saravanan@iqpc.com.sg
www.nuclearenergyasia.com

IQPC Worldwide Pte Ltd
61 Robinson Road #14-01 Robinson Centre Singapore 068893
Tel: 65 6722 9388 Fax: 65 6722 9374 Email: enquiry@iqpc.com.sg Website: www.iqpc.com.sg
(Company Registration No: 199702288Z)



Developing Safe, Secure, Sustainable and Transparent Nuclear Energy

www.nuclearenergyasia.com

05 - 06 December 2011, Hong Kong

Day One - Sustainable Development of Nuclear Energy in Asia

Day Two – Stream A - Design, Construction and Technologies for Efficient and Safe Nuclear Plants

Day Two – Stream B - Best Practices in Nuclear Fuel, Site and Waste Handling

Advisory Panel

Lady Barbara Judge, Chairman Emeritus, **UK ATOMIC ENERGY AGENCY**
Dr. Xu Mi, Head – Fast Reactor Development Division, **CHINA INSTITUTE OF ATOMIC ENERGY**

Dr. Sarwiyana Sastratenaya, Director – Center for Nuclear Energy Development, **NATIONAL NUCLEAR ENERGY AGENCY OF INDONESIA**

Dr. Muhammed Lebai Juri, Director General, **MALAYSIA NUCLEAR AGENCY**

Prof. Roger Cashmore, Chairman, **UK ATOMIC ENERGY AGENCY**

Joel Laykin, Secretary General, **INDEPENDENT POWER PRODUCERS FORUM**

Day 1 – 05 December 2011
Sustainable Development of Nuclear Energy in Asia

0830 DAY ONE – Registration & welcome coffee

0850 Opening remarks from the chair

0900 Opening keynote address

Opportunities and challenges in developing safe and sustainable nuclear energy

- Growth opportunities in Asian nuclear energy industry
- Addressing the challenges in policy and regulatory scenario
- Developing standardisation in nuclear plant design, construction and operation
- Designing and operating with adequate and necessary safety factors

CONFIRMED

Lady Barbara Judge, Chairman Emeritus, **UK ATOMIC ENERGY AGENCY**

0930 The road ahead for nuclear energy in Asia: issues, perceptions and powering the economic growth

- Importance of developing transparent and compliant nuclear energy programmes
- Maintaining a credible and safe supply system of nuclear fuels
- Developing alternative fuel and reactor technologies for faster growth and integration
- How to improve non-proliferation safeguards in new build nuclear plants

**Invited*

Dr. Alexander Bychkov, Deputy Director General & Head - Department of Nuclear Energy, **INTERNATIONAL ATOMIC ENERGY AGENCY**

1000 Panel Discussion – New Build Grouping - South Asia
India – 20 in operation, 7 under construction and 20 more planned

Pakistan – 2 in operation, 1 under construction and 2 more planned
Bangladesh – 2 planned and 1 research reactor in operation
Sri Lanka – Policy measures initiated

- Contribution of nuclear energy to total power capacity in South Asian countries
 - Prospects of new builds in South Asia
 - How to improve policy and NES infrastructure in the region
- Panelists from India, Pakistan, Bangladesh, Sri Lanka**

1030 Morning tea & networking break

1100 Addressing compliance and transparency challenges while providing technological support to Asia's nuclear energy programmes

- Need for transfer of safe and secure nuclear technology to Asia
- What are the challenges in compliant and transparent technology transfer?
- Importance of regulator-industry coordination in addressing the challenges
- Traversing the development path - from research reactors to power reactors

CONFIRMED

Prof. Roger Cashmore, Chairman, UK ATOMIC ENERGY AGENCY

1130 CHINA – Moving towards a long term nuclear energy programme – mitigating risks in fast paced expansion

- Planning for capacity expansion up to 80 GWe by 2020
- Opportunities and challenges in developing sustainable nuclear energy system
- Between self sufficiency and sourcing nuclear reactors and fuel cycles
- Considerations in choosing between PWR and Fast Reactors

**Invited*

Maoxiong Long, Head, CHINA NUCLEAR ENERGY ASSOCIATION

1200 Lunch and networking break

1300 INDIA - Developing a sustainable nuclear energy system considering the increasing grid capacity demands

- Planning for the growth in energy demand and grid capacity considerations
- Developing an integrated infrastructure of plant building capacity and adequate fuel facilities
- Funding models for the nuclear energy masterplan
- Improving nationwide skills repository for waste management and safety procedures

**Invited*

S S Bajaj, Chairman, ATOMIC ENERGY REGULATORY BOARD, INDIA

1330 MALAYSIA - The business case for nuclear energy in Malaysia: utilising the country's existing power grid infrastructure to fast integrate nuclear energy

- Role of Economic Transformation Program (ETP) in launching the nuclear programme
- Siting considerations for the two power reactors – policies and clearances
- Existing power grid infrastructure in the country and the capacity utilisation to accommodate nuclear power
- Resourcing technology, funding and fuel capabilities for nuclear programme

CONFIRMED

Dr. Muhammed Lebai Juri, Director General, MALAYSIA NUCLEAR AGENCY

1400 Afternoon tea & networking break

1430 VIETNAM – Matching the economic growth and energy demand – achieving successful integration of research reactors

- Road map to reach full industrialisation in nuclear energy generation by 2020

- Plans for developing the skills and in-house technologies to handle nuclear reactors
- Improving the funding and operational models for nuclear energy infrastructure

**Invited*

Prof. Dr. Vuong Huu Tan, President, VIETNAM ATOMIC ENERGY INSTITUTE

1500 Panel Discussion – New Build Grouping – South East Asia

Indonesia – 4 power reactors planned and 3 research reactors in operation
Malaysia – 2 power reactors planned and 1 research reactor in operation
Philippines – 3 power reactors planned and 1 research reactor in operation
Thailand – 2 power reactors planned and 2 research reactors in operation
Vietnam – 2 power reactors planned and 1 research reactor in operation
Singapore – In policy stage

- Removing the bottlenecks in policy, regulation, training and funding nuclear energy development programme in SE Asia
- Growth opportunities for new build
- Challenges in converting from research reactors to power reactors
- Issues in sourcing technologies, fuel and funding for sustainable nuclear development
- Selecting ideal reactor technology for seismically active region
- Non-proliferation and security issues

Panelists from Indonesia, Malaysia, Thailand, Vietnam, Singapore, Philippines

1530 JAPAN – Ensuring efficient integration of nuclear energy: addressing site, geological and geotechnical issues in developing new plants

- New NPP development – site, geological and geotechnical parameters
- Handling seismic and tsunami considerations in design of NPP
- Improving safety in NPP with respect to reactor and fuel design
- Integrating established practices in emergency management

**Invited*

Koichiro Nakamura, Deputy Director General – Nuclear Safety, NUCLEAR AND INDUSTRIAL SAFETY AGENCY, JAPAN

1600 INDONESIA – Adapting to new realities in nuclear energy infrastructure: efforts in improving coordination between stakeholders

- Addressing the funding and infrastructure issues in expanding to four power reactors
- Planning for long term investment and R & D in nuclear energy
- Geological and seismological considerations in site selection
- Safety and security features planned for Indonesian nuclear power plants

CONFIRMED

Dr. Sarwiyana Sastratenaya, Director – Center for Nuclear Energy Development, NATIONAL NUCLEAR ENERGY AGENCY OF INDONESIA

1630 THAILAND – Progressing towards achieving nuclear energy production goals by 2010 – 2030 Power Development Plan

- From research reactors to 5000 MWe in two decades
- Siting, reactor technology and technical skills – arranging for policy and infrastructure
- Acquiring environmental and public clearances
- Securing funding and international collaboration

**Invited*

Dr. Pricha Karasuddhi, Technical Advisor, NUCLEAR POWER PROGRAMME DEVELOPMENT OFFICE, MINISTRY OF ENERGY, THAILAND

1700 Chair's summary with Q & A – end of plenary session

1740 Networking cocktail party

Day 2 – 06 December 2011
Stream A – Design, Construction and Technologies for Efficient and Safe Nuclear Plants

0830 Registration & welcome coffee

0850 Opening remarks from the chair:

0900 Standardising design and engineering codes for new build nuclear plants

- Improving conservative design features to withstand higher pressure and temperature
- Latest engineering codes for better containment in interior and exterior structures
- Seismic design features including new techniques in piling and foundation
- Innovations in locating auxiliary systems

**Invited*

John Miles, Chair – Global Energy, Resources & Energy, ARUP

0940 Panel Discussion A - Road Ahead in Reactor Design

- Generation III reactors and Gen III+ reactors in development
- Safety and fuel efficiency features of new generation reactors
- Cost efficiency and longer service life of new reactors
- Generation IV reactors in design phase
- Design and development - Small and Modular Reactors (SMR)
- New certification procedures including (European Utilities Requirements)EUR
- Growth in Gen IV reactor design in Asia

1020 Implementing ITAAC review system in NPP design and construction

- What are Inspections, Tests, Analyses and Acceptance Criteria for New builds
- Baseline ITAAC review system in established nuclear industries
- Implementing ITAAC review system in Asia's nuclear power development programme
- Addressing challenges in ITAAC implementation

**Invited*

Thomas Fanning, Chief Executive Officer – Nuclear Group, SOUTHERN COMPANY

1100 Morning tea & networking break

1130 Ensuring optimal and safe plant performance by compliance to design and engineering regulations: importance of multi-layer redundancies for power supply and equipments

- Integrating regional and cross country practices in design and engineering
- Adhering to regional regulatory standards while developing new builds
- Growing local skill in engineering, reactor manufacture and auxiliary plants
- Ensuring optimal plant performance by compliance
- Performance measurement and monitoring techniques

**Invited*

In-soo Jung, Executive Director – Projects, KOREA HYDRO & NUCLEAR POWER COMPANY

1210 Crossing milestones in developing fast reactor technology and support infrastructure in China

- Importance of developing a fast reactor technology with reference to no-coolant accidents
- Techniques in improving the fuel use in an IFR

- Cost, design and engineering considerations in developing an IFR programme
- Efficiency parameters in construction, operation and waste fuel conversion

CONFIRMED

Dr. Xu Mi, Head – Fast Reactor Development Division, **CHINA INSTITUTE OF ATOMIC ENERGY**

1250 Lunch and networking break
--

1350 Integrating site considerations into design and engineering of new build reactors: utilising local skills and materials

- Developing design and procurement standards for PHWRs in India
- Siting considerations for Indian nuclear power plants – existing and upcoming
- Processes in ensuring efficient EPC contracting for new builds
- Cost-benefit analysis of enhancing stakeholder coordination
- Integrating local manufacturing skills with assembly and turnkey erection

**Invited*

S A Bhardwaj, Director – Technical, **NUCLEAR POWER CORPORATION OF INDIA**

1430 Panel Discussion B – Efficient Plant Design & Engineering

- | |
|---|
| <ul style="list-style-type: none"> ▪ Techniques in optimising overnight cost of NPPs while using existing and upcoming reactor designs ▪ Importance of multiple layering of cooling, containment structures and M & E systems ▪ Seismological, geotechnical and geophysical investigation techniques in NPP design |
|---|

1510 'Defense-in-depth' designing for siting, seismic and equipment redundancy for new build and existing power plants

- Objectives of 'defense-in-depth' principle for designing nuclear power plants
- Defining postulated accidents and incidents in nuclear establishments
- Pre-empting the consequences to plant and people and building the procedures into the NPP design
- Implementing design and engineering by 'defense-in-depth':
 - Conservative design
 - Control of operation
 - Engineered safety features

**Invited*

Antonio Gonzalez, Senior Vice President, **EMPRESARIOS AGRUPADOS**

1550 Afternoon tea & networking break
--

1620 Evaluating the efficiency of different models in EPC contracting for new build nuclear plants

- Cost – benefit analyses of different EPC contracting models for nuclear power plant construction
- Learning for the growing and new civil nuclear countries in Asia
- Growing backend skills in R & D, material, manufacture and training for successful EPC bidding and contracting
- Managing the risks in contract and construction processes

**Invited*

Anbalagan Rajagopalan, Head – Nuclear & Defence, **LARSEN & TOUBRO - ECC**

1700 Controlling overnight costs in plant construction: impact of WANO/INPO standards and regulations

- Need for early assessment of site, reactor technology, fuel combination and operational model suitable for new build plants
- Ensuring efficiency of EPC contracting by improved stakeholder – supplier coordination

- WANO/INPO standards in new building construction and their impacts on costs
- Controlling overnight costs and maintaining safety and quality compliances

**Invited*

Carl Rau, President – Nuclear Power Business, BECHTEL CORPORATION

1740 Chair's summary with Q & A

1750 End of conference

Day 2 – 06 December 2011

Stream B – Best Practices in Nuclear Fuel, Waste Handling and Site Management

0830 Registration & welcome coffee

0850 Opening remarks from the chair:

0900 Achieving cost efficiency in nuclear fuel: optimising the sourcing, ideal fuel mix and fuel cycle combination

- Parameters used in fuel mix and fuel cycle selection
- Current nuclear fuel cost and enrichment efficiencies
- Comparing various conversion processes
- Impact of nuclear fuel pricing on plant efficiency
- Capacity considerations in uranium mining
- Concept of Fuel Bank and its implications on nuclear power producers

**Invited*

Yoshio Hirata, Executive Vice President, JAPAN NUCLEAR FUEL LIMITED

0940 Sponsored session A

Trends in Fuel Fabrication and Supply Technologies

- Fuel fabrication methods for various existing reactor types
- R & D in fuel for Gen III, III+ and IV reactor types
- Packing, inspection, labelling and transport methods for nuclear fuel
- Road ahead in fuel design and supply

1020 Improving the efficiency of nuclear fuel fabrication process in enhancing fuel efficiency of reactors

- Trends in MOX fuel conversion processes
- New technique in fuel fabrication – Vibropacking
- Reactor performance as a measure of efficient fuel fabrication
- Optimising assembly of fuel rods to enhance reactor performance

**Invited*

Aleksander Lokshin, Deputy Director General and Director of the Nuclear Power Complex, ROSATOM, RUSSIA

1100 Morning tea & networking break

1130 Evolving new safety standards in fuel handling, transportation and storage: case studies of incidents and accidents

- Regulating nuclear fuel handling and transportation
- Policies in packing, labelling, inspection and transit of nuclear material
- New certification procedures and safeguards in spent fuel transportation
- Trends in materials and transit techniques

**Invited*

Gregory Jackzo, Chairman, NUCLEAR REGULATORY COMMISSION, USA

1210 Nuclear fuel cycle: Integrating vitrification and reprocessing facilities in fuel fabrication complexes for increased efficiency

- Fuel fabrication procedures for different types of reactors
- Vitrification and reprocessing methods used to increase fuel efficiency
- Integrating fuel fabrication to improve nuclear power plant's output efficiency

**Invited*

R N Jayaraj, Chief Executive Officer, NUCLEAR FUEL COMPLEX, INDIA

1250 Lunch and networking break

1350 Storage, radioactive waste handling and disposal technologies – What are the best practices in ensuring plant and human safety

- Integrated nuclear fuel management approach
- Policies and regulations in storage, waste handling and disposal
- Improving efficiency in spent fuel handling and storage inside the nuclear plant

**Invited*

Anthony R Pietrangelo, Senior Vice President & Chief Nuclear Officer, NUCLEAR ENERGY INSTITUTE

**1430 Sponsored session B
Trends in Waste Handling Technologies**

- Evolution in design of nuclear fuel storage facilities
- Mechanised, robotic and manual fuel handling techniques
- Increased reprocessing efficiency of spent fuel by latest plant & equipments
- Best practices in disposal of solid, liquid, radioactive and non-radioactive materials

1510 Measurement and control of radiation exposure: best practices in maximising worker and public safety

- Measuring and controlling exposure to radioactivity in NPP
- Maintaining radioactive-safe working environment under normal and emergency
- Installing multilayer safety monitoring devices in and out of nuclear plants
- Handling radioactive emergencies in case of accidents and incidents

**Invited*

Marie-Claude Dupuis, Chief Executive Officer, NATIONAL AGENCY FOR RADIOACTIVE WASTE MANAGEMENT (ANDRA), FRANCE

1550 Afternoon tea & networking break

1620 Safe and cost efficient strategies for decontaminating and decommissioning: case studies

- Decontaminating procedures involving both radioactive and non-radioactive materials
- Different levels of dismantling old facilities
- Training and engaging skills in decommissioning of facilities in compliance to standards
- Achieving safety and cost efficiency in decommissioning

**Invited*

Tony Fountain, Chief Executive Officer, NATIONAL DECOMMISSIONING AUTHORITY, UK

**1700 Sponsored session C
Trends in Site Decommissioning / Redevelopment Technologies**

- Methods and equipments employed in site dismantling and decommissioning
- Safety and security procedures/instrumentation employed in dismantling and decommissioning

- SAFSTOR, DECON and ENTOMB methods and updates

1740 Current trends in classifying nuclear waste and its disposal techniques: case studies

- Initiating an inventory process of radioactive, non-radioactive and chemical wastes
- Instituting geological, geotechnical and hydrogeological investigations in decommissioned plant's vicinity
- Installing a sustained environment monitoring programme
- Training the stakeholders in rehabilitating decommissioned sites

**Invited*

Philippe Pallier, Director, FRANCE INTERNATIONAL NUCLEAR AGENCY

1820 Chair's Summary with Q & A

1830 End of conference

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Tuesday, March 29, 2011 7:10 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: NRC News Summary for Tuesday, March 29, 2011
Attachments: NRCSummary110329.doc; NRCSummary110329.pdf; NRCClips110329.doc; NRCClips110329.pdf

From: Bulletin News[SMTP:NRC-EDITORS@BULLETINNEWS.COM]
Sent: Tuesday, March 29, 2011 7:05:25 AM
To: NRC-editors@bulletinnews.com
Subject: NRC News Summary for Tuesday, March 29, 2011
Auto forwarded by a Rule

This morning's Nuclear Regulatory Commission News Summary and Clips are attached.

Website: You can also read today's briefing, including searchable archive of past editions, at <http://www.BulletinNews.com/nrc>.

Full-text Links: Clicking the hypertext links in our write-ups will take you to the newspapers' original full-text articles.

Interactive Table of Contents: Clicking a page number on the table of contents page will take you directly to that story.

Contractual Obligations and Copyright: This copyrighted material is for the internal use of Nuclear Regulatory Commission employees only and, by contract, may not be redistributed without BulletinNews' express written consent.

Contact Information: Please contact us any time at 703-483-6100 or NRC-Editors@BulletinNews.com. Use of this email address will automatically result in your message being delivered to everyone involved with your service, including senior management. Thank you.

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Tuesday, March 29, 2011 7:36 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: <<< Japanese Authorities Confirm Leak of Plutonium Stemming From Nuclear Accident >>>

From: Thomas Saporito[SMTP:THOMAS@SAPRODANI-ASSOCIATES.COM]
Sent: Tuesday, March 29, 2011 8:35:38 AM
Subject: <<< Japanese Authorities Confirm Leak of Plutonium Stemming From Nuclear Accident >>>
Auto forwarded by a Rule

Link to View News Story

--

Thomas Saporito, Senior Consulting Associate
Email: thomas@saprodani-associates.com
Web: <http://Saprodani-Associates.com>
Post Office Box 8413, Jupiter, Florida 33468
Phone: (561) 972-8363 Fax: (561) 247-6404
Saprodani-Associates - Advocate/GreenPeace USA

From: Bradford, Anna
Sent: Tuesday, March 29, 2011 7:46 AM
To: Hipschman, Thomas; Marshall, Michael
Subject: FW: Updates for Go Book - 0600 EDT March 29, 2011
Attachments: NRC Status Update 3.29.11--0430.pdf; March 29 0600 EDT one pager.pdf; ET Chronology 3-29-11 0600.pdf

FYI.

Anna Bradford
Policy Advisor for Nuclear Materials
Office of Chairman Jaczko
U.S. Nuclear Regulatory Commission
301-415-1827

From: LIA07 Hoc
Sent: Tuesday, March 29, 2011 6:09 AM
To: LIA07 Hoc; Borchardt, Bill; Bradford, Anna; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael
Subject: Updates for Go Book - 0600 EDT March 29, 2011

Please find attached updated information for the "Go Books."

The updates include:

- The latest Status Update (0430 EDT, March 29, 2011)
- The latest "One Pager" (0600 EDT, March 29, 2011)
- The latest ET Chronology

Please let me know if you have any questions or concerns.

-Jim

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

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Tuesday, March 29, 2011 8:43 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: <<< Nuclear Industry Experts Says Radioactive Plutonium Lasts for 250,000 years >>>

From: Thomas Saporito[SMTP:THOMAS@SAPRODANI-ASSOCIATES.COM]
Sent: Tuesday, March 29, 2011 9:42:14 AM
Subject: <<< Nuclear Industry Experts Says Radioactive Plutonium Lasts for 250,000 years >>>
Auto forwarded by a Rule

Japanese authorities now admit release of plutonium.
US government officials deny that radiation from the
Japanese nuclear accident will travel to the USA; but
recent news broadcast show that radioactive Iodine-131
from Japan - is already being detected around the USA.

Who can the people of the world trust?

How does radiation affect humans? Nuclear experts tells
us how...

Click Hear to Watch

--

Thomas Saporito, Senior Consulting Associate
Email: thomas@saprodani-associates.com
Web: <http://Saprodani-Associates.com>
Post Office Box 8413, Jupiter, Florida 33468
Phone: (561) 972-8363 Fax: (561) 247-6404
Saprodani-Associates - Advocate/GreenPeace USA

From: Dhir, Neha
Sent: Tuesday, March 29, 2011 8:44 AM
To: Marshall, Michael
Subject: RE: Highlights of Monday 03/28/11 8:00pm Commission Assistant Brief

Michael - [REDACTED] (b)(5)

From: Marshall, Michael
Sent: Monday, March 28, 2011 10:31 PM
To: Coggins, Angela; Batkin, Joshua; Loyd, Susan; Pace, Patti; Warren, Roberta; Dhir, Neha; Clark, Lisa; Speiser, Herald; Montes, David; Bradford, Anna; Fopma, Melody; Gibbs, Catina
Cc: Hipschman, Thomas
Subject: Highlights of Monday 03/28/11 8:00pm Commission Assistant Brief

- Fukushima Daiichi Units 1, 2, and 3 have fresh water injection to their cores in a feed and bleed manner.
- TEPCO plans to install equipment in unit 1 to inert containment.
- The water that flooded the lower level of the unit 1 turbine building was pumped into the condenser bay.
- The water level in the other units flooded lower level of the turbine building is not rising, even though water is still being pumped into the cores.
- NRC op center is waiting on verification of news reports of contamination in discharge trench and plutonium in soil.
- Fresh water barge is about forty miles away.
- Naval rectors is looking to provide flex hoses for pumping fresh water from trucks.
- DOE is looking at providing various robots.
- Japan has requested pumping equipment from DOE that is capable of separating "radiation" from water.
- Japan has asked [PNL] for help moving "spent fuel pools" or "spent fuel pins."
- It was reported that the Chairman's visit to Japan went well.
- NEI continues to coordinate the submittal of environmental monitoring data to the NRC, and the NRC is circulating the information to other Federal agencies.

[REDACTED] (b)(5)

From: Jaczko, Gregory
Sent: Tuesday, March 29, 2011 11:37 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Task Force Charter
Attachments: Draft charter.docx

Importance: High

From: Virgilio, Martin
Sent: Tuesday, March 29, 2011 11:37:25 AM
To: Jaczko, Gregory
Cc: Coggins, Angela; Batkin, Joshua; Miller, Charles; Borchardt, Bill; Loyd, Susan; Brenner, Eliot
Subject: Task Force Charter
Importance: High
Auto forwarded by a Rule

Chairman

Attached is the final draft of our Task Force Charter. We would appreciate your approval. Should you have any comments or want to discuss this proposal Charlie, Bill or I will make ourselves available.

As an aside, we are working with OPA on a communications plan and roll out strategy.

Marty

**CHARTER FOR THE NUCLEAR REGULATORY COMMISSION TASK FORCE
TO CONDUCT A NEAR-TERM EVALUATION OF THE NEED FOR AGENCY ACTIONS
FOLLOWING THE EVENTS IN JAPAN**

(b)(5)

(b)(5)

(b)(5)

From: Jaczko, Gregory
Sent: Tuesday, March 29, 2011 7:41 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: bullets for 8am
Attachments: 3-30 svtc.docx

From: Batkin, Joshua
Sent: Tuesday, March 29, 2011 7:40:38 PM
To: Jaczko, Gregory
Subject: bullets for 8am
Auto forwarded by a Rule

I'll have paper copies too:

Bullets for 8am, March 30, 2011 SVTC on Japan

(b)(5)

From: Jaczko, Gregory
Sent: Tuesday, March 29, 2011 7:51 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Bullets for 9am call
Attachments: NSAD Bullets 3-30.docx

From: Batkin, Joshua
Sent: Tuesday, March 29, 2011 7:50:54 PM
To: Jaczko, Gregory
Subject: Bullets for 9am call
Auto forwarded by a Rule

I'll have paper copies too:

Bullets for 8am, March 30, 2011 SVTC on Japan

(b)(5)

(b)(5)

From: Marshall, Michael
Sent: Tuesday, March 29, 2011 10:46 PM
To: Coggins, Angela; Batkin, Joshua; Loyd, Susan; Pace, Patti; Warren, Roberta; Dhir, Neha; Clark, Lisa; Speiser, Herald; Montes, David; Bradford, Anna; Fopma, Melody; Gibbs, Catina
Cc: Hipschman, Thomas
Subject: Highlights of Tuesday 03/29/11 8:00pm Commission Assistant Brief

- Fukushima Daiichi Units 1, 2, and 3 have fresh water injection to their cores.
- Fukushima Daiichi Units 1, 2, and 3 have fuel damage.
- NRC op center vetted strategies (i.e., use fresh water, flood torus, flood drywell without impeding ability to vent) for minimizing hydrogen explosions in containment.
- The Unit 2 trench that is filled with water measured 100 R/hr. Japanese are using sand bags to keep the water in the trench from reaching the sea.
- The U.S. fresh water barge should arrive today.
- Japan is still interested in DOE pumps that can separate radioactive containments from water.

(b)(5)

- NEI has setup a secure website to distribute environmental monitoring data received from licensees.
- Shaw entered into an agreement with Westinghouse and Babcock and Wilcox to provide services to Japan.
- 34x to 800x Japanese limit measured in sea water samples near plant.
- DOE may provide robots by April 5th.

(b)(5)

(b)(5)

From: Jaczko, Gregory
Sent: Wednesday, March 30, 2011 7:05 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Deputies' Committee Meeting on the Japan Earthquake 3 30 11 RST and PMT Talking Points (rev4).doc

From: Batkin, Joshua
Sent: Wednesday, March 30, 2011 7:05:02 AM
To: Wiggins, Jim; Jaczko, Gregory
Cc: Boger, Bruce; Virgilio, Martin; Weber, Michael; ET05 Hoc
Subject: Re: Deputies' Committee Meeting on the Japan Earthquake 3 30 11 RST and PMT Talking Points (rev4).doc
Auto forwarded by a Rule

Got it. Thank you.

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Wiggins, Jim
To: Jaczko, Gregory
Cc: Batkin, Joshua; Boger, Bruce; Virgilio, Martin; Weber, Michael; ET05 Hoc
Sent: Wed Mar 30 06:52:24 2011
Subject: Deputies' Committee Meeting on the Japan Earthquake 3 30 11 RST and PMT Talking Points (rev4).doc

Here are some bullets to assist you in your preps for the 8:00am Deputies svtc.....

Bruce Boger, the ET Director will attend too.

WH Deputies' Committee Meeting on the Japan Earthquake
Talking Points for RST and PMT
Wednesday, March 30, 2011

(b)(5)

From: Gibbs, Catina
Sent: Wednesday, March 30, 2011 10:43 AM
To: Pace, Patti
Subject: RE: Call Time Request

Got it.

From: Pace, Patti
Sent: Wednesday, March 30, 2011 10:42 AM
To: Gibbs, Catina
Subject: Fw: Call Time Request

Hi, in case he hasn't already reached out to you...thanks
Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: SHIBUYA RYOSUKE <ryosuke.shibuya@ws.mofa.go.jp>
To: Pace, Patti
Sent: Wed Mar 30 10:02:04 2011
Subject: Call Time Request

Hello Patti,

I hope this email finds you well.

Since Chairman Jaczko just returned from Japan, Ambassador Fujisaki asked to set up a call time sometime this afternoon with Chairman Jaczko, if possible.
His schedule is open between 3:00 and 5:30PM this afternoon and I was wondering if Mr. Chairman will be available?

I understand that this is a last-minute request, but hope that we will be able to find some time today.
If you wish to contact me by phone, please do so as well.

Thanks,
Ryosuke

Ryosuke Shibuya
Secretary to the Ambassador
Embassy of Japan in the United States of America
2520 Massachusetts Avenue, N.W.
Washington, DC 20008
Phone: 202-238-6884
Email: Ryosuke.Shibuya@ws.mofa.go.jp

From: Jaczko, Gregory
Sent: Wednesday, March 30, 2011 5:30 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Change in Ops Center / CA Call

From: LIA07 Hoc
Sent: Wednesday, March 30, 2011 5:30:09 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; Burns, Stephen; Camper, Larry; Carpenter, Cynthia; Castleman, Patrick; Ader, Charles; Casto, Chuck; Coggins, Angela; Collins, Elmo; ConE_Resource; Copeland, Douglas; Correia, Richard; Craffey, Ryan; Dapas, Marc; Dean, Bill; Decker, David; Diaz-Sanabria, Yoira; Dickman-Disabled-11/14/2010, Paul; Dorman, Dan; Droggitis, Spiros; Dyer, Jim; English, Lance; ET02 Hoc; Evans, Michele; Franovich, Mike; Frye, Timothy; Garmon, David; Apostolakis, George; Gibbs, Catina; Giltter, Joseph; Gott, William; Grobe, Jack; Hahn, Matthew; Haney, Catherine; Harrington, Holly; Hipschman, Thomas; Hoc, PMT12; Holahan, Gary; Holahan, Patricia; HOO Hoc; Howe, Allen; Howell, Art; Howell, Linda; Issa, Alfred; Itzkowitz, Marvin; Foster, Jack; Jackson, Donald; Jaczko, Gregory; Johnson, Andrea; Johnson, Michael; Jones, Cynthia; Kahler, Robert; King, Mark; 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; Nease, Rebecca; Nieh, Ho; NRCHQ; NSIR_DDSP_ILTAB_Distribution; Ordaz, Vonna; Orders, William; OST05 Hoc; Ostendorff, William; Pace, Patti; Patel, Jay; Pearson, Laura; Pederson, Cynthia; Plisco, Loren; Powell, Amy; Quichocho, Jessie; R1 IRC; R2 IRC; R3 IRC; R4 IRC; Reddick, Darani; Reyes, Luis; Devercelly, Richard; Nelson, Robert; ROO hoc; Rothschild, Trip; RST01 Hoc; Satorius, Mark; Schmidt, Rebecca; Sharkey, Jeffry; Sheron, Brian; Sigmon, Rebecca; Snodderly, Michael; Sosa, Belkys; Speiser, Herald; Svinicki, Kristine; Tabatabai, Omid; Thoma, John; Thomas, Eric; Tifft, Doug; Kolb, Timothy; Ulses, 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; Zimmerman, Roy; Zorn, Jason
Subject: Change in Ops Center / CA Call
Auto forwarded by a Rule

The CA briefing call will now take place once daily at 10am EDT. If conditions change, warranting an additional call or an adjustment in the call schedule, you will be notified.

Please share this information with anyone I may have missed who participates in the call.

Please let me know if there are any questions.

-Sara

Sara Mroz
Executive Briefing Team Coordinator
LIA07.HOC@nrc.gov (Operations Center)

From: Jaczko, Gregory
Sent: Wednesday, March 30, 2011 7:06 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Tomorrow's news tonight -- read and delete

From: Brenner, Eliot
Sent: Wednesday, March 30, 2011 7:05:36 PM
To: Brenner, Eliot
Subject: Tomorrow's news tonight -- read and delete
Auto forwarded by a Rule

~~Internal use only -- no distribution outside NRC -- no redistribution--~~
~~May contain material proprietary to news agencies~~

JAPAN

CONGRESSIONAL HEARING – The chairman testified today before our Senate Appropriations Committee subcommittee, taking on questions largely centered on spent fuel pools, fuel storage in general, reprocessing and emergency preparedness. Afterwards there was a major scrum with reporters, the bulk of them from Japanese media, about his trip to Japan. We expect more of the same tomorrow at our budget hearing before our House Appropriators.

<http://green.blogs.nytimes.com/2011/03/30/senators-press-u-s-officials-on-storage-of-spent-nuclear-fuel/?partner=rss&emc=rss>

The President delivered an energy speech today and reaffirmed his support for nuclear power and noted his request for the NRC to look at lessons to be learned from the Japan reactor problems. Meanwhile, headquarters OPA also talked on the record, off the record and on background with the New York Times about regulations on hydrogen recombiners, igniters, etc., and with the LATimes about the Japanese reactors. Headquarters also talked to, among others, Xinhua, CNN.com, Fuel Cycle Week, and Milwaukee Public Radio. Multiple regional outlets had Japan and/or plant-related questions, among them:

Bloomberg about Indian Point and a report on EP there done earlier in the last decade by former FEMA Director James Lee Witt. We were also asked to comment on legislation proposed by Rep. Nita Lowey, D-N.Y., to change plant relicensing regulations.

MASS. GOV MEETING – Region I Administrator Bill Dean met with Massachusetts Gov. Deval Patrick this afternoon to answer questions about possible implications of the Japan reactor events on plants the state cares about: Pilgrim, Seabrook and Vermont Yankee. The meeting went well. Afterwards, Mr. Dean read a statement to a small crowd of reporters on the nature of the meeting. He deferred questions to the Office of Public Affairs.

ILLINOIS SENATE TESTIMONY – Regional Administrator Mark Satorius will be providing testimony to Illinois Senate Energy Committee about the safety of nuclear plants in Illinois at 8:30 am tomorrow.

IODINE DETECTION—OPA spoke to a reporter from the Chicago tribune and WBEZ- Chicago public radio about Illinois plants detecting Iodine.

YUCCA MOUNTAIN - OPA fielded questions in Region III about the situation in Japan increasing the chances of reviving or expediting the consideration of Yucca Mountain for long term fuel storage in light of the problems with spent fuel pools in Japan.

DIABLO CANYON – OPA spoke to the New Times reporter about the status of response by State and US Senators for a moratorium on relicensing.

NOVA – Gluttons for punishment watching the same footage over and over can tune in to PBS at 9 p.m. EDT tonight to watch a special on the Japanese quake.

NON JAPAN OR QUASI-JAPAN QUERIES

VERMONT YANKEE – Entergy has announced a 20-year power purchase agreement with a Vermont utility. Details are here: <http://www.prnewswire.com/news-releases/entergy-vermont-electric-cooperative-complete-negotiations-on-power-contract-118941719.html>

In addition, The Brattleboro (Vt.) Reformer requested additional information on a 2.206 petition we have accepted regarding Vermont Yankee main steam relief valves. We provided clarification. The reporter also wanted information on how a boiling-water reactor like Vermont Yankee would cope with a loss-of-coolant accident.

NEW ENGLAND REACTORS – We are getting hit with multiple questions by reporters doing work under the auspices of the New England Center for Investigative Journalism. Topics include decommissioning funding, the agency's historic approach to lessons learned and research reactors. We're told the stories will run via media outlets throughout the region when ready, rather than as part of a series.

PIRG REPORT – More questions are flowing in regarding the report issued Tuesday by the PIRG national organization and its state affiliates. were among those to ask about the report today.

BROWNS FERRY -- Our news release scheduling an enforcement conference with Browns Ferry related to the failure of a low pressure coolant injection valve drew a call and questions from the Chattanooga Times-Free Press.

TURKEY POINT – Region II OPA did a phone interview with WPLG-TV in Miami to answer a series of questions about the COL application for the two additional units at Turkey Point. Many of the questions were process-oriented and it is unclear exactly when the station plans to complete the story.

WOLF CREEK - OPA did a recorded interview with a talk radio station in Topeka about Wolf Creek

And in an encouraging sign that the "Old Normal" may be reasserting itself, an environmental researcher called with several questions about the Russian takeover of US uranium recovery operations.

Press releases and speeches posted

The Chairman's Senate testimony was posted, as was Mike Weber's House testimony:

<http://www.nrc.gov/reading-rm/doc-collections/congress-docs/congress-testimony/2011/>

Also, releases on meetings involving Erwin, Browns Ferry and Surry

From: Jaczko, Gregory
Sent: Wednesday, March 30, 2011 7:07 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Task Force Charter

From: Virgilio, Martin
Sent: Wednesday, March 30, 2011 7:06:52 PM
To: Jaczko, Gregory
Subject: Re: Task Force Charter
Auto forwarded by a Rule

Thanks Chairman

From: Jaczko, Gregory
To: Virgilio, Martin
Cc: Coggins, Angela; Batkin, Joshua; Miller, Charles; Borchardt, Bill; Loyd, Susan; Brenner, Eliot
Sent: Wed Mar 30 12:28:23 2011
Subject: RE: Task Force Charter

(b)(5)

Thanks,

From: Virgilio, Martin
Sent: Tuesday, March 29, 2011 11:37 AM
To: Jaczko, Gregory
Cc: Coggins, Angela; Batkin, Joshua; Miller, Charles; Borchardt, Bill; Loyd, Susan; Brenner, Eliot
Subject: Task Force Charter
Importance: High

Chairman

Attached is the final draft of our Task Force Charter. We would appreciate your approval. Should you have any comments or want to discuss this proposal Charlie, Bill or I will make ourselves available.

As an aside, we are working with OPA on a communications plan and roll out strategy.

Marty

From: Pace, Patti
Sent: Thursday, March 31, 2011 10:10 AM
To: (b)(6)
Subject: RE: hotel bill

Dear (b)(6)

Many thanks for this information. I will send a completed credit card authorization form as soon as possible so we can transfer the charges for Ms. Coggins on to a different card.

Many thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

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

From: (b)(6)
Sent: Thursday, March 31, 2011 10:02 AM
To: Pace, Patti
Subject: hotel bill

Dear:Ms.Patti

Good morning from Tokyo.

I am sending you the copy of Ms.A, Coggins's hotel bill.

Please find the attached file.

And atacheh crdit card charge authorization form

Could please fill out and attach the photocopies of front and reverse side of your credit card

We will change credit card charge When you recive your e-mai

Thanks and best regards,

(b)(6)

(b)(6)

(b)(6)

From: Jaczko, Gregory
Sent: Thursday, March 31, 2011 3:47 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: INFO: ARTICLE: A suspected letter bomb has exploded in the offices of the Swiss nuclear trade organisation, swissnuclear, injuring two people.

From: Grobe, Jack
Sent: Thursday, March 31, 2011 3:46:36 PM
To: Jaczko, Gregory; Borchardt, Bill
Cc: Virgilio, Martin; Weber, Michael; Leeds, Eric; Boger, Bruce
Subject: Fw: INFO: ARTICLE: A suspected letter bomb has exploded in the offices of the Swiss nuclear trade organisation, swissnuclear, injuring two people.
Auto forwarded by a Rule

Thought you would want to know about this.
Jack Grobe, Deputy Director, NRR

From: Tabatabai, Omid
To: Tappert, John; Frye, Timothy; Thorp, John; Dehn, Jeff; Gibson, Lauren; Karwoski, Kenneth; McHale, John; Quinones, Lauren; Regan, Christopher; Tabatabai, Omid; Tate, Travis; Rodriguez, Veronica; Copeland, Douglas; Craffey, Ryan; Harmon, David; Issa, Alfred; Patel, Jay
Cc: Dudes, Laura; Burnell, Scott; Doane, Margaret; Grobe, Jack
Sent: Thu Mar 31 13:50:05 2011
Subject: INFO: ARTICLE: A suspected letter bomb has exploded in the offices of the Swiss nuclear trade organisation, swissnuclear, injuring two people.

Just fyi...Things are getting more serious. The article is from the World Nuclear News.

31 March 2011

Police in Switzerland's Solothurn canton said that at 8.15am today, there was an explosion in swissnuclear's office on the fourth floor of a building on Froburgstrasse in the northern town of Olten. The explosion occurred as staff sorted through the day's mail.

Two female workers suffered superficial chemical injuries to their skin and their hearing was affected, the police said. Both women were taken to hospital, but are not thought to be seriously hurt. The offices have remained open. A branch of UBS bank, housed in the same building, was not affected by the explosion. The police have launched an immediate investigation into the incident.

Swissnuclear is the nuclear energy section of swisselectric, the organisation of Swiss electricity grid operators. Swissnuclear comprises representatives of the companies Alpiq, Axpo, BKW, CKW and EGL. Its members operate the Beznau, Gosgen, Leibstadt and Muhleberg nuclear power plants, which together meet some 40% of Switzerland's electricity needs.

In a statement, Axpo said that it "condemns the attack in the strongest terms. It is unfortunate and scary that people are turned into targets. Violence in a democratic society can never be a means of settling differences."

It added, "Axpo has long committed to solve the problem of future energy supply in a broad social dialogue."

Future plans on hold

In late 2007, Axpo, Centralschweizerische Kraftwerke (CFC) and BKW FMB Energie joined forces in a new company - named Resun - to replace the Beznau and Muhleberg nuclear power plants in 2020. One year later, after Axpo had taken control of CFC as a subsidiary, Axpo and BKW filed 'framework permit applications' for the replacement. Separately Alpiq has made the same kind of application with reference to the Niederram site. In December 2010, Axpo and BKW have been joined by Alpiq to "join forces in further pursuing the planning and construction of two new nuclear power stations."

In response to the events at the Fukushima plant in Japan earlier this month, the Swiss government, acting through the Department of Environment, Transport and Energy immediately suspended the site licensing process for replacing nuclear power plants. In November 2010, the Federal Nuclear Safety Inspectorate (ENSI) had drawn up definitive appraisals for the government saying that the Niederram, Beznau and Muhleberg sites were suitable for the purpose of building new reactors. Findings on applications were previously due in mid-2011. ENSI has now been asked to investigate safety lessons from the Fukushima incident before the approval process is resumed.

From: Gibbs, Catina
Sent: Wednesday, March 30, 2011 10:33 PM
To: Pace, Patti; Batkin, Joshua; Coggins, Angela
Subject: Re: PC on Japan, 4/1, 11:00 a.m. - 12:30 p.m.

The Chairman mentioned that he would like work this in on Fri. He was expecting this request. Let's discuss tomorrow.

Sent from an NRC Blackberry
Catina Gibbs

(b)(6)

From: Pace, Patti
To: Batkin, Joshua; Coggins, Angela
Cc: Gibbs, Catina
Sent: Wed Mar 30 22:03:27 2011
Subject: Fw: PC on Japan, 4/1, 11:00 a.m. - 12:30 p.m.

Hi,

Please see request from WH below. I will follow up tomorrow, but it doesn't sound like there is an option to participate in this meeting by SVTC.

I'll let you know what I find out.

Thanks,

Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: Joshi, M. Kay <(b)(6)>
To: Pace, Patti
Cc: Joshi, M. Kay <(b)(6)>; Esquivel, Hilda V. <(b)(6)>; Peterson, Teresa D. <(b)(6)>; Gutierrez, Heather R. <(b)(6)>
Sent: Wed Mar 30 20:26:23 2011
Subject: PC on Japan, 4/1, 11:00 a.m. - 12:30 p.m.

There will be a Principals Committee meeting on Japan on Friday, April 1, from 11:00 a.m. - 12:30 p.m., in the White House Situation Room.

Participation is limited to Principal only.

Please confirm receipt and participant. If you have any questions, please call (202) 456-9461.

Thank you.

From: Batkin, Joshua
Sent: Wednesday, March 30, 2011 10:49 PM
To: Pace, Patti; Coggins, Angela
Cc: Gibbs, Catina
Subject: RE: PC on Japan, 4/1, 11:00 a.m. - 12:30 p.m.

No, he will need to go there for it and will want to.

From: Pace, Patti
Sent: Wednesday, March 30, 2011 10:03 PM
To: Batkin, Joshua; Coggins, Angela
Cc: Gibbs, Catina
Subject: Fw: PC on Japan, 4/1, 11:00 a.m. - 12:30 p.m.

Hi,

Please see request from WH below. I will follow up tomorrow, but it doesn't sound like there is an option to participate in this meeting by SVTC.

I'll let you know what I find out.

Thanks,

Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: Joshi, M. Kay <(b)(6)>
To: Pace, Patti
Cc: Joshi, M. Kay <(b)(6)> Esquivel, Hilda V. <(b)(6)> Peterson, Teresa
D. <(b)(6)> Gutierrez, Heather R. <(b)(6)>
Sent: Wed Mar 30 20:26:23 2011
Subject: PC on Japan, 4/1, 11:00 a.m. - 12:30 p.m.

There will be a Principals Committee meeting on Japan on Friday, April 1, from 11:00 a.m. - 12:30 p.m., in the White House Situation Room.

Participation is limited to Principal only.

Please confirm receipt and participant. If you have any questions, please call (202) 456-9461.

Thank you.

From: Jaczko, Gregory
Sent: Thursday, March 31, 2011 4:32 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: 0430 EDT (March 31, 2011) USNRC Earthquake/Tsunami Status Update
Attachments: NRC Status Update 3.31.11--0430.pdf

From: LIA07 Hoc
Sent: Thursday, March 31, 2011 4:31:31 AM
To: LIA07 Hoc
Subject: 0430 EDT (March 31, 2011) USNRC Earthquake/Tsunami Status Update
Auto forwarded by a Rule

Attached, please find a 0430 EDT, March 31, 2011 status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

This update contains new clarifying information regarding the Unit 4 spent fuel pool that is less optimistic than information shared earlier today.

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
Executive Briefing Team Coordinator
Office of Nuclear Security and Incident Response
US Nuclear Regulatory Commission
LIA07.HOC@nrc.gov (Operations Center)
james.anderson@nrc.gov

From: Coggins, Angela
Sent: Thursday, March 31, 2011 8:19 AM
To: Pace, Patti
Subject: agenda planning bullets
Attachments: March 2011 agenda planning.doc

Patti, here is the stuff for agenda planning. The first page is the agenda you would hand out and the rest is just his talking points.

Angela B. Coggins
Policy Director
Office of Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
[301-415-1828](tel:301-415-1828)/angela.coggins@nrc.gov

AGENDA PLANNING AGENDA
March 31, 2011

(b)(5)

AGENDA PLANNING TALKING POINTS

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

From: Marshall, Michael
Sent: Thursday, March 31, 2011 11:11 AM
To: Coggins, Angela; Batkin, Joshua; Loyd, Susan; Pace, Patti; Warren, Roberta; Dhir, Neha; Clark, Lisa; Speiser, Herald; Montes, David; Bradford, Anna; Fopma, Melody; Gibbs, Catina
Cc: Hipschman, Thomas
Subject: Highlights of Thursday 03/31/11 10:00am Commission Assistant Brief

The Commission Assistants brief on the events in Japan have been changed to once a day and are currently scheduled for 10:00 am.

(b)(5)

From: Pace, Patti
Sent: Thursday, March 31, 2011 2:19 PM
To: (b)(6)
Cc: (b)(6)
Subject: Re: PC on Japan, 4/1, 11:00 a.m. - 12:30 p.m.

Dear Kay,

Chairman Gregory Jaczko plans to attend this meeting.

Thank you,

Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: Joshi, M. Kay <(b)(6)>
To: Pace, Patti
Cc: Joshi, M. Kay <(b)(6)>; Esquivel, Hilda V. <(b)(6)>; Peterson, Teresa D. <(b)(6)>; Gutierrez, Heather R. <(b)(6)>
Sent: Wed Mar 30 20:26:23 2011
Subject: PC on Japan, 4/1, 11:00 a.m. - 12:30 p.m.

There will be a Principals Committee meeting on Japan on Friday, April 1, from 11:00 a.m. – 12:30 p.m., in the White House Situation Room.

Participation is limited to Principal only.

Please confirm receipt and participant. If you have any questions, please call (202) 456-9461.

Thank you.

From: Pace, Patti
Sent: Thursday, March 31, 2011 2:30 PM
To: Speiser, Herald
Subject: RE: On way. bring where?

GBJ is in his office. Has a 15 min reprieve. Thanks!

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

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

From: Speiser, Herald
Sent: Thursday, March 31, 2011 2:27 PM
Cc: Pace, Patti
Subject: Fw: On way. bring where?

Sent from my NRC Blackberry

(b)(6)

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

From: Speiser, Herald
To: Batkin, Joshua
Sent: Thu Mar 31 14:24:25 2011
Subject: On way. bring where?

Sent from my NRC Blackberry

(b)(6)

From: Bradford, Anna
Sent: Thursday, March 31, 2011 2:39 PM
To: Hipschman, Thomas; Marshall, Michael
Subject: FW: Response to Questions on the use of MOX fuel
Attachments: Background Information MOX rev1 .docx

FYI.

Anna Bradford
Policy Advisor for Nuclear Materials
Office of Chairman Jaczko
U.S. Nuclear Regulatory Commission
301-415-1827

From: Frazier, Alan
Sent: Thursday, March 31, 2011 2:38 PM
To: Bradford, Anna; Thoma, John; Baggett, Steven; Tadesse, Rebecca; Kock, Andrea
Cc: Andersen, James; Bowman, Gregory; Wittick, Brian
Subject: FYI: Response to Questions on the use of MOX fuel

Commissioner's Assistants,

Below are answers to questions from a Commission office regarding MOX Fuel and the Fukushima Daiichi Plants. Please see the attached document for additional information.

(b)(5)

(b)(5)

(b)(5)

(b)(5)

Please let us know if you have any other questions.

Alan

MOX Impact on Operation and on Severe Accident Consequences

(b)(5)

(b)(5)

From: Warren, Roberta
Sent: Thursday, March 31, 2011 5:25 PM
To: Coggins, Angela; Batkin, Joshua; Bradford, Anna
Cc: Marshall, Michael; Pace, Patti; Gibbs, Catina
Subject: FW: Options for Chairman's CNS schedule
Attachments: Rev. 4 - Table Format.docx; Rev. 1 - Table Format.docx; Rev. 2 - Table Format.docx; Rev. 3 - Table Format.docx

fyi

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

(b)(6) (C)

From: Jones, Andrea
Sent: Thursday, March 31, 2011 5:23 PM
To: Pace, Patti; Gibbs, Catina; Warren, Roberta; Marshall, Michael
Cc: Marshall, Michael; Doane, Margaret
Subject: Options for Chairman's CNS schedule

Catina, Patti, Mike and Bobbie

We've worked out 4 different options for the Chairman's travel to CNS.

Revision 1, he leaves Vienna Tuesday at 11:40 am and arrives back into Dulles at 7:20 pm. We reschedule some meetings so that he can participate in a couple of meetings Monday afternoon and maybe 1 early Tuesday morning.

Revision 2, he leaves the CNS/Vienna International Center (VIC) at approx. 5pm. The Chairman departs Vienna at 6:35 pm on Tuesday and arrives Paris at 8:40 pm Tuesday night. He arrives at Dulles 1pm on Wednesday afternoon. Note: this option requires an overnight stay in Paris.

Revision 3, the Chairman leaves at noon on Tuesday, and arrives at Dulles at 1:25 am – Wednesday morning. On Tuesday morning we can reschedule some appointments that were originally scheduled for Tuesday afternoon (i.e. China and Director General Amano).

Revision 4, would be for the Chairman to arrive Vienna Monday morning and leave Vienna at 6:20 am on Wednesday, arriving into Dulles at 2:01 pm on Wednesday. With this option, he would keep meetings originally scheduled for Monday and Tuesday.

If you have any questions, please let me know.

Andrea

Andrea R. Jones
International Relations Officer

Office of International Programs
U.S. Nuclear Regulatory Commission
301-415-2309

April 2-7, 2011
IAEA
Fifth Review Meeting for the Convention on Nuclear Safety
Vienna International Center (VIC)

Sunday, April 3

Time	Activity	Notes
5:11 pm	Depart Washington Dulles via United No. 916	~ 3 hour layover in Frankfurt

Monday, April 4

Time	Activity	Notes
7:10 am	Depart Frankfurt via United Flight 8964 for Vienna, Austria	
10:05 am	Arrive Vienna, Austria	Driver: Mr. Marcel Hackl +664 8333902
~11:30 am	Arrive Hotel Bristol	Kärntner Ring 1 A-1015 Vienna, Austria Phone: (+43)(1) 515160 Fax: (+43)(1) 51516550
1:30 – 1:45 pm	Meeting with with Jim Ellis [depending on other bilats]	Room A2680
2:00 – 2:45 pm	Open for Meeting with DG Amano (TBC)	
3:00 – 3:45 pm	Open for Meeting with China (TBC)	Room M0106
4:00 – 5:00 pm	Meeting with Ambassador Davies	Room B0613
5:15 – 5:45 pm	Bilateral and Signing with Slovenian Regulator - Director Andrej Stritar	Room B0613
6:00 – 6:15 pm	Signing with Signing with Romania Regulator -Pres. Vajda Borbala	
~6:30 pm	Japan Session	TBD

Tuesday, April 5

Time	Activity	Notes
~7:30 am	Depart hotel for VIC	
8:15 am	U.S. Delegation Meeting	MOE59
8:45 am	Walk to meeting room to take seats for U.S. presentation	
9:00 – 12:00 pm	U.S. Presentation of National Report	Room TBD
noon	Leave VIC for Vienna Airport	
2:10 pm	Depart Vienna Airport via Delta 8554	
4:10pm	Arrive Amsterdam, Netherlands	
5:45 pm	Leave Amsterdam via Delta 9358	
7:50 pm	Arrive JFK Airport	
10:05 pm	Leave New York, via Train No. 177	
1:25 am	Arrives Union Station	

April 2-7, 2011
IAEA
Fifth Review Meeting for the Convention on Nuclear Safety
Vienna International Center (VIC)

Sunday, April 3

Time	Activity	Notes
5:11 pm	Depart Washington Dulles via United No. 916	~ 3 hour layover in Frankfurt

Monday, April 4

Time	Activity	Notes
7:10 am	Depart Frankfurt via United Flight 8964 for Vienna, Austria	
10:05 am	Arrive Vienna, Austria	Driver: Mr. Marcel Hackl +664 8333902
~11:30	Arrive Hotel Bristol	
~ 1pm	Leave Hotel	
1:30 – 1:45 pm	Meeting with with Jim Ellis [depending on other bilats]	Room B0613
2:00 – 2:45 pm	Meeting with DDG Bychkov (Nuclear Energy)	Room A2680
3:00 – 3:45 pm	Meeting with DDG Aning (Technical Cooperation)	Room B1138
4:00 – 5:00 pm	Meeting with Ambassador Davies	Room B0613
5:15 – 5:45 pm	Bilateral and Signing with Slovenian Regulator - Director Andrej Stritar*	Room B0613
	Note: *Dir. Stritar is leading Session	
6:00-6:15pm	Signing with Romania	TBC
~6:30 pm	Japan Session	

Tuesday, April 5

Time	Activity	Notes
~7:30 am	Depart hotel for VIC	
8:15 am	U.S. Delegation Meeting	MOE59
8:45 am	Walk to meeting room to take seats for U.S. presentation	
9:00 – 12:00 pm	U.S. Presentation of National Report	Room TBD
12:15 – 1:15 pm	Lunch	
1:30 – 2:15 pm	Meeting with DDG Flory (Nuclear Safety and Security)	Room B0940
2:30 – 3:30 pm	Meeting with DG Amano	Room A2821
3:45 – 4:15 pm	Bilateral with Switzerland - Director Hans Wanner	Room B0613

4:30 – 5:00 pm	Bilateral with China - Vice Minister Li	Room M0106
5:15 – 5:45 pm	Bilateral with Finland - DG Jukka Laaksonen	Room B0613
~5:45 pm	Depart VIC for Hotel	
~7:00 pm	Depart Hotel for Dinner	Via Embassy Driver
7:30 pm	No-host delegation dinner	Griechenbeisi Restaurant (near Schwendenplatz)

Wednesday, April 6

Time	Activity	Notes
4:30 am	Depart Hotel for Airport	
6:20 am	Depart Vienna via United flight 8959	~ 1.5 hours layover in Frankfurt, Germany
7:45 am	Arrive Frankfurt, Germany	
11:00 am	Depart Frankfurt for Washington Dulles via United Flight 0953	
2:01 pm	Arrive Washington Dulles Airport	

April 2-7, 2011
IAEA
Fifth Review Meeting for the Convention on Nuclear Safety
Vienna International Center (VIC)

Sunday, April 3

Time	Activity	Notes
5:11 pm	Depart Washington Dulles via United	~ 3 hour layover in Frankfurt

Monday, April 4

Time	Activity	Notes
10:05 am	Arrive Vienna, Austria	Driver: Mr. Marcel Hackl +664 8333902
~11:30 am	Arrive Hotel Bristol	Kärntner Ring 1 A-1015 Vienna, Austria Phone: (+43)(1) 515160 Fax: (+43)(1) 51516550
Lunch	Open	
1:45-2:00 pm	Meeting with Jim Ellis (Depending on INPO's bilat schedule)	Room B0613
2:00-2:30 pm	Meeting with DG Amano (TBC)	
3:00-4:00 pm	Meeting with China (TBC)	MO106
4:00 – 5:00 pm	Meeting with Ambassador Davies	Room B0613
5:15 – 5:45 pm	Bilateral and Signing with Slovenian Regulatory – Director Andrej Stritar*	Room A2821
	Note: Dir. Stritar is leading Session	
6:00 – 6:15 pm	Signing with Romania Regulator Pres. Vajda Borbala	
6:30 pm	Japan Session	

Tuesday, April 5

Time	Activity	Notes
8:00 -9:00 am	Bilateral with China or Amano (TBD)	
9:00-9:30 am	Open	
9:40 am	Depart VIC	
11:40 am	Depart Vienna	Continental 8836
1:05 pm	Arrive London	Layover in London's Heathrow
4:20 pm	Depart London for Dulles	
7:20 pm	Arrive Dulles	

Note: US Presentation is at 9-12 am on Tuesday, April 5th.

April 2-7, 2011
IAEA
Fifth Review Meeting for the Convention on Nuclear Safety
Vienna International Center (VIC)

Sunday, April 3

Time	Activity	Notes
5:11 pm	Depart Washington Dulles via United No. 916	~ 3 hour layover in Frankfurt

Monday, April 4

Time	Activity	Notes
7:10 am	Depart Frankfurt via United Flight 8964 for Vienna, Austria	
10:05 am	Arrive Vienna, Austria	Driver: Mr. Marcel Hackl +664 8333902
~11:30 am	Arrive Hotel Bristol	Kärtner Ring 1 A-1015 Vienna, Austria Phone: (+43)(1) 515160 Fax: (+43)(1) 51516550
1:30 – 1:45 pm	Meeting with with Jim Ellis [depending on other bilats]	Room A2680
2:00 – 2:45 pm	Meeting with DDG Bychkov (Nuclear Energy)	Room A2680
3:00 – 3:45 pm	Meeting with DDG Aning (Technical Cooperation)	Room B1138
4:00 – 5:00 pm	Meeting with Ambassador Davies	Room B0613
5:15 – 5:45 pm	Bilateral and Signing with Slovenian Regulator - Director Andrej Stritar	Room B0613
6:00 – 6:15 pm	Signing with Signing with Romania Regulator -Pres. Vajda Borbala	
~6:30 pm	Japan Session	TBD

Tuesday, April 5

Time	Activity	Notes
~7:30 am	Depart hotel for VIC	
8:15 am	U.S. Delegation Meeting	MOE59
8:45 am	Walk to meeting room to take seats for U.S. presentation	
9:00 – 12:00 pm	U.S. Presentation of National Report	Room TBD
12:15 – 1:15 pm	Lunch	

1:30 – 2:15 pm	Meeting with DDG Flory (Nuclear Safety and Security)	Room B0940
2:30 – 3:30 pm	Meeting with DG Amano	Room A2821
3:45 – 4:15 pm	Bilateral with Switzerland - Director Hans Wanner	Room B0613
4:30 – 5:00 pm	Bilateral with China - Vice Minister Li	Room M0106
~5:00 pm	Depart VIC for Vienna Airport	
6:35 pm	Depart Vienna Airport	Delta 8364
8:40pm	Arrive Paris	Overnight stay in Paris

Wednesday, April 6

Time	Activity	Notes
10:40 am	Depart Paris Airport	Delta 8496
1:00 pm	Arrive Dulles	

From: Jaczko, Gregory
Sent: Thursday, March 31, 2011 5:56 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: 1800 EDT (March 31, 2011) USNRC Earthquake/Tsunami Status Update
Attachments: USNRC Earthquake-Tsunami Update.033111.1800EDT.pdf

From: LIA07 Hoc
Sent: Thursday, March 31, 2011 5:56:06 PM
Subject: 1800 EDT (March 31, 2011) USNRC Earthquake/Tsunami Status Update
Auto forwarded by a Rule

Attached, please find a 1800 EDT, March 31, 2011 status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

This update contains new clarifying information regarding the Unit 4 spent fuel pool that is less optimistic than information shared earlier today.

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
Executive Briefing Team Coordinator
Office of Nuclear Security and Incident Response
US Nuclear Regulatory Commission
Sara.Mroz@nrc.gov
LIA07.HOC@nrc.gov (Operations Center)

From: Pace, Patti
Sent: Thursday, March 31, 2011 6:01 PM
To: Bradford, Anna
Subject: FW: Deputies' Committee Meeting on the Japan Earthquake 3 30 11 RST and PMT Talking Points (rev4).doc
Attachments: Deputies' Committee Meeting on the Japan Earthquake 3 30 11 RST and PMT Talking Points (rev4).doc

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Jaczko, Gregory
Sent: Wednesday, March 30, 2011 6:53 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Deputies' Committee Meeting on the Japan Earthquake 3 30 11 RST and PMT Talking Points (rev4).doc

From: Wiggins, Jim
Sent: Wednesday, March 30, 2011 6:52:24 AM
To: Jaczko, Gregory
Cc: Batkin, Joshua; Boger, Bruce; Virgilio, Martin; Weber, Michael; ET05 Hoc
Subject: Deputies' Committee Meeting on the Japan Earthquake 3 30 11 RST and PMT Talking Points (rev4).doc
Auto forwarded by a Rule

Here are some bullets to assist you in your preps for the 8:00am Deputies svtc.....

Bruce Boger, the ET Director will attend too.

From: Bradford, Anna
Sent: Thursday, March 31, 2011 6:10 PM
To: Hipschman, Thomas; Marshall, Michael
Subject: FW: Go Book Update - 1800 EDT, March 31, 2011
Attachments: USNRC Earthquake-Tsunami Update.033111.1800EDT.pdf; March 31 1500 EDT one pager.docx; TEPCO Press Release 238.pdf; TEPCO Press Release 231.pdf; TEPCO Press Release 234.pdf; TEPCO Press Release 233.pdf; TEPCO Press Release 232.pdf; TEPCO Press Release 235.pdf; TEPCO Press Release 236.pdf; TEPCO Press Release 237.pdf; ET Chronology 3-31-11 1800.pdf

FYI.

Anna Bradford
Policy Advisor for Nuclear Materials
Office of Chairman Jaczko
U.S. Nuclear Regulatory Commission
301-415-1827

From: LIA07 Hoc
Sent: Thursday, March 31, 2011 6:07 PM
To: Borchardt, Bill; Bradford, Anna; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael
Subject: Go Book Update - 1800 EDT, March 31, 2011

Attached, please find updated information for the "Go Books".

The updates include:

- The 1800 EDT, 03/31/11 Status Update
- The latest ET Chronology
- The latest "One Pager" (1500 EDT, 03/31/11)
- TEPCO Press Releases (231-238)

Please let me know if you have any questions or concerns.

-Sara

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

From: Pace, Patti
Sent: Thursday, March 31, 2011 6:41 PM
To: Joshi, M. Kay
Cc: Esquivel, Hilda V.; Peterson, Teresa D.; Gutierrez, Heather R.
Subject: RE: PC on Japan, 4/1, 11:00 a.m. - 12:30 p.m.

Message received, thanks. I will adjust the Chairman's schedule as needed.

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Joshi, M. Kay [mailto: (b)(6)]
Sent: Thursday, March 31, 2011 6:40 PM
To: Pace, Patti
Cc: Esquivel, Hilda V.; Peterson, Teresa D.; Gutierrez, Heather R.
Subject: RE: PC on Japan, 4/1, 11:00 a.m. - 12:30 p.m.

Please note that the time has changed to 11:45 a.m. - 1:15 p.m. Please confirm receipt.

From: Pace, Patti [mailto:Patti.Pace@nrc.gov]
Sent: Thursday, March 31, 2011 3:30 PM
To: Joshi, M. Kay
Cc: Esquivel, Hilda V.; Peterson, Teresa D.; Gutierrez, Heather R.
Subject: RE: PC on Japan, 4/1, 11:00 a.m. - 12:30 p.m.

First Name Gregory
Middle Name Bela
Last Name Jaczko
Gender Male
Date of Birth (b)(6)
U.S. Citizen Yes
Social Security Number (b)(6)
Country of Birth (b)(6)
City and State of Residence (b)(6)

I heard from Mr. Ben Milakofsky in White House Cabinet Affairs that the Chairman's paperwork has cleared and the Chairman now has some level of access to the White House. Mentioning in case it could save you the time of re-entering his information.

Thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Joshi, M. Kay [mailto: (b)(6)]
Sent: Thursday, March 31, 2011 3:22 PM
To: Pace, Patti
Cc: Esquivel, Hilda V.; Peterson, Teresa D.; Gutierrez, Heather R.
Subject: RE: PC on Japan, 4/1, 11:00 a.m. - 12:30 p.m.

I need clearance information for him:

Need:

First, Middle, and Last Name
Gender
DOB
US Citizen, Yes or No
SSN
Country of Birth
State of Residence
City of Residence

From: Pace, Patti [mailto:Patti.Pace@nrc.gov]
Sent: Thursday, March 31, 2011 2:19 PM
To: Joshi, M. Kay
Cc: Esquivel, Hilda V.; Peterson, Teresa D.; Gutierrez, Heather R.
Subject: Re: PC on Japan, 4/1, 11:00 a.m. - 12:30 p.m.

Dear Kay,

Chairman Gregory Jaczko plans to attend this meeting.

Thank you,

Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: Joshi, M. Kay <(b)(6)>
To: Pace, Patti
Cc: Joshi, M. Kay <(b)(6)>; Esquivel, Hilda V. <(b)(6)>; Peterson, Teresa D. <(b)(6)>; Gutierrez, Heather R. <(b)(6)>
Sent: Wed Mar 30 20:26:23 2011
Subject: PC on Japan, 4/1, 11:00 a.m. - 12:30 p.m.

There will be a Principals Committee meeting on Japan on Friday, April 1, from 11:00 a.m. – 12:30 p.m., in the White House Situation Room.

Participation is limited to Principal only.

Please confirm receipt and participant. If you have any questions, please call (202) 456-9461.

Thank you.

From: Batkin, Joshua
Sent: Thursday, March 31, 2011 8:14 PM
To: Pace, Patti; Coggins, Angela
Subject: Re: Clear the morning

Yes cancel just for tomorrow

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

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

From: Pace, Patti
To: Batkin, Joshua; Coggins, Angela
Sent: Thu Mar 31 20:13:12 2011
Subject: RE: Clear the morning

I will move the call with Dep. Sec. Poneman, currently scheduled for 9:30AM.

Should I cancel his 8:00AM status update from the ET as well? (He had already asked me to move it from 7:15A to 8:00A)

Sorry, your email was pretty clear but I want to be sure before I cancel the update.

Thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

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

From: Batkin, Joshua
Sent: Thursday, March 31, 2011 8:02 PM
To: Pace, Patti; Coggins, Angela
Subject: Clear the morning

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Jaczko, Gregory
Sent: Thursday, March 31, 2011 10:27 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: March 31, 2011 22:00 "One Pager"
Attachments: March 31 1500 EDT one pager.docx; March 31 2200 EDT one pager.docx

From: LIA07 Hoc
Sent: Thursday, March 31, 2011 10:26:54 PM
To: Borchardt, Bill; Bradford, Anna; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprongeris, Patricia; Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael
Subject: March 31, 2011 22:00 "One Pager"
Auto forwarded by a Rule

Attached, please find the 2200 EDT March 31 one pager.
-Sara

From: Pace, Patti
Sent: Thursday, March 31, 2011 8:50 PM
To: Batkin, Joshua
Subject: RE: Phone Message: Commissioner Magwood

AM update is definitely off. I received word from the HOO.

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Batkin, Joshua
Sent: Thursday, March 31, 2011 8:42 PM
To: Pace, Patti
Subject: Re: Phone Message: Commissioner Magwood

Please make sure ops center doesn't call him in the AM for status!

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Pace, Patti
To: Batkin, Joshua
Sent: Thu Mar 31 20:38:01 2011
Subject: RE: Phone Message: Commissioner Magwood

I think you got to all the ones that I really needed help with.

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Batkin, Joshua
Sent: Thursday, March 31, 2011 8:36 PM
To: Pace, Patti
Subject: Re: Phone Message: Commissioner Magwood

Haven't been able to read most so call me if you need me

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Pace, Patti
To: Batkin, Joshua
Sent: Thu Mar 31 20:34:58 2011
Subject: RE: Phone Message: Commissioner Magwood

I will leave it. Thanks. Sorry for the 7,000 emails. At least one more coming...

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Batkin, Joshua
Sent: Thursday, March 31, 2011 8:34 PM
To: Pace, Patti
Subject: Re: Phone Message: Commissioner Magwood

I guess or leave it since I emailed his CoS

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Pace, Patti
To: Batkin, Joshua
Sent: Thu Mar 31 20:30:55 2011
Subject: FW: Phone Message: Commissioner Magwood

(b)(5)

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Jaczko, Gregory
Sent: Thursday, March 31, 2011 8:25 PM
To: Pace, Patti
Subject: Re: Phone Message: Commissioner Magwood

Let him know I will talk to him tomorrow

From: Pace, Patti
To: Jaczko, Gregory
Sent: Thu Mar 31 20:15:45 2011
Subject: Phone Message: Commissioner Magwood

Mr. Chairman,

Commissioner Magwood returned your call. He is available at home (b)(6) if you would like to call him this evening.

Thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Pace, Patti
Sent: Friday, March 11, 2011 1:12 PM
To: Batkin, Joshua
Subject: RE: Earthquake/Tsunami Status Update

Done. Thx

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Batkin, Joshua
Sent: Friday, March 11, 2011 1:11 PM
To: Pace, Patti
Subject: Re: Earthquake/Tsunami Status Update

Yes

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Pace, Patti
To: Batkin, Joshua
Sent: Fri Mar 11 13:08:17 2011
Subject: RE: Earthquake/Tsunami Status Update

Josh, he is on the phone with Sec. Chu. Should I interrupt to give this to him? Angela is sitting in.

Thanks

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Batkin, Joshua
Sent: Friday, March 11, 2011 1:06 PM
To: Pace, Patti
Cc: Monninger, John; Coggins, Angela; Marshall, Michael; Hipschman, Thomas; Loyd, Susan; Bradford, Anna
Subject: Fw: Earthquake/Tsunami Status Update

This is good and what he was looking for. Please get it in front of him. I'll be back up after the 1pm TA call.

Joshua C. Batkin
Chief of Staff

Chairman Gregory B. Jaczko
(301) 415-1820

From: LIA07 Hoc
To: Batkin, Joshua; Pace, Patti
Sent: Fri Mar 11 13:04:45 2011
Subject: Earthquake/Tsunami Status Update

Here is the status update as of 1300 EST.
-Sara

Sara Mroz
Communications and Outreach
NSIR

From: Pace, Patti
Sent: Friday, March 11, 2011 5:10 PM
To: Adler, James; Bradford, Anna; Clark, Lisa; Dhir, Neha; Fopma, Melody; Gibbs, Catina; Hipschman, Thomas; Marshall, Michael; Montes, David; Pearson, Laura; Speiser, Herald; Batkin, Joshua; Coggins, Angela; Loyd, Susan; Monninger, John
Subject: FW: 1600 EST USNRC Earthquake/Tsunami Status Update
Attachments: Earthquake-TsunamiUpdate.031111.1600EST.docx
Importance: High

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

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, Jeffry; 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

From: Pace, Patti
Sent: Friday, March 11, 2011 7:43 PM
To: LIA07 Hoc
Subject: RE: 1600 EST USNRC Earthquake/Tsunami Status Update

Thank you!!

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: LIA07 Hoc
Sent: Friday, March 11, 2011 7:41 PM
To: Pace, Patti
Cc: HOO Hoc; LIA04 Hoc; LIA02 Hoc; LIA12 Hoc; LIA01 Hoc; LIA11 Hoc
Subject: RE: 1600 EST USNRC Earthquake/Tsunami Status Update

We will add those names to the distribution!

Thanks,
Sara

From: HOO Hoc
Sent: Friday, March 11, 2011 7:40 PM
To: LIA04 Hoc; LIA02 Hoc; LIA12 Hoc; LIA01 Hoc; LIA11 Hoc; LIA07 Hoc
Subject: FW: 1600 EST USNRC Earthquake/Tsunami Status Update
Importance: High

From: Pace, Patti
Sent: Friday, March 11, 2011 7:27 PM
To: Mroz (Sahm), Sara
Cc: HOO Hoc; Batkin, Joshua; Coggins, Angela
Subject: FW: 1600 EST USNRC Earthquake/Tsunami Status Update
Importance: High

Good Evening,

Thank you very much for these updates. Would it be possible to make sure that the Chairman and the following members of his staff are included on all of the updates?

Please add:

Gregory Jaczko
Angela Coggins
Susan Loyd
John Monninger
Laura Pearson

Roberta Warren

Please keep those already on the distribution list:

Joshua Batkin
Patti Pace
Thomas Hipschman
Michael Marshall

Many thanks!

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

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, Jeffry; 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

From: Batkin, Joshua
Sent: Friday, March 11, 2011 10:02 PM
To: Pace, Patti; Coggins, Angela
Subject: RE: 1600 EST USNRC Earthquake/Tsunami Status Update

Thanks!

From: Pace, Patti
Sent: Friday, March 11, 2011 7:43 PM
To: Batkin, Joshua; Coggins, Angela
Subject: FW: 1600 EST USNRC Earthquake/Tsunami Status Update

Hi,

I have confirmed that the Chairman and members of our staff listed below will receive the status updates directly. Please let me know if there is anything else I can do to help.

Thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: LIA07 Hoc
Sent: Friday, March 11, 2011 7:41 PM
To: Pace, Patti
Cc: HOO Hoc; LIA04 Hoc; LIA02 Hoc; LIA12 Hoc; LIA01 Hoc; LIA11 Hoc
Subject: RE: 1600 EST USNRC Earthquake/Tsunami Status Update

We will add those names to the distribution!

Thanks,
Sara

From: HOO Hoc
Sent: Friday, March 11, 2011 7:40 PM
To: LIA04 Hoc; LIA02 Hoc; LIA12 Hoc; LIA01 Hoc; LIA11 Hoc; LIA07 Hoc
Subject: FW: 1600 EST USNRC Earthquake/Tsunami Status Update
Importance: High

From: Pace, Patti
Sent: Friday, March 11, 2011 7:27 PM
To: Mroz (Sahm), Sara
Cc: HOO Hoc; Batkin, Joshua; Coggins, Angela
Subject: FW: 1600 EST USNRC Earthquake/Tsunami Status Update
Importance: High

Good Evening,

Thank you very much for these updates. Would it be possible to make sure that the Chairman and the following members of his staff are included on all of the updates?

Please add:

Gregory Jaczko
Angela Coggins
Susan Loyd
John Monninger
Laura Pearson
Roberta Warren

Please keep those already on the distribution list:

Joshua Batkin
Patti Pace
Thomas Hipschman
Michael Marshall

Many thanks!

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

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, Jeffry; 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

From: LIA11 Hoc
Sent: Saturday, March 12, 2011 5:22 AM
To: Hipschman, Thomas; Marshall, Michael; Batkin, Joshua; Castleman, Patrick; Orders, William; Bubar, Patrice; 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, Jeffry; Harrington, Holly; Michael Dudek; Maier, Bill; Howell, Linda; Dorman, Dan; Vanessa.Quinn@dhs.gov; Michelle.Ralston@dhs.gov; Albert.Coons@dhs.gov; Harry.Sherwood@dhs.gov; James.Kish@dhs.gov; Seamus.O'boyle@dhs.gov; Timothy.Greten@dhs.gov; (b)(6)
(b)(6); cmc-01@dot.gov
Subject: 03/12/2011, 0400 NRC Sitrep
Attachments: Japan Sitrep1.docx

Very Respectfully,

Jason Lising
US NRC Federal Liaison
301-816-5186

From: Pace, Patti
Sent: Saturday, March 12, 2011 10:21 AM
To: Monninger, John
Subject: Fw: 1000 NRC SITREP
Attachments: Japan Sitrep2.docx

Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: LIA11 Hoc
To: Hipschman, Thomas; Marshall, Michael; Batkin, Joshua; Castleman, Patrick; Snodderly, Michael; Orders, William; Bubar, Patrice; 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, Jeffry; Harrington, Holly; (b)(6); Maier, Bill; Howell, Linda; Dorman, Dan; Schmidt, Rebecca; McDermott, Brian; Vanessa.Quinn@dhs.gov <Vanessa.Quinn@dhs.gov>; Michelle.Ralston@dhs.gov <Michelle.Ralston@dhs.gov>; Albert.Coons@dhs.gov <Albert.Coons@dhs.gov>; Harry.Sherwood@dhs.gov <Harry.Sherwood@dhs.gov>; James.Kish@dhs.gov <James.Kish@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>; Kozal, Jason
Sent: Sat Mar 12 10:04:50 2011
Subject: 1000 NRC SITREP

All,

Attached please find a the second SITREP issued by the Federal Liaison Team.

Beth Reed
US NRC Federal Liaison
301-816-5186

~~—OFFICIAL USE ONLY—~~

Department of Homeland Security Incident Management DHS Initial Situation Report	
From:	US Nuclear Regulatory Commission
To:	DHS National Operations Center Watch Officer
SITREP No:	2
Date/Time (ET):	03/12/2011, 1000 ET
1. Incident Type	Earthquake and Tsunami
2. Location of Incident	Japan
3. Date/Time of Incident (ET)	Press reports date 3/11/11 0146 (EST) loss of power at Unit 1,2, and 3 emergency. Unit 4, 5, and 6 shutdown. Unit 1, 2, and 3 emergency diesel generators (EDG) failed after tsunami, resulting in complete loss of Alternating Current for all three units. On 3/12/11, 0340 (EST), explosion on site is confirmed, but location of facility is not confirmed.
4. Incident Site Weather Conditions	Wind direction from 233 degree speed less than 3.9 m/sec stability class E, no precipitation.
5. Threat/Causal Factors	Earthquakes and tsunami leading to possible loss of emergency cooling.
6. Initial On-Scene Status/Capabilities Assessment	
A.	Casualties (e.g., dead, hospitalized) None available.
B.	Property Damage - Nuclear reactor. Loss of emergency power/loss of emergency cooling. Apparent core damage based on reported radiation levels. Media reports of explosion may indicate possible loss of secondary containment, outer building breached (unverified).
C.	Infrastructure Affected – Emergency diesel fuel tanks and piping.
D.	Terrorism Nexus – None.
E.	General Population Status – Evacuated <10km, no power. No confirmation of 20km evacuation
F.	Weather Effects – Wind direction is out to sea.
G.	Extent of Contamination – Release in progress. Magnitude and extent unknown.
H.	On-Scene/En Route Capabilities – 2 NRC representatives enroute with USAID team.
I.	Requests for Additional Support – None known.
J.	Possible Cascading Effects – Release of radiation. Population evacuation at two sites within 10km radius. If containment failure, impacts on other unit recovery personnel.
K.	WMD Effects – none.
L.	Indications of Follow-on Incidents – Earthquakes near Niigata Prefect.
6. Initial Response (e.g., on-scene assets, EOCs activated, local/regional response, etc.)	
A.	Local – Japan issued state of emergency.
B.	State – None.
C.	Federal – NRC Headquarters EOCs activated.
7.	Federal/State/Local/International/Private Sector Notifications – DHS, IAEA, DOE, FEMA, DOD (NAVSEA08, CNIC HQ, DTRA).
8.	COOP/COG Actions Anticipated – None.
9.	National Capitol Region Impact – None.
10.	International Impact – Japan.
11.	DHS Initial Actions/Intentions Press releases, White House notifications.
12.	Additional Remarks – None.
13.	Prepared By: Beth Reed Contact Information: LIA11.Hoc@nrc.gov; 301-816-5186
14.	Approved By: Executive Team

From: Pace, Patti
Sent: Saturday, March 12, 2011 10:21 AM
To: Monninger, John
Cc: Coggins, Angela; Batkin, Joshua
Subject: Fw: 1600 EST USNRC Earthquake/Tsunami Status Update

Hi John,

If you are at the ops center still, could you reiterate the need for all of the members of the Chairmans staff outlined below to be included in any status update they send out? One just went out a little while ago and Angela did not receive it. I will forward it to you in case you haven't seen it either.

Thanks
Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: LIA07 Hoc
To: Pace, Patti
Cc: HOO Hoc; LIA04 Hoc; LIA02 Hoc; LIA12 Hoc; LIA01 Hoc; LIA11 Hoc
Sent: Fri Mar 11 19:41:11 2011
Subject: RE: 1600 EST USNRC Earthquake/Tsunami Status Update

We will add those names to the distribution!
Thanks,
Sara

From: HOO Hoc
Sent: Friday, March 11, 2011 7:40 PM
To: LIA04 Hoc; LIA02 Hoc; LIA12 Hoc; LIA01 Hoc; LIA11 Hoc; LIA07 Hoc
Subject: FW: 1600 EST USNRC Earthquake/Tsunami Status Update
Importance: High

From: Pace, Patti
Sent: Friday, March 11, 2011 7:27 PM
To: Mroz (Sahm), Sara
Cc: HOO Hoc; Batkin, Joshua; Coggins, Angela
Subject: FW: 1600 EST USNRC Earthquake/Tsunami Status Update
Importance: High

Good Evening,

Thank you very much for these updates. Would it be possible to make sure that the Chairman and the following members of his staff are included on all of the updates?

Please add:

Gregory Jaczko

Angela Coggins
Susan Loyd
John Monninger
Laura Pearson
Roberta Warren

Please keep those already on the distribution list:

Joshua Batkin
Patti Pace
Thomas Hipschman
Michael Marshall

Many thanks!

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

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, Jeffry; 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

From: Coggins, Angela
Sent: Saturday, March 12, 2011 10:11 AM
To: Pace, Patti
Subject: Re: 1000 NRC SITREP

No - thank you!!
Angela Coggins
Policy Director
Office of Chairman Gregory B Jaczko
US Nuclear Regulatory Commission
angela.coggins@nrc.gov/301-415-1828

From: Pace, Patti
To: Coggins, Angela
Sent: Sat Mar 12 10:09:36 2011
Subject: Fw: 1000 NRC SITREP

Hi Angela,

On my bb the distribution list is truncated. Did you get the message below?

Thanks
Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: LIA11 Hoc
To: Hipschman, Thomas; Marshall, Michael; Batkin, Joshua; Castleman, Patrick; Snodderly, Michael; Orders, William; Bubar, Patrice; 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, Jeffry; Harrington, Holly; (b)(6); Maier, Bill; Howell, Linda; Dorman, Dan; Schmidt, Rebecca; McDermott, Brian; Vanessa.Quinn@dhs.gov <Vanessa.Quinn@dhs.gov>; Michelle.Ralston@dhs.gov <Michelle.Ralston@dhs.gov>; Albert.Coons@dhs.gov <Albert.Coons@dhs.gov>; Harry.Sherwood@dhs.gov <Harry.Sherwood@dhs.gov>; James.Kish@dhs.gov <James.Kish@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>; Kozal, Jason
Sent: Sat Mar 12 10:04:50 2011
Subject: 1000 NRC SITREP

All,

Attached please find a the second SITREP issued by the Federal Liaison Team.

Beth Reed
US NRC Federal Liaison
301-816-5186

From: LIA07 Hoc
Sent: Saturday, March 12, 2011 1:54 PM
To: Hipschman, Thomas; Marshall, Michael; Batkin, Joshua; Castleman, Patrick; Snodderly, Michael; Orders, William; Bubar, Patrice; Franovich, Mike; Wittick, Brian; Andersen, James; (b)(6); 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, Jeffrey; Harrington, Holly; Jaczko, Gregory; Coggins, Angela; Loyd, Susan; Monninger, John; Pearson, Laura; Warren, Roberta; (b)(6); Maier, Bill; Howell, Linda; Dorman, Dan; McDermott, Brian; vanessa.quinn@dhs.gov; michelle.ralston@dhs.gov; albert.coons@dhs.gov; harry.sherwood@dhs.gov; james.kish@dhs.gov; seamus.o'boyle@dhs.gov; timothy.greten@dhs.gov; (b)(6); (b)(6); cmc-01@dot.gov; peter.lyons@hq.doe.gov; (b)(6); Dean, Bill; McCree, Victor; Satorius, Mark; Collins, Elmo
Subject: 1300 EST (March 12, 2011) USNRC Earthquake/Tsunami SitRep
Attachments: USNRC Japan SitRep.031211.1330EST.docx

Attached, please find a 1330 EST situation report from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami on March 12, 2011. Please note that this information 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: Pace, Patti
Sent: Sunday, March 13, 2011 9:06 PM
To: (b)(6)
Subject: FW: 2000 EDT (March 13, 2011) USNRC Earthquake/Tsunami SitRep
Attachments: USNRC Earthquake-Tsunami Update.031311.2000EDT.docx

Mr. Chairman,

Here is the 8:00PM update.

Thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: LIA07 Hoc
Sent: Sunday, March 13, 2011 8:28 PM
To: LIA07 Hoc; 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, Jeffery; Sheron, Brian; Snodderly, Michael; Sosa, Belkys; Steve Colman; Thomas Zerr; Tift, Doug; Timothy Greten; Trapp, James; Trojanowski, Robert; Vanessa Quinn; W Webb; Warren, Roberta; Wiggins, Jim; Williams, Kevin; Wittick, Brian; Woodruff, Gena
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)

From: Hoc, PMT12
Sent: Monday, March 14, 2011 11:47 AM
To: Pace, Patti; Batkin, Joshua; Jaczko, Gregory
Subject: NRC/PMT input for White House Briefing
Attachments: Briefing for White House and Chairman 1130 3-14.docx

Attached.

Briefing for White House and Chairman

3/14/11, 11:30, NRC PMT

The NRC /Protective Measures Team is in the process of running dose assessment scenarios for all three units that assume 40% core melt similar to the TMI scenario, and at design leak rate because primary containments are all in-tact. This will give us flexibility in terms of scaling up or down once we have updated information. We anticipate that in this scenario will result in exceeding the PAGs for Iodine approximately 0.5 miles from the plant from any one of the units. We are coordinating with DOE, National Incident Response Team and National Atmospheric Release Advisory Center (NARAC) and supplying source term information so they can run more sophisticated models. We will give NARAC our update of the 3 units at noon today, then they will do their run. We expect that NARAC will take 2 hours to do their run. We will review the data with NARAC and Naval Reactors and have info available at 4:00 pm on 3/14/11.

We are considering the changing met conditions and modeling the forecast which shows a wind shift and precipitation from the North and towards population areas. Because all information shows that primary containment is in-tact, we are incorporating this realism in the calculations. We are using actual data (radiological and meteorological), where available.

We have not heard updates to the current protective measures of evacuation to 20 km as well as the use of shelter in place for residents left in the area and issuance of KI. This is consistent with NRC practices, based on current information available.

From: Hoc, PMT12
Sent: Monday, March 14, 2011 12:10 PM
To: Jaczko, Gregory; Batkin, Joshua; Pace, Patti
Subject: RST/PMT update

RST

Loss of injection to vessel during a station blackout (loss of ac power)

- Assumptions
 - No cooling to the core.
 - Loss of inventory control to the reactor vessel.
 - DC power and pneumatic control is available to operate safety relief valves.
 - Drywell is flooded with borated seawater.
 - 40% core melt (consistent with Protective Measures Team assessment).
- Postulated sequence of events
 - Steam cooling will start in the vessel on partial uncover of fuel.
 - Decrease of level to bottom of active fuel.
 - Core material will start melting in vessel.
 - Core material will relocate to lower plenum and boil off any remaining water.
 - Core material will fail lower head by creep and pour onto the drywell floor.
 - Molten core will drop into the water in the drywell.
 - Containment failure is not anticipated.

PMT

- (b)(5)

 - (b)(5)
- (b)(5)

 - (b)(5)
 - (b)(5)
- Staff is currently working with NARAC to develop more realistic information based on known conditions. Will have info by 4:00 pm 3/14/11.

From: LIA07 Hoc
Sent: Monday, March 14, 2011 2:50 PM
To: Pace, Patti
Subject: RE: 1330 EDT (March 14, 2011) USNRC Earthquake/Tsunami SitRep

Will do.

From: Pace, Patti
Sent: Monday, March 14, 2011 2:49 PM
To: LIA07 Hoc
Cc: Gibbs, Catina; Speiser, Herald
Subject: RE: 1330 EDT (March 14, 2011) USNRC Earthquake/Tsunami SitRep

Good Afternoon,

Could you please add the following members of our staff to the distribution list for this update:

Catina Gibbs

Herald Speiser

Thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: LIA07 Hoc
Sent: Monday, March 14, 2011 2:07 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; 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; Schmidt, Rebecca; Powell, Amy; Loyd, Susan; Coggins, Angela; Batkin, Joshua; taskforce-1@state.gov; NOC; Charles Donnell; (b)(6); (b)(6); (b)(6); NSIR_DDSP_ILTAB_Distribution; nitops@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

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 (Operations Center)

From: Vietti-Cook, Annette
Sent: Monday, March 14, 2011 5:50 PM
To: Pace, Patti
Subject: RE: 1330 EDT (March 14, 2011) USNRC Earthquake/Tsunami SitRep

Anything we can do to help!

From: Pace, Patti
Sent: Monday, March 14, 2011 5:37 PM
To: Vietti-Cook, Annette
Subject: RE: 1330 EDT (March 14, 2011) USNRC Earthquake/Tsunami SitRep

You may want to contact the HOO and ask that you are added to the distribution list.

Thanks for all of your help with the call today and yesterday. There will be more to come, I'm sure!

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Vietti-Cook, Annette
Sent: Monday, March 14, 2011 5:32 PM
To: Pace, Patti
Subject: RE: 1330 EDT (March 14, 2011) USNRC Earthquake/Tsunami SitRep

Thanks! Very helpful

From: Pace, Patti
Sent: Monday, March 14, 2011 5:28 PM
To: Vietti-Cook, Annette
Subject: FW: 1330 EDT (March 14, 2011) USNRC Earthquake/Tsunami SitRep

Hi Annette,

Are you on the list to receive these updates? This might be more useful than the talking points as they are pushed out on regular intervals outside of my requesting them. I scanned the list below but didn't see your name.

Thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: LIA07 Hoc

Sent: Monday, March 14, 2011 2:07 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, Harral; 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; Sheron, Brian; Snodderly, Michael; Sosa, Belkys; Steve Colman; Thomas Zerr; Tift, Doug; Timothy Greten; 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; NOC; Charles Donnell; (b)(6)

(b)(6)
NSIR_DDSP_ILTAB_Distribution; nitops@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

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 (Operations Center)

From: Jaczko, Gregory
Sent: Monday, March 14, 2011 10:34 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: 2200 EDT (March 14 2011) USNRC Earthquake/Tsunami SitRep
Attachments: NRC Status Update 3-14 10.10pm.pdf

From: LIA07 Hoc
Sent: Monday, March 14, 2011 10:33:56 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, Harral; 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
Auto forwarded by a Rule

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
Lia07.HOC@nrc.gov (Operations Center)

From: Jaczko, Gregory
Sent: Tuesday, March 15, 2011 6:03 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: 0600 EDT (March 15 2011) USNRC Earthquake/Tsunami SitRep
Attachments: NRC Status Update 3-15.11--0600am.pdf

From: LIA07 Hoc
Sent: Tuesday, March 15, 2011 6:01:58 AM
To: Al Coons; Appleman Binkert; Bill King; Bill King 2; Charles Burrows; Charles Donnell; Conrad Burnside; Dan Feighert; Darrell Hammons; DOE NIT; DOT; DTRA; dudek; Elmer Naples; EOP; EPA; EPA2; Eric Sinibaldi; Gregory Simonson; Harry Sherwood; HHS; J Szymanski; Jim Kish; Johanna Berkey; John Holdren; K Donald; Karyn Keller; Lisa Hammond; Lukas McMichael; Maceck; Michelle Ralston; Nan Calhoun; Navy; NOC; NOC Duty Director; Nuclear SSA; Peter Lyons; Rebecca Thomson; RMT; Ron McCabe; Seamus O'Boyle; State; Stephen Trautman; Steve Colman; Steve Horwitz; Thomas Conran; Thomas Zerr; Tim Greten; Vanessa Quinn; William Webb; Andersen, James; Anderson, Joseph; Barker, Allan; Batkin, Joshua; Bradford, Anna; Brenner, Eliot; Bubar, Patrice; Castleman, Patrick; Coggins, Angela; Collins, Brendan; Collins, Elmo; Dean, Bill; Decker, David; Dorman, Dan; Droggitis, Spiros; Franovich, Mike; Gibbs, Catina; Hahn, Matthew; Haney, Catherine; Harrington, Holly; Hipschman, Thomas; HOO Hoc; Howell, Art; Howell, Linda; Jaczko, Gregory; Johnson, Andrea; Johnson, Michael; Kahler, Robert; Leeds, Eric; Logaras, Haral; Loyd, Susan; Maier, Bill; Marshall, Michael; McCree, Victor; McDermott, Brian; McNamara, Nancy; Miller, Charles; Miller, Chris; Monninger, John; Nieh, Ho; NSIR_DDSP_ILTAB_Distribution; Orders, William; Ostendorff, William; Pace, Patti; Pearson, Laura; Satorius, Mark; Schmidt, Rebecca; Sharkey, Jeffry; Sheron, Brian; Snodderly, Michael; Sosa, Belkys; Speiser, Herald; Tift, Doug; Trapp, James; Trojanowski, Robert; Warren, Roberta; Wiggins, Jim; Williams, Kevin; Wittick, Brian; Woodruff, Gena
Subject: 0600 EDT (March 15 2011) USNRC Earthquake/Tsunami SitRep
Auto forwarded by a Rule

Attached, please find a March 15, 2011, 0600 EDT situation report from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami. 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.

-Rebecca

Rebecca Stone
Office of Nuclear Security & Incident Response
US Nuclear Regulatory Commission
Lia07.HOC@nrc.gov (Operations Center)
Rebecca.Stone@nrc.gov

From: Pace, Patti
Sent: Tuesday, March 15, 2011 1:02 PM
To: Marshall, Michael
Subject: FW: Latest Q&A and talking points
Attachments: Chairman JaczkoQA7_031511.docx; QUAKE_TP_3_15.docx

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Bradford, Anna
Sent: Tuesday, March 15, 2011 11:39 AM
To: Batkin, Joshua; Coggins, Angela; Loyd, Susan
Cc: Monninger, John; Pace, Patti; Montes, David
Subject: FW: Latest Q&A and talking points

FYI. I'll print this out and put it in the binder.

Anna Bradford
Policy Advisor for Nuclear Materials
Office of Chairman Jaczko
U.S. Nuclear Regulatory Commission
301-415-1827

From: Burnell, Scott
Sent: Tuesday, March 15, 2011 11:32 AM
To: Bradford, Anna
Cc: Brenner, Eliot
Subject: Latest Q&A and talking points

Anna;

Attached are the documents provided to the EDO and OCA for upcoming briefings for the Chairman's office to share with the rest of the Commission if desired – OIP still working on question of Japanese backup power requirements – fallback answer is that we can only speak to issues under our jurisdiction. Documents are also on WebEOC.

Thanks.

Scott

From: Pace, Patti
Sent: Tuesday, March 15, 2011 4:01 PM
To: (b)(6)
Subject: FW: Latest Q&A and talking points
Attachments: Chairman JaczkoQA7_031511.docx; QUAKE_TP_3_15.docx

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Jaczko, Gregory
Sent: Tuesday, March 15, 2011 3:59 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Latest Q&A and talking points

From: Bradford, Anna
Sent: Tuesday, March 15, 2011 3:59:19 PM
To: Jaczko, Gregory
Cc: Batkin, Joshua
Subject: FW: Latest Q&A and talking points
Auto forwarded by a Rule

As requested, please see attached.

Anna Bradford
Policy Advisor for Nuclear Materials
Office of Chairman Jaczko
U.S. Nuclear Regulatory Commission
301-415-1827

From: Burnell, Scott
Sent: Tuesday, March 15, 2011 11:32 AM
To: Bradford, Anna
Cc: Brenner, Eliot
Subject: Latest Q&A and talking points

Anna;

Attached are the documents provided to the EDO and OCA for upcoming briefings for the Chairman's office to share with the rest of the Commission if desired – OIP still working on question of Japanese backup power requirements – fallback answer is that we can only speak to issues under our jurisdiction. Documents are also on WebEOC.

OPA

TALKING POINTS

JAPAN NUCLEAR SITUATION

As of 3/15/2011 8:30 A.M. EDT

- The NRC continues to believe that the type and design of the Japanese reactors, combined with how events have unfolded, will prevent radiation at harmful levels from reaching U.S. territory.
- The NRC believes the Japanese response to the reactor situations and the protective actions they are taking are comparable to how we would respond. We advise Americans in Japan to follow the guidance of Japanese officials.
- The Japanese government has formally asked for U.S. assistance in responding to nuclear power plant cooling issues triggered by an earthquake and tsunami on March 11. The NRC has two staff on the ground in Japan as part of the USAID team and 10 other NRC personnel are enroute.
- The NRC is coordinating its actions with other federal agencies as part of the U.S. government response. The NRC's headquarters Operations Center is activated and monitoring the situation on a 24-hour basis.

- The NRC is always looking to learn information that can be applied to U.S. reactors and we will analyze the information that comes from this incident.
- The NRC is working with other U.S. agencies to monitor radioactive releases from Japan and to predict their path.
- Given the results of the monitoring and distance between Japan and Hawaii, Alaska, U.S. Pacific Territories and the U.S. West Coast, the NRC expects the U.S. to AVOID any harmful levels of radioactivity.
- U.S. nuclear power plants are built to withstand environmental hazards, including earthquakes. Even those plants that are located outside of areas with extensive seismic activity are designed for safety in the event of such a natural disaster.
- The NRC requires that safety-significant structures, systems, and components be designed to take into account the most severe natural phenomena historically reported for the site and surrounding area. The NRC then adds a margin for error to account for the historical data's limited accuracy. In other words, U.S. nuclear power plants are designed to be safe based on historical data to predict the area's maximum credible earthquake.

Questions and Answers for Chairman Jaczko

March 11, 2011 Japan Earthquake/Tsunami Aftermath

As of 11:30 a.m. 3/15/2011

1. What is the NRC doing about the emergencies at the nuclear power plants in Japan? Are you sending staff over there?

Public Answer: We are closely following events in Japan, working with other agencies of the federal government, and have been in direct contact with our counterparts in that country. We have sent a total of 11 staff to Tokyo in response to the Japanese government's request for assistance. Two of those NRC staff members, knowledgeable about boiling water reactors, are already in Japan participating in the USAID team.

Additional technical, non-public information:

We are taking the knowledge that the staff has about the design of the US nuclear plants and we are applying this knowledge to the Japan situation. For example, this includes calculations of severe accident mitigation that have been performed. Tony Ulises and Jim Trapp are in-country. Team led by Chuck Casto enroute from various locations.

2. What's going to happen following the hydrogen explosions everyone's seen from the video footage?

Public Answer: The NRC is aware of the Japanese efforts to stabilize conditions at the affected reactors, and those actions are in line with what would be done in the United States. The NRC continues to monitor information on the status of the reactor core, the reactor vessel and the containment structure – all three areas are important to controlling the situation and protecting the public.

Additional technical, non-public information:

The explosions affected the secondary containment buildings for Units 1 and 3 of the reactor plant. The primary containment was unaffected by the explosion. This does expose the spent fuel pools to atmosphere but should not affect the integrity of the spent fuel pool. With the integrity of the Secondary Containment breached it is more essential to maintain Primary Containment intact.

To provide additional protection to Primary Containment, US reactors of the containment type similar to Fukushima Unit 1 installed a hardened vent line from primary containment directly to the vent stack. A hardened vent provides a release path which would prevent an overpressurization of containment as experienced at Fukushima Unit One. Venting from the hardened vent is typically a manual operation that is controlled by the Emergency Operating Procedures as a last resort to protect the containment from failure. This vent path can be directly from the upper containment or from the torus (the preferred vent path due to scrubbing effect of the torus water).

3. What should be done to protect people in Alaska, Hawaii and the West Coast from radioactive fallout?

Public Answer: The NRC continues to believe that the type and design of the Japanese reactors, combined with how events have unfolded, will prevent radiation at harmful levels from reaching U.S. territory.

Additional technical, non-public information: NRC is working with DHS, EPA and other federal partners to ensure monitoring equipment for confirmatory readings is properly positioned, based on meteorological and other relevant information.

Questions and Answers developed by Rob Taylor

4. Can this happen here i.e. an earthquake that significantly damages a nuclear power plant? Are the Japanese plants similar to U.S. plants?

Public Answer: All U.S. nuclear power plants are built to withstand environmental hazards, including earthquakes and tsunamis. Even those plants that are located in areas with low and moderate 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 even very rare and extreme seismic and tsunami events.

The Japanese facilities are similar in design to several US facilities.

Additional technical, non-public information:

Currently operating reactors were designed using a "deterministic" or "maximum credible earthquake" approach. Seismic hazard for the new plants is determined using a much more robust probabilistic seismic hazard assessment approach that explicitly addresses uncertainty and very rare events, as described in RG1.208. The NRC requires that adequate margin beyond the design basis ground shaking levels is assured. The NRC further enhances seismic safety for beyond-design-basis events through the use of a defense-in-depth approach.

In addition, the NRC periodically reviews the seismic risk at operating reactors when information may have changed. Over the last few years the NRC has undertaken a program called Generic Issue 199, which is focused on assessing hazard for plants in the central and eastern US using the latest techniques (developed in part during reviews of Western U.S. plants) and determining the possible risk implications of any increase in the anticipated ground shaking levels. This program will help us assure that the plants are safe under exceptionally rare and extreme ground motions that represent beyond-design-basis events.

5. What would U.S. plants do in this situation?

Public Answer: The NRC requires plant designs to include multiple and diverse safety systems, and plants must test their emergency preparedness capabilities on a regular basis. Plant operators are very capable of responding to significant events. In addition, NRC regulations require plants to have plans in place that would allow them to mitigate even "worst case scenarios".

Since 9/11, we have implemented requirements for licensees to have additional response capabilities for extreme situations.

Additional technical, non-public information:

U.S. nuclear plants have procedures in place to address a variety of accident scenarios, including abnormal operating procedures, emergency operating procedures, severe accident management guidelines and emergency plans. Additionally, the NRC activates Incident Response centers in Headquarters and individual Regions as necessary for the event to provide technical monitoring and support.

The NRC is capable of providing access to many external agencies (i.e., FEMA, Homeland Security, Military, etc.) to provide any additional help that individual plant sites may need. Additionally, the NRC has access to real-time plant information through the ERDS System for each site in the US and can monitor the status anytime.

6. Are U.S. power plants designed to withstand tsunamis?

Public Answer: Yes. Plants are built to withstand a variety of environmental hazards. Those plants that might face a threat from tsunami are required to withstand large waves and the maximum and minimum wave heights at the intake structure (which varies by plant.)

Additional, technical, non-public information:

Tsunami have been considered in the design of US nuclear plants since the publication of Regulatory Guide 1.59 in 1977, although the approaches that were used for design of the existing plants varied significantly. Nuclear plants are designed to withstand flooding from not only tsunami, but also hurricane and storm surge; therefore there is often significant margin against tsunami flooding. However, it should be noted that Japanese experience has shown that drawdown can be a significant problem. Drawdown was not generally analyzed in the past.

Currently the US NRC has a tsunami research program that is focused on developing modern hazard assessment techniques and additional guidance through cooperation with the National Oceanic and Atmospheric Administration and the United States Geological Survey. This has already lead to several technical reports and an update to NUREG 0-800. The NOAA and USGS contractors are also assisting with NRO reviews of tsunami hazard. A new regulatory guide on tsunami hazard assessment is currently planned in the office of research, although it is not expected to be available in draft form until 2012.

7. What happens when/if a plant "melts down"?

Public Answer: In short, nuclear power plants in the United States are designed to be safe. To prevent the release of radioactive material, there are multiple barriers between the radioactive material and the environment, including the fuel cladding, the heavy steel reactor vessel itself and the containment building, usually a heavily reinforced structure of concrete and steel several feet thick.

Additional, technical, non-public information:

The melted core may melt through the bottom of the vessel and flow onto the concrete containment floor. The core may melt through the containment liner and release radioactive material to the environment.

8. Why is KI administered during nuclear emergencies?

Public Answer: KI – potassium iodide – is one of the protective measures that might be taken in a radiological emergency in this country. A KI tablet will saturate the thyroid with non radioactive iodine and prevent the absorption of radioactive iodine that could be part of the radioactive material mix of radionuclides in a release. KI does not prevent exposure from these other radionuclides.

Additional, technical non-public information.

There are a range of protective measures that we use ... the most effective is evacuation. Local government officials are responsible for determining the best means to protect their public. KI is another means for protection but evacuation and sheltering are the primary means that are used.

9. Was there any damage to U.S. reactors from either the earthquake or the resulting tsunami?

Public Answer: No

Additional, technical non-public information: Diablo Canyon Units 1 and 2 were the only US plants to declare any type of an emergency classification. The site entered an "unusual event" based on a tsunami warning from the State, NOAA, NWS, Coast Guard or System Dispatcher following the Japanese earthquake. They have since exited the "unusual event" declaration, based on a downgrade to a tsunami advisory.

10. Has this incident changed the NRC perception about earthquake risk?

Public Answer: There has been no change in the NRC's perception of earthquake hazard (i.e. ground shaking levels) for US nuclear plants. As is prudent, the NRC will certainly be looking closely at this incident and the effects on the Japanese nuclear power plant in the future to see if any changes are necessary to NRC regulations.

Additional, technical, non-public information.

We expect that there would be lessons learned, etc. It appears that the sites did not have any critical damage due to the earthquake from the fact that the emergency diesel generators initially responded to provide power to the site. The tsunami and consequential site flooding was responsible for the complete loss of power to the site, including the diesel generators which resulted in a Station Blackout.

11. Will this incident affect new reactor licensing?

Public Answer: It is not appropriate to hypothesize on such a future scenario at this point.

Additional, technical non-public information:

This event could potentially call into question the NRC's seismic requirements which could require the staff to re-evaluate the staff's approval of the AP1000 and ESBWR design and certifications.

12. What magnitude earthquake are US plants designed to?

Public Answer: Each plant is designed to a ground-shaking level that is appropriate for its location, given the possible earthquake sources that may affect the site and its tectonic environment. Ground shaking is a function of both the magnitude of an earthquake and the distance from the fault plane to the site. The probabilistic approaches currently used by the NRC account for a large number of different magnitudes.

Additional, technical non-public information:

In the past, "deterministic" or "scenario based" analyses were used to determine ground shaking (seismic hazard) levels. Now a probabilistic method is used that accounts for all possible earthquakes coming from all possible sources (including background seismicity) and the likelihood that each particular hypothetical earthquake occurs.

13. How many US reactors are located in active earthquake zones (and which reactors)?

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

Additional, technical non-public information: No additional.

14. How many reactors are along coastal areas that could be affected by a tsunami (and which ones)?

Public Answer: Many plants are located in coastal areas that could theoretically be affected by tsunami. Two plants, Diablo Canyon and San Onofre, are on the Pacific Coast, which is known to have tsunami hazard. There are also two plants on the Gulf Coast, South Texas and Crystal River. There are many plants on the Atlantic Coast or on rivers that may be affected by a tidal bore. These include St. Lucie, Turkey Point, Brunswick, Oyster Creek, Millstone, Pilgrim, Seabrook, Calvert Cliffs, Salem/Hope Creek, and Surry. Tsunami on the Gulf and Atlantic Coasts occur, but are very rare. Generally the flooding anticipated from hurricane storm surge exceeds the flooding expected from a tsunami for plants on the Atlantic and Gulf Coast.

Additional, technical non-public information: None

15. How many U.S. plants have designs similar to the affected Japanese reactors (and which ones)?

Public answer: Thirty-five of the 104 operating nuclear power plants in the U.S. are boiling water reactors (BWRs), as are the reactors at Fukushima. Twenty-three of the U.S. BWRs have the same Mark I containment as the Fukushima reactors.

Four of the U.S. BWRs are early designs which are similar to Fukushima Unit 1.

Nineteen U.S. BWRs are similar to Fukushima Unit 3.

Additional Information

Fukushima Unit 1 is a BWR-3 with a Mark 1 containment similar to Oyster Creek, Nine Mile Point Unit 1, and Dresden Units 2 and 3.

Fukushima Unit 3 is a BWR-4 with a Mark 1 containment and a Reactor Core Isolation Cooling (RCIC) system. The remaining 31 U.S. BWRs use a Reactor Core Isolation Cooling (RCIC) system instead of an isolation condenser. Nineteen of those 31 reactors have a Mark 1 containment, while the remainder are more recent designs.

16. What resources are the Japanese asking for?

The Japanese have formally requested equipment needed to cool the reactor fuel. This includes such things as pumps, fire hoses, portable generators, and diesel fuel. The NRC is coordinating with General Electric, which has plant design specifications, to ensure any equipment provided will be capable of meeting the needs of the Japanese.

17. What should the American public know about the incident in Japan?

The events unfolding in Japan are the result of a catastrophic series of natural disasters. These include the fifth largest earthquake in recorded history and the resulting devastating tsunami. Despite these unique circumstances, the Japanese appear to have taken reasonable actions to mitigate the event and protect the surrounding population. Since the beginning of the event, the NRC has continuously manned its Operations Center in Rockville, MD in order to gather and examine all available information as part of the effort to analyze the event and understand its implications both for Japan and the United States.

18. What could you say about the dangers to the American public from our nuclear plants?

As the events in Japan continue to unfold, the NRC is focused on supporting the Japanese government and people in bringing this crisis to closure in the safest manner possible. The NRC remains convinced that U.S. nuclear power plants are designed and operated in a manner that protects public health and safety. The time will come, after this crisis is behind us, to evaluate what, if any, changes are needed at U.S. nuclear power plants. We will assess all the available information and, as we have done with previous natural disasters, such as the 2007 earthquake in the Sea of Japan and the 2004 tsunami in the Indian Ocean, evaluate whether enhancements to U.S. nuclear power plants are warranted.

19. What happens next in Japan? How long will it take to assess the damage to the reactors?

The current focus is ensuring that adequate cooling of the reactor fuel at each of the affected Japanese reactors is established and maintained. In the days, weeks, and months that follow, there will be adequate time to assess the damage and determine next steps.

20. Compare this incident to the Three Mile Island. What are the similarities?

The events at Three Mile Island in 1979 were the result of an equipment malfunction that resulted in the loss of cooling water to the reactor fuel. Subsequent operator actions compounded the malfunction ultimately resulting in the partial core meltdown. While details are still developing, the events in Japan appear to be the result of an earthquake and subsequent tsunami that knocked out electrical power to emergency safety systems designed to cool the reactor fuel. In both events the final safety barrier, the containment building, contained the majority of the radioactivity preventing its release to the environment.

21. Why did the seawater fail to cool the reactor?

Based on information available to the NRC, it appears that the seawater has been effective at providing some cooling for the reactor. While it appears that some fuel damage has occurred, there will be plenty of time once this crisis is resolved to determine the effectiveness of the measures taken in response to this event.

22. If Chernobyl was a 7 and Three Mile Island was a 5, when does this event move from the 4 level?

The International Atomic Energy Agency (IAEA) rates nuclear events in accordance with its International Nuclear and Radiological Event Scale (INES). IAEA has assigned the events in Japan an INES rating of 4, "Accident with Local Consequences." This rating is subject to change as events unfold and additional information becomes available. INES classifies nuclear accidents based on the radiological effects on people and the environment and the status of barriers to the release of radiation. IAEA determinations regarding the INES rating of events are made independently.

Three Mile Island was assigned an INES rating of 5, "Accident with Wider Consequences," due to the severed damage to the reactor core.

23. Are any Americans in danger – armed forces, citizens in Tokyo?

The NRC, in consultation with the White House and U.S. Embassy, has advised United States citizens in Japan to follow the protective measures recommended by the Japanese government. These measures appear to be consistent with steps the United States would take. The Department of Defense has personnel trained in radiation protective measures and is responsible for providing guidance to U.S. armed forces. Inquiries regarding U.S. citizens in Japan should be directed to the State Department, Consular Services at 202-647-7004.

24. What is the worst case scenario for the plant?

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

25. As time goes on, does the chance for a meltdown increase?

Not necessarily. Each passing hour the fuel rods will become cooler. If adequate cooling can be established and maintained, the risk of a meltdown will be mitigated.

26. Is our battery backup power less effective than the Japanese?

No. US regulations do not specify the length of time that you need to have the batteries operate following a loss of offsite power (most sites plan to have battery backup capability for 8 hours). Instead, the amount of time is dependent on the site recovery strategy and is based on

providing sufficient capacity to assure that the core is cooled and containment integrity and other vital functions are maintained in the event of postulated accidents.

27. Are we providing additional KI to the Japanese?

We have not been asked to provide KI.

28. What are US plants required to have for backup power? More than what the Japanese reactors did?

US plants need to meet 10 CFR 50 Appendix A criterion 17. Reactor units must have 2 independent power supplies. All US (except Oconee) plants have diesels and battery backup systems. Most of the US plants with diesels have two diesels per unit and those that have only one dedicated diesel have a swing diesel available. The regulations do not specify the length of time that you need to have the diesels and batteries operate following a loss of offsite power (most sites plan to run the diesels for multiple days and have battery backup capability for 8 hours). Instead the amount of time is dependent on the site recovery strategy and is based on providing sufficient capacity to assure that the core is cooled and containment integrity and other vital functions are maintained in the event of postulated accidents.

[[[Japanese regulations to follow from OIP.]]]

29. Some in the media and in Hill briefings are suggesting that Mark 1 containment is flawed. What are the concerns about this type of containment? Are the US plants with this safe?

BWR Mark I containments have relatively small volumes in comparison with PWR containments. This makes the BWR Mark I containment relatively more susceptible to containment failure given a core meltdown severe enough to (1) fail the reactor vessel and also (2) severe enough so that the core melt reaches the containment boundary. On the positive side, BWRs have more ways of adding water to the core than PWRs. This includes 2 water injection sources which do not rely on AC electric power. These systems include Reactor Core Isolation Cooling (RCIC) and High pressure coolant injection (HPCI).

The NRC considers BWRs with Mark I containment designs to be safe.

30. Any quick-hit info about how the Southeast Reactors performed during Katrina? What damage did the flood water do? Any power loss?

The reactors performed as designed. Waterford was the most impacted while River Bend also experienced some effects.

Waterford 3 (near New Orleans, LA) did not have damage to any safety equipment during, or shortly after Katrina. They shut down on August 28, 2005, in advance of the hurricane strike. The flooding did affect local infrastructure, including communications and power distribution. However, the plant successfully used their emergency diesel generators to furnish plant power. Access was maintained to the plant throughout the event. On September 9, 2005, after a comprehensive review by FEMA and the NRC, the plant was authorized to restart.

River Bend Station (30 miles north of Baton Rouge, LA) did not experience damage to any safety related equipment and only minimal damage to emergency planning equipment (one siren) during and after Hurricane Katrina. The station reduced power to 70 percent core thermal power on August 28, 2005, due to reduced electrical grid loads. Access was maintained to the plant throughout the event. On September 2, 2005, the plant returned to 100% power.

Also, in 1992 the eye of Hurricane Andrew, a category 5 hurricane, passed directly over the Turkey Point nuclear plant. The plant was shut down prior to the hurricane making landfall and an assessment of the plant following the hurricane demonstrated that the plant sustained very little damage and all of the safety equipment was intact. (Most of the damage was to the security fences being blown down).

31. With NRC moving to design certification, at what point is seismic capability tested – during design or modified to be site-specific? If in design, what strength seismic event must these be built to withstand?

The regulations related to seismic requirements are contained in 10 CFR 50 Appendix A criterion 2.

During design certification, vendors propose a seismic design in terms of a ground motion spectrum for their nuclear facility. This spectrum is called a standard design response spectrum and is developed so that the proposed nuclear facility can be sited at most locations in the central and eastern United States. The vendors show that this design ground motion is suitable for a variety of different subsurface conditions such as hard rock, deep soil, or shallow soil over rock. Combined License and Early Site Permits applicants are required to develop a site specific ground motion response spectrum that takes into account all of the earthquakes in the region surrounding their site as well as the local site geologic conditions. Applicants estimate the ground motion from these postulated earthquakes to develop seismic hazard curves. These seismic hazard curves are then used to determine a site specific ground motion response spectrum that has a maximum annual likelihood of 1×10^{-4} of being exceeded. This can be thought of as a ground motion with a 10,000 year return period. This site specific ground motion response spectrum is then compared to the standard design response spectrum for the proposed design. If the standard design ground motion spectrum envelopes the site specific ground motion spectrum then the site is considered to be suitable for the proposed design. If the standard design spectrum does not completely envelope the site specific ground motion spectrum, then the COL applicant must do further detailed structural analysis to show that the design capacity is adequate. Margin beyond the standard design and site specific ground motions must also be demonstrated before fuel loading can begin.

From: Marshall, Michael
Sent: Tuesday, March 15, 2011 9:23 PM
To: Coggins, Angela; Batkin, Joshua; Loyd, Susan; Pace, Patti; Warren, Roberta; Pearson, Laura; Dhir, Neha; Clark, Lisa
Cc: Hipschman, Thomas
Subject: Highlights of 03/15/11 8:00pm Commission Assistant Brief

Fukushima Daiichi Units 1, 2, and 3

- Status unchanged since last update
- Continuing to inject sea water in all three units
- Lost secondary containment on all three units
- Primary containment believed to be intact for all three units
- 6 mRem/hr at site boundary

Fukushima Daiichi Unit 4

- Fire in spent fuel pool building yesterday from lube oil was extinguished
- Another fire in spent fuel building possible from hydrogen is burning. The fire may have been burning for four hours. Do not plan to extinguish the fire because of high dose rate in building.
- Water level in spent fuel pool is low
- 30 Rem/hr in spent fuel building

Fukushima Daiichi Units 5, and 6

- Spent fuel pool in both units warming up

Assistance to Japan

- Additional members of NRC team arriving between 10 pm and 12 am EDT. Last member to arrive 3 am EDT.
- Establishing contact with additional NRC team members will be high priority
- US is providing the following types of assistance:
 - Equipment
 - Monitoring from land and air
 - KI
- NRC will have access to US data gathered from monitoring activities

Actions for US Nuclear Plants

- INPO issued request to all sites that identifies 4 actions, with due dates, and requires a written response. In general, the actions include walkdowns and verifications of aspects of facility capabilities to address B.5.b equipment and procedures, Severe Accident Management Guidelines (SAMGs), mitigation of station blackout (SBO) conditions, mitigation of internal and external flooding, and fire and flooding events that could be impacted by a concurrent seismic event.
- NRC is not considering requesting or directing any prompt actions from reactor licensees. NRC is considering a generic communication

Actions for US Citizens in Japan

- (b)(5)

MISC and Noteworthy

- (b)(5)
- Possibly 5 people on site received lethal dose of radiation

From: Jaczko, Gregory
Sent: Wednesday, March 16, 2011 6:46 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: 0630 EDT (March 16, 2011) USNRC Earthquake/Tsunami SitRep
Attachments: NRC Status Update 3-16.11--0630am.pdf

From: LIA07 Hoc
Sent: Wednesday, March 16, 2011 6:45:36 AM
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; Giltter, 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; 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; Zorn, Jason
Subject: 0630 EDT (March 16, 2011) USNRC Earthquake/Tsunami SitRep
Auto forwarded by a Rule

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

From: Jaczko, Gregory
Sent: Wednesday, March 16, 2011 2:17 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
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 2:16:34 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; Gitter, 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; Tiff, 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
Auto forwarded by a Rule

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
LIA07.HOC@nrc.gov (Operations Center)

From: Jaczko, Gregory
Sent: Thursday, March 17, 2011 7:02 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: 0600 EDT (March 17, 2011) USNRC Earthquake/Tsunami SitRep

Importance: High

From: Batkin, Joshua
Sent: Thursday, March 17, 2011 7:02:10 AM
To: Weber, Michael; Virgilio, Martin; HOO Hoc
Cc: Jaczko, Gregory; (b)(6)
Subject: Fw: 0600 EDT (March 17, 2011) USNRC Earthquake/Tsunami SitRep
Importance: High
Auto forwarded by a Rule

NRC. Executive team - Change it and resend consistent with Dr. Holdren's message please. Thanks Josh

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Sent: Thu Mar 17 06:55:42 2011
Subject: FW: 0600 EDT (March 17, 2011) USNRC Earthquake/Tsunami SitRep

From: Holdren, John P.[SMTP: (b)(6)]
Sent: Thursday, March 17, 2011 6:55:35 AM
To: LIA07 Hoc; Anderson, James
Cc: Jaczko, Gregory; Reed, Richard A.; Avery, Heidi E.;
Shapiro, Nicholas S.; Steinberg, James B; Hammer, Michael A;
Pfeiffer, Dan
Subject: RE: 0600 EDT (March 17, 2011) USNRC Earthquake/Tsunami SitRep
Importance: High
Auto forwarded by a Rule

Colleagues –

(b)(5)

(b)(5)

Best,
John

JOHN P. HOLDREN

Assistant to the President for Science and Technology
and Director, Office of Science and Technology Policy
Executive Office of the President of the United States

email (b)(6)

direct phone (b)(6)

assistant Karrie Pitzer (b)(6)

From: LIA07 Hoc [mailto:LIA07.Hoc@nrc.gov]

Sent: Thursday, March 17, 2011 6:42 AM

Cc: LIA07 Hoc

Subject: 0600 EDT (March 17, 2011) USNRC Earthquake/Tsunami SitRep

Attached, please find a 0600 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 includes information related to the status of the Fukushima Daiichi Facility.

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)

From: Jaczko, Gregory
Sent: Thursday, March 17, 2011 7:21 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: 0700 Update to "Go Books"
Attachments: NRC Status Update 3-17.11--07.00am.pdf

From: LIA07 Hoc
Sent: Thursday, March 17, 2011 7:20:30 AM
To: Borchardt, Bill; Virgilio, Martin; Weber, Michael; Jaczko, Gregory; Pace, Patti; Speiser, Herald; Gibbs, Catina; Leeds, Eric; Haney, Catherine; Sheron, Brian; Johnson, Michael; Walker, Dwight; Flory, Shirley
Subject: 0700 Update to "Go Books"
Auto forwarded by a Rule

Please find attached a 0700 NRC Status Update. This update corrects a statement in the 0600 update regarding the US State Department's actions for its employees in Japan.

Please let me know if you have any questions or concerns.

Thank you,

-Jim

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

From: Bradford, Anna
Sent: Thursday, March 17, 2011 7:40 AM
To: Speiser, Herald
Subject: FW: Updates for the "Go Books", 2030 EDT, March 16 2011

See below.

Anna Bradford
Policy Advisor for Nuclear Materials
Office of Chairman Jaczko
U.S. Nuclear Regulatory Commission
301-415-1827

From: Batkin, Joshua
Sent: Thursday, March 17, 2011 7:40 AM
To: Bradford, Anna
Subject: Re: Updates for the "Go Books", 2030 EDT, March 16 2011

Probably but stand by

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Bradford, Anna
To: Pace, Patti; Batkin, Joshua; Coggins, Angela
Cc: Speiser, Herald
Sent: Thu Mar 17 07:34:53 2011
Subject: RE: Updates for the "Go Books", 2030 EDT, March 16 2011

Staff is asking about the 8:00. Do we need someone here at the agency on the 8:00 videoconference, or no?

Anna Bradford
Policy Advisor for Nuclear Materials
Office of Chairman Jaczko
U.S. Nuclear Regulatory Commission
301-415-1827

From: Pace, Patti
Sent: Wednesday, March 16, 2011 10:39 PM
To: Batkin, Joshua; Bradford, Anna; Coggins, Angela
Subject: Fw: Updates for the "Go Books", 2030 EDT, March 16 2011

FYI - Josh let us know if you think we need to try and get hard copies of this info down to you at the White House in the morning.

Also, I am going to shoot the HOO and Bern Stapleton an email to let them know the Chairman will be at the White House. Will you expect anyone from NRC to still participate by SVTC?

Thanks
Patti Pace

U.S. Nuclear Regulatory Commission
(301) 415-1820

From: LIA07 Hoc

To: Borchardt, Bill; Virgilio, Martin; Weber, Michael; Pace, Patti; Speiser, Herald; Gibbs, Catina; Leeds, Eric; Haney, Catherine; Walker, Dwight; Sheron, Brian; Johnson, Michael

Sent: Wed Mar 16 20:39:46 2011

Subject: Updates for the "Go Books", 2030 EDT, March 16 2011

Please find attached updated information for the "Go Books" provided earlier today.

The updates include:

- The 1900, 3/16/11 Status Update
- The 19400, 3/16/11 Talking Points Two-Pager
- The latest ET Chronology
- The latest NRC Press Release (11-050)
- The latest NRC OPA Talking Points
- The latest TEPCO Press Releases
- Statement from US Embassy Tokyo re: protective actions for American citizens in Japan

We are working on pulling together a few other items that were requested, including the Chairman's prepared statement for today's hearing and a set of briefing slides. We will send those out once we have them.

Please let me know if you have any questions or concerns.

-Sara

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

OFFICIAL USE ONLY

Department of Homeland Security Incident Management DHS Initial Situation Report	
From:	US Nuclear Regulatory Commission
To:	DHS National Operations Center Watch Officer
SITREP No:	3
Date/Time (ET):	03/12/2011, 1330EST
1. Incident Type	Earthquake and Tsunami
2. Location of Incident	Japan
3. Date/Time of Incident (ET)	Press reports date 3/11/11 0146 (EST) loss of power at Fukushima Daiichi Unit 1, 2, and 3 emergency. Unit 4, 5, and 6 shutdown. Unit 1, 2, and 3 emergency diesel generators (EDG) failed after tsunami, resulting in complete loss of Alternating Current for all three units. On 3/12/11, 0340 (EST), explosion on site is confirmed. On 3/12/11, 0620 (EST) Fukushima Daiichi Unit 1 started injection of sea water, followed by boric acid.
4. Incident Site Weather Conditions	Wind direction from 233 degree speed less than 3.9 m/sec stability class E, no precipitation.
5. Threat/Causal Factors	Earthquakes and tsunami leading to possible loss of emergency cooling.
6. Initial On-Scene Status/Capabilities Assessment	
A.	Casualties (e.g., dead, hospitalized) None available.
B.	Property Damage - Nuclear reactor. Loss of emergency power/loss of emergency cooling. Apparent core damage based on reported radiation levels. Media reports of explosion may indicate possible loss of secondary containment, outer building breached (unverified).
C.	Infrastructure Affected - Emergency diesel fuel tanks and piping.
D.	Terrorism Nexus - None.
E.	General Population Status - Evacuated <10km, no power, at Fukushima Daiichi. Evacuation <20km at Fukushima Daiichi. Japanese government issuing KI.
F.	Weather Effects - Wind direction is out to sea.
G.	Extent of Contamination - Release in progress. Magnitude and extent unknown.
H.	On-Scene/En Route Capabilities - 2 NRC representatives enroute with USAID team.
I.	Requests for Additional Support - None known.
J.	Possible Cascading Effects - Release of radiation. Population evacuation at Fukushima Daiichi within 20km radius. Population evacuation at Fukushima Daiichi within 10km radius. If containment failure, impacts on other unit recovery personnel.
K.	WMD Effects - none.
L.	Indications of Follow-on Incidents - Earthquakes near Niigata Prefect.
6. Initial Response (e.g., on-scene assets, EOCs activated, local/regional response, etc.)	
A.	Local - Japan issued state of emergency.
B.	State - None.
C.	Federal - NRC Headquarters EOCs activated.
7. Federal/State/Local/International/Private Sector Notifications	DHS, IAEA, DOE, FEMA, DOD (NAVSEA08, CNIC HQ, DTRA).
8. COOP/COG Actions Anticipated	None.
9. National Capitol Region Impact	None.
10. International Impact	Japan.
11. DHS Initial Actions/Intentions	Press releases, White House notifications.
12. Additional Remarks	None.
13. Prepared By:	Sara Mroz
Contact Information:	LIA07.Hoc@nrc.gov; 301-816-5186
14. Approved By:	Executive Team

From: Hipschman, Thomas
Sent: Thursday, March 17, 2011 8:02 AM
To: Batkin, Joshua; Coggins, Angela; Loyd, Susan; Pace, Patti; Marshall, Michael; Bradford, Anna
Subject: March 17 0730 Update

Beannachtaí na Féile Pádraig oraibh!

Fukushima Daiichi units overall conditions remain relatively unchanged
Priority is the spent fuel pools (SFP) for units 3 and 4, with unit 3 being the highest priority, which appears to be having a zirconium - water reaction. Japan Self Defense Force (JSDF) made several passes to drop water

(b)(5)

SW injection continues units 1 and 3 – estimating water level is about halfway up the fuel assemblies
Status of Units 2 and 3 primary containments is uncertain
U3 JSDF canon water spraying has began at approximately 0645 EDT
TEPCO is focused on bringing in a new line and restoring power to units 2, 5, 6 today, and units 1,3, 4 tomorrow.

(b)(5)

Phone call between President Obama to Japanese PM last night.

Casto went to meeting with minister of JSDF. They are becoming ever more engaged. We are embedded in with JSDF.

About 9 hours ago, pumps provided by the US were delivered.

(b)(5)

(b)(5)

NARAC flight landed about 2400 - in process of analyzing overflight data to determine source term.

Request to develop projections for dosed in California. In process Engaging with RES and Sandia to make modifications to MACCS code

(b)(5)

Dose at main gate have increased to 1R.hour at site boundary
At 300 feet above Unit 3, dose is 375/hr
40R between units 3 and 4

Questions

(b)(5)

I saw information from NISA that units 5 and 6 SFPs temperatures have decreased from 86C to approximately 62C – a good sign. Emergency diesel is supplying power for pumps to both units.

From: Jaczko, Gregory
Sent: Thursday, March 17, 2011 5:58 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: eWASH WH0131
Attachments: 4411001710a.pdf

Importance: High

From: Vietti-Cook, Annette
Sent: Thursday, March 17, 2011 5:57:27 PM
To: Pace, Patti; Jaczko, Gregory; Batkin, Joshua; Coggins, Angela
Subject: FW: eWASH WH0131
Importance: High
Auto forwarded by a Rule

Deputies Committee Meeting Agenda for tomorrow Friday, March 18, 7:30 – 8:30 am White House Situation Room.

From: Parsons, Darryl
Sent: Thursday, March 17, 2011 5:34 PM
To: Vietti-Cook, Annette
Cc: Wright, Darlene; Lewis, Antoinette; McKelvin, Sheila; Mike, Linda; Champ, Billie; NRCHQ
Subject: FW: eWASH WH0131
Importance: High

Annette,

This has just been received.

Best –
Darryl Parsons

From: NRCHQ [mailto:NRCHQ.Resource@nrc.gov]
Sent: Thursday, March 17, 2011 5:30 PM
To: Dodmead, James; Mangefrida, Michael; Giles, Vanessa; Parsons, Darryl
Subject: FW: eWASH WH0131
Importance: High

From: eWash-WHSR[SMTP: (b)(6)]
Sent: Thursday, March 17, 2011 5:29:31 PM
To: eWash-USAID (AID.EStaskerMailLISTUSAID@usaid.gov); ewash@state.gov;
ExecSecCom@do.treas.gov; (b)(6); JCC@usdoj.gov;
DOI_Watch_office@ios.doi.gov; Fay_Iudicello@ios.doi.gov;
opscenter@usda.gov; ewash@doc.gov;
Ekaterini_Malliou (HHS Executive Secretariat); HHSComSec@hhs.gov;
HHSExecSec@hhs.gov ; CMC-01@dot.gov; CMC-02@dot.gov; S60.policy@dot.gov;

DOE.Commcenter@in.doe.gov; vacoc@va.gov; CommCenterStaff@hq.dhs.gov;
 martin.john@epa.gov; (b)(6) NRCHQ
Cc: eWash-WHSR
Subject: eWASH WH0131
Importance: High
Auto forwarded by a Rule

CLASSIFICATION: UNCLASSIFIED

FROM:	NSS	PH:	(b)(6)	ROOM:	302A
SUBJECT: Agenda for the March 18 DC Meeting on the Japanese Earthquake					
PAGES: 4					

PLEASE DELIVER TO:

<u>LOCATION</u>	<u>DELIVER TO</u>	<u>ROOM</u>	<u>PHONE</u>
STATE	EXECUTIVE SECRETARY		
TREASURY	EXECUTIVE SECRETARY		
DEFENSE	EXECUTIVE SECRETARY		
JUSTICE	ASSOCIATE DEPUTY ATTORNEY GENERAL		
INTERIOR	DIRECTOR, EXECUTIVE SECRETARIAT		
AGRICULTURE	CHIEF OF STAFF		
COMMERCE	DIRECTOR, EXECUTIVE SECRETARIAT		
HHS	EXECUTIVE SECRETARY		
TRANSPORTATION	DIRECTOR, EXECUTIVE SECRETARIAT		
ENERGY	DIRECTOR, EXECUTIVE SECRETARIAT		

VETERANS AFFAIRS	EXECUTIVE SECRETARY		
DHS	EXECUTIVE SECRETARY		
EPA	CHIEF OF STAFF		
USUN	SPECIAL ASSISTANT TO THE REPRESENTATIVE OF THE U.S.		
USAID	ACTING EXECUTIVE SECRETARY		
JCS	SPECIAL ASSISTANT FOR INTERAGENCY AFFAIRS (J-5)		
NRC	SECRETARY OF THE COMMISSION		

SPECIAL DELIVERY INSTRUCTIONS/REMARKS:

URGENT - Please pass the attached to Deputies (to include plus one, if applicable)

001710

NATIONAL SECURITY STAFF
WASHINGTON, D.C. 20504

March 17, 2011

MEMORANDUM FOR

(b)(5),(b)(6)

(b)(5),(b)(6)

Attachment
Tab A Agenda

TAB A

(b)(5)

From: Pace, Patti
Sent: Thursday, March 17, 2011 10:19 PM
To: Batkin, Joshua
Subject: Fw: Meeting Request: Lt. Gov. of NY

Josh,

We received the NY Lt Gov request earlier today. Not sure how to handle it. I think it might be optimistic to think the Chairman would be able to focus on something other than Japan on Tuesday.

Thanks
Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: Pace, Patti
To: Batkin, Joshua; Coggins, Angela
Cc: Bradford, Anna
Sent: Thu Mar 17 16:03:34 2011
Subject: Meeting Request: Lt. Gov. of NY

Dear Josh and Angela,

Please see request below for a meeting on Tuesday with the Lt. Gov. of New York State. I used to work with Hilary in Senator Carper's office and when we spoke today I tried my best to lower her expectations that the Chairman would be available on Tuesday due to his role in our ongoing emergency response.

Would you recommend that I pass this along to OCA to see if they can arrange for someone at NRC to meet with the Lt. Governor on Tuesday?

Thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Hilary Jochmans [mailto:Hilary.Jochmans@exec.ny.gov]
Sent: Thursday, March 17, 2011 3:22 PM
To: Pace, Patti
Cc: Thomas Congdon
Subject: Follow up to Conversation

Hi Patti – It was great to chat with you. Glad to hear you are doing well. Thanks so much for your offer to help with this meeting request.

On Tuesday, the NYS Lt. Governor, Robert Duffy, NYS Director of Operations, Howard Glaser and NYS Deputy Secretary for Energy, Tom Congdon, would like to come to Washington to meet with the Chairman. Specifically, they would like to

be briefed on the September 2010 NRC report including the status of the follow up review. If the Chairman is not available, they would like to meet with an appropriate Commissioner or senior staffer.

I greatly appreciate your assistance with this request. Please let me know if you need any additional information.

Thanks,
Hilary

Hilary F. Joehmans, Director
New York State Washington Office of the Governor
202-434-7100

From: Pace, Patti
Sent: Friday, March 18, 2011 8:48 AM
To: Parsons, Darryl
Subject: FW: 11:15AM Secure Phone Call, 3/18

Importance: High

Dear Darryl,

Please give me a call when you have a second. I have what should hopefully be a quick question for you.

Thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Mangefrida, Michael
Sent: Friday, March 18, 2011 2:10 AM
To: Pace, Patti
Cc: Batkin, Joshua; Warren, Roberta; Bradford, Anna; Parsons, Darryl; Stapleton, Bernard
Subject: RE: 11:15AM Secure Phone Call, 3/18
Importance: High

Patti,

We have a couple of numbers for you

(b)(5)

(b)(5)

If the call is to be a secure video teleconference, the call facilitator may contact us by calling CMS 534-2781.

If the call is to be by a secure STE phone, the number will be (301) – 415-0150.

Our facilitator for this call will be Darryl Parsons (301) 415-7751.

If you have any questions, please feel free to contact Mr. Parsons.

Thank you.

Michael Mangefrida
IT Specialist (INFOSEC)
United States Nuclear Regulatory Commission
Office of Nuclear Security and Incident Response
Information Security Branch
(STE) 301-415-2264
Michael.Mangefrida@nrc.sgov.gov
Michael.Mangefrida@nrc.gov

From: Stapleton, Bernard
Sent: Thursday, March 17, 2011 10:39 PM
To: Pace, Patti; Mangefrida, Michael; Parsons, Darryl
Cc: Batkin, Joshua; Warren, Roberta; Bradford, Anna
Subject: RE: 11:15AM Secure Phone Call, 3/18
Importance: High

Patti,

Information Security Branch will provide you with appropriate numbers for the State Department call in the morning when you get in. We'll provide numbers for a STE call (no video) and for secure video depending on how State wants to initiate the call.

Bernard (Bern) Stapleton
Chief, Information Security Branch
U.S. Nuclear Regulatory Commission
(301) 415-2214 O
(301) 415-2190 F

From: Pace, Patti
Sent: Thursday, March 17, 2011 7:39 PM
To: Stapleton, Bernard
Cc: Batkin, Joshua; Warren, Roberta; Bradford, Anna
Subject: 11:15AM Secure Phone Call, 3/18

Mr. Stapleton,

Chairman Jaczko is scheduled to have a phone call with DepSec Steinberg, Department of State, on Friday March 18th at 11:15AM. DepSec Steinberg has requested to utilize a secure line for the call. Not knowing the expected classification level of the conversation, the Chairman would prefer to conduct this call in the SCIF.

Could you and your team please arrange for the Chairman to conduct a call at 11:15AM tomorrow in the OWFN SCIF? Also, what phone number can I provide to the State Department to dial in to, as they would like to initiate the call?

A response first thing tomorrow morning would be fine.

Thanks!

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Speiser, Herald
Sent: Friday, March 18, 2011 9:46 AM
To: LIA07 Hoc
Cc: Bradford, Anna
Subject: RE: Update for Go Books - 0600 EDT, March 18, 2011

Please add Anna Bradford of the Chairman's office to the go book update emails.

Thank you.

Herald M. Speiser - (301) 415-1830
Administrative Assistant
Office of the Chairman
Nuclear Regulatory Commission
11555 Rockville Pike
Mailstop: O-16G4
Rockville, MD 20852

From: LIA07 Hoc
Sent: Friday, March 18, 2011 6:21 AM
To: Borchardt, Bill; Cohen, Shari; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Virgilio, Martin; Walls, Lorena; Weber, Michael
Subject: Update for Go Books - 0600 EDT, March 18, 2011

Please find attached updated information for the "Go Books".

The updates include:

- The 0600, 3/18/11 Status Update
- The latest ET Chronology
- The latest TEPCO Press Releases
- Remarks by President Obama on the Japan situation

Please let me know if you have any questions or concerns.

Thank you,

Rebecca Clinton
EBT Coordinator

From: Parsons, Darryl
Sent: Friday, March 18, 2011 10:32 AM
To: Pace, Patti; Mangefrida, Michael
Cc: Batkin, Joshua; Warren, Roberta; Bradford, Anna; Stapleton, Bernard
Subject: RE: Updated: Call with DepSec Steinberg moved to 12:30PM

12:30 is fine with us. We will be ready.

Best –
Darryl Parsons

From: Pace, Patti
Sent: Friday, March 18, 2011 10:30 AM
To: Mangefrida, Michael; Parsons, Darryl
Cc: Batkin, Joshua; Warren, Roberta; Bradford, Anna
Subject: Updated: Call with DepSec Steinberg moved to 12:30PM

Good Morning,

Just heard from DepSec Steinberg's office. He has a conflict with 11:15AM and has asked to reschedule for 12:30PM today. Please confirm availability to support this time change.

Many thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Mangefrida, Michael
Sent: Friday, March 18, 2011 2:10 AM
To: Pace, Patti
Cc: Batkin, Joshua; Warren, Roberta; Bradford, Anna; Parsons, Darryl; Stapleton, Bernard
Subject: RE: 11:15AM Secure Phone Call, 3/18
Importance: High

Patti,

We have a couple of numbers for you

(b)(5)

(b)(5)

If the call is to be a secure video teleconference, the call facilitator may contact us by calling CMS 534-2781.

If the call is to be by a secure STE phone, the number will be (301) – 415-0150.

Our facilitator for this call will be Darryl Parsons (301) 415-7751.

If you have any questions, please feel free to contact Mr. Parsons.

Thank you.

Michael Mangefrida
IT Specialist (INFOSEC)
United States Nuclear Regulatory Commission
Office of Nuclear Security and Incident Response
Information Security Branch
(STE) 301-415-2264
Michael.Mangefrida@nrc.sgov.gov
Michael.Mangefrida@nrc.gov

From: Stapleton, Bernard
Sent: Thursday, March 17, 2011 10:39 PM
To: Pace, Patti; Mangefrida, Michael; Parsons, Darryl
Cc: Batkin, Joshua; Warren, Roberta; Bradford, Anna
Subject: RE: 11:15AM Secure Phone Call, 3/18
Importance: High

Patti,

Information Security Branch will provide you with appropriate numbers for the State Department call in the morning when you get in. We'll provide numbers for a STE call (no video) and for secure video depending on how State wants to initiate the call.

Bernard (Bern) Stapleton
Chief, Information Security Branch
U.S. Nuclear Regulatory Commission
(301) 415-2214 O
(301) 415-2190 F

From: Pace, Patti
Sent: Thursday, March 17, 2011 7:39 PM
To: Stapleton, Bernard
Cc: Batkin, Joshua; Warren, Roberta; Bradford, Anna
Subject: 11:15AM Secure Phone Call, 3/18

Mr. Stapleton,

Chairman Jaczko is scheduled to have a phone call with DepSec Steinberg, Department of State, on Friday March 18th at 11:15AM. DepSec Steinberg has requested to utilize a secure line for the call. Not knowing the expected classification level of the conversation, the Chairman would prefer to conduct this call in the SCIF.

Could you and your team please arrange for the Chairman to conduct a call at 11:15AM tomorrow in the OWFN SCIF? Also, what phone number can I provide to the State Department to dial in to, as they would like to initiate the call?

A response first thing tomorrow morning would be fine.

Thanks!

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Bradford, Anna
Sent: Friday, March 18, 2011 1:33 PM
To: Pace, Patti
Subject: RE: DRAFT REPLY: Meeting Request

I have no idea. (b)(5)
(b)(5) Something like that.

Anna Bradford
Policy Advisor for Nuclear Materials
Office of Chairman Jaczko
U.S. Nuclear Regulatory Commission
301-415-1827

From: Pace, Patti
Sent: Friday, March 18, 2011 1:32 PM
To: Bradford, Anna
Subject: RE: DRAFT REPLY: Meeting Request

Is a senior staff available to meet with them?

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Bradford, Anna
Sent: Friday, March 18, 2011 1:31 PM
To: Pace, Patti
Subject: RE: DRAFT REPLY: Meeting Request

(b)(5)

(b)(5)

(b)(5)

Anna Bradford
Policy Advisor for Nuclear Materials
Office of Chairman Jaczko
U.S. Nuclear Regulatory Commission
301-415-1827

From: Pace, Patti
Sent: Friday, March 18, 2011 1:25 PM
To: Bradford, Anna
Subject: DRAFT REPLY: Meeting Request

(b)(5)

Dear Hilary,

(b)(5)

Please let me know if your Lt. Governor would like to move forward with a phone call next week.

Many thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Hilary Jochmans [mailto:Hilary.Jochmans@exec.ny.gov]
Sent: Thursday, March 17, 2011 3:22 PM
To: Pace, Patti
Cc: Thomas Congdon
Subject: Follow up to Conversation

Hi Patti – It was great to chat with you. Glad to hear you are doing well. Thanks so much for your offer to help with this meeting request.

On Tuesday, the NYS Lt. Governor, Robert Duffy, NYS Director of Operations, Howard Glaser and NYS Deputy Secretary for Energy, Tom Congdon, would like to come to Washington to meet with the Chairman. Specifically, they would like to be briefed on the September 2010 NRC report including the status of the follow up review. If the Chairman is not available, they would like to meet with an appropriate Commissioner or senior staffer.

I greatly appreciate your assistance with this request. Please let me know if you need any additional information.

Thanks,
Hilary

Hilary F. Jochmans, Director
New York State Washington Office of the Governor
202-434-7100

From: Pace, Patti
Sent: Friday, March 18, 2011 1:48 PM
To: Hipschman, Thomas
Cc: Bradford, Anna; Batkin, Joshua; Coggins, Angela
Subject: FW: Meeting Request Follow Up

Hi Tom,

Anna asked me to forward this to you. Can you please work with NRR to make this happen? The folks from NY are eager to confirm something ASAP..

Thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Hilary Jochmans [mailto:Hilary.Jochmans@exec.ny.gov]
Sent: Friday, March 18, 2011 1:42 PM
To: Pace, Patti
Cc: Thomas Congdon; Bradford, Anna; Warren, Roberta
Subject: RE: Meeting Request Follow Up

Thank you, Patti. I greatly appreciate your assistance. I certainly understand the constraints on the Chairman's time. We would appreciate a meeting with the Senior Staff you suggest on Tuesday in person. Please let me know what other information you need from me, and then who the staffer will be and when where.

Thanks again,
Hilary

From: Pace, Patti [mailto:Patti.Pace@nrc.gov]
Sent: Friday, March 18, 2011 1:37 PM
To: Hilary Jochmans
Cc: Thomas Congdon; Bradford, Anna; Warren, Roberta
Subject: Meeting Request Follow Up

Dear Hilary,

Chairman Jaczko will not be available for a face to face meeting next week due to his role in the ongoing NRC response to the situation in Japan. He values the very good relationship between the NRC and State of New York. He has offered to make himself available for a phone call next week if that would be acceptable to Lt. Governor Duffy. If the Lt. Governor would prefer to meet with a senior NRC staff person we could work on that as an alternative.

Please let me know how you would like to proceed.

Many thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Hilary Jochmans [mailto:Hilary.Jochmans@exec.ny.gov]
Sent: Thursday, March 17, 2011 3:22 PM
To: Pace, Patti
Cc: Thomas Congdon
Subject: Follow up to Conversation

Hi Patti – It was great to chat with you. Glad to hear you are doing well. Thanks so much for your offer to help with this meeting request.

On Tuesday, the NYS Lt. Governor, Robert Duffy, NYS Director of Operations, Howard Glaser and NYS Deputy Secretary for Energy, Tom Congdon, would like to come to Washington to meet with the Chairman. Specifically, they would like to be briefed on the September 2010 NRC report including the status of the follow up review. If the Chairman is not available, they would like to meet with an appropriate Commissioner or senior staffer.

I greatly appreciate your assistance with this request. Please let me know if you need any additional information.

Thanks,
Hilary

Hilary L. Jochmans, Director
New York State Washington Office of the Governor
202-434-7100

From: Pace, Patti
Sent: Friday, March 18, 2011 4:54 PM
To: Hipschman, Thomas
Subject: RE: Meeting Request Follow Up

What contact information should I share for Brian? Just his email address?

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Bradford, Anna
Sent: Friday, March 18, 2011 4:52 PM
To: Pace, Patti; Hipschman, Thomas
Cc: Coggins, Angela; Batkin, Joshua
Subject: RE: Meeting Request Follow Up

Tom already passed it to OEDO. Patti, you can respond and tell her she can contact Brian Wittick in OEDO.

Anna Bradford
Policy Advisor for Nuclear Materials
Office of Chairman Jaczko
U.S. Nuclear Regulatory Commission
301-415-1827

From: Pace, Patti
Sent: Friday, March 18, 2011 4:49 PM
To: Bradford, Anna; Hipschman, Thomas
Cc: Coggins, Angela; Batkin, Joshua
Subject: FW: Meeting Request Follow Up

Hi -

What is status of this? Can we delegate this request to another to another office that will handle this appropriately and get us out of the middle?? OCA? EDO??

Thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Hilary Jochmans [mailto:Hilary.Jochmans@exec.ny.gov]
Sent: Friday, March 18, 2011 4:41 PM
To: Pace, Patti

Cc: Thomas Congdon; Bradford, Anna; Warren, Roberta
Subject: RE: Meeting Request Follow Up

I just wanted to check in and see when we might find out who the Lt. Governor will be meeting with and at what time? Thanks again for all your help.
Hilary

From: Pace, Patti [mailto:Patti.Pace@nrc.gov]
Sent: Friday, March 18, 2011 1:37 PM
To: Hilary Jochmans
Cc: Thomas Congdon; Bradford, Anna; Warren, Roberta
Subject: Meeting Request Follow Up

Dear Hilary,

Chairman Jaczko will not be available for a face to face meeting next week due to his role in the ongoing NRC response to the situation in Japan. He values the very good relationship between the NRC and State of New York. He has offered to make himself available for a phone call next week if that would be acceptable to Lt. Governor Duffy. If the Lt. Governor would prefer to meet with a senior NRC staff person we could work on that as an alternative.

Please let me know how you would like to proceed.

Many thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Hilary Jochmans [mailto:Hilary.Jochmans@exec.ny.gov]
Sent: Thursday, March 17, 2011 3:22 PM
To: Pace, Patti
Cc: Thomas Congdon
Subject: Follow up to Conversation

Hi Patti – It was great to chat with you. Glad to hear you are doing well. Thanks so much for your offer to help with this meeting request.

On Tuesday, the NYS Lt. Governor, Robert Duffy, NYS Director of Operations, Howard Glaser and NYS Deputy Secretary for Energy, Tom Congdon, would like to come to Washington to meet with the Chairman. Specifically, they would like to be briefed on the September 2010 NRC report including the status of the follow up review. If the Chairman is not available, they would like to meet with an appropriate Commissioner or senior staffer.

I greatly appreciate your assistance with this request. Please let me know if you need any additional information.

Thanks,
Hilary

Hilary F. Jochmans, Director

New York State Washington Office of the Governor
202-434-7100

From: Hipschman, Thomas
Sent: Friday, March 18, 2011 6:47 PM
To: Pace, Patti; Bradford, Anna
Subject: FW: Meeting Request Follow Up

fyi

Thomas Hipschman
Policy Advisor for Reactors
Office of Chairman Gregory B. Jaczko
301-415-1832

From: Wittick, Brian
Sent: Friday, March 18, 2011 6:44 PM
To: Hilary.Jochmans@exec.ny.gov
Cc: Hipschman, Thomas; Andersen, James; Leeds, Eric
Subject: FW: Meeting Request Follow Up

Dear Hilary,

Thank you for contacting the NRC to arrange a meeting to discuss the September 2010 report. I called to discuss arrangements for a meeting next week but was unable to get through on the phone number listed below.

As I understand from my discussion with our Chairman's office your primary interest for discussion is the content and basis of NRC Information Notice 2010-18: Generic Issue 199, "Implications of Updated Probabilistic Seismic Hazard Estimates in Central and Eastern U.S. on Existing Plants." Please let me know if there are other topics of interest.

Please contact me at your earliest convenience to make meeting arrangement. I can be reached any time at the cell number listed below.

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

From: Hilary Jochmans [mailto:Hilary.Jochmans@exec.ny.gov]
Sent: Friday, March 18, 2011 1:42 PM
To: Pace, Patti
Cc: Thomas Congdon; Bradford, Anna; Warren, Roberta
Subject: RE: Meeting Request Follow Up

Thank you, Patti. I greatly appreciate your assistance. I certainly understand the constraints on the Chairman's time. We would appreciate a meeting with the Senior Staff you suggest on Tuesday in person. Please let me know what other information you need from me, and then who the staffer will be and when where.

Thanks again,
Hilary

From: Pace, Patti [mailto:Patti.Pace@nrc.gov]
Sent: Friday, March 18, 2011 1:37 PM
To: Hilary Jochmans
Cc: Thomas Congdon; Bradford, Anna; Warren, Roberta
Subject: Meeting Request Follow Up

Dear Hilary,

Chairman Jaczko will not be available for a face to face meeting next week due to his role in the ongoing NRC response to the situation in Japan. He values the very good relationship between the NRC and State of New York. He has offered to make himself available for a phone call next week if that would be acceptable to Lt. Governor Duffy. If the Lt. Governor would prefer to meet with a senior NRC staff person we could work on that as an alternative.

Please let me know how you would like to proceed.

Many thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Hilary Jochmans [mailto:Hilary.Jochmans@exec.ny.gov]
Sent: Thursday, March 17, 2011 3:22 PM
To: Pace, Patti
Cc: Thomas Congdon
Subject: Follow up to Conversation

Hi Patti – It was great to chat with you. Glad to hear you are doing well. Thanks so much for your offer to help with this meeting request.

On Tuesday, the NYS Lt. Governor, Robert Duffy, NYS Director of Operations, Howard Glaser and NYS Deputy Secretary for Energy, Tom Congdon, would like to come to Washington to meet with the Chairman. Specifically, they would like to be briefed on the September 2010 NRC report including the status of the follow up review. If the Chairman is not available, they would like to meet with an appropriate Commissioner or senior staffer.

I greatly appreciate your assistance with this request. Please let me know if you need any additional information.

Thanks,
Hilary

Hilary F. Jochmans, Director
New York State Washington Office of the Governor
202-434-7100

From: LIA07 Hoc
Sent: Saturday, March 19, 2011 5:23 PM
To: Speiser, Herald
Subject: RE: Report on Meeting between Chairman Jaczko and Japanese Ambassador to the U.S. Ichiro Fujisaki

They are ready now! Amy Salus has them. She is going to call you.

From: Speiser, Herald
Sent: Saturday, March 19, 2011 5:02 PM
To: LIA07 Hoc
Subject: RE: Report on Meeting between Chairman Jaczko and Japanese Ambassador to the U.S. Ichiro Fujisaki

Great, thanks. When should I come over?

Herald M. Speiser - (301) 415-1830
Administrative Assistant
Office of the Chairman
Nuclear Regulatory Commission
11555 Rockville Pike
Mailstop: O-16G4
Rockville, MD 20852

From: LIA07 Hoc
Sent: Saturday, March 19, 2011 5:01 PM
To: Speiser, Herald
Subject: RE: Report on Meeting between Chairman Jaczko and Japanese Ambassador to the U.S. Ichiro Fujisaki

Yes. We will print the Excel table for you.
-Sara

From: Speiser, Herald
Sent: Saturday, March 19, 2011 4:57 PM
To: LIA07 Hoc
Subject: FW: Report on Meeting between Chairman Jaczko and Japanese Ambassador to the U.S. Ichiro Fujisaki

I am not able to print the excel document on Japan aid. Do you have that ability there, and could I please have 4 copies if so? I can come pick them up. I need them for a package I'm putting together for the Chairman.

Please let me know as soon as you can.

Thanks.

Herald

Herald M. Speiser - (301) 415-1830
Administrative Assistant
Office of the Chairman
Nuclear Regulatory Commission
11555 Rockville Pike
Mailstop: O-16G4
Rockville, MD 20852

From: LIA07 Hoc
Sent: Saturday, March 19, 2011 6:25 AM
Subject: Report on Meeting between Chairman Jaczko and Japanese Ambassador to the U.S. Ichiro Fujisaki

Dear Colleagues,

Attached is the report summarizing Chairman Jaczko's meeting with Japanese Ambassador to the U.S. Ichiro Fujisaki, held on March 18, 2011, at 1600 hours EST. We have also included other key documents which provide additional information pertinent to the recent events. Please note this information is "~~official use only~~" and is only being shared within the federal family. Please call the Headquarters Operations Office at 301-816-5100 with questions.

International Liaison Team
U.S. Nuclear Regulatory Commission

From: LIA07 Hoc
Sent: Saturday, March 19, 2011 5:48 PM
To: Borchardt, Bill; Bradford, Anna; Cohen, Shari; Cooper, LaToya; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Virgilio, Martin; Walls, Lorena; Weber, Michael
Subject: Update for Go Books - 1800 EDT, March 19, 2011
Attachments: Talking Points 10.pdf; ET Chronology 3-19-11 530pm.pdf; Press Release 10.pdf; TEPCO Press Release 69.pdf; USNRC Earthquake-Tsunami Update.031911.1800EDT.pdf

Please find attached updated information for the "Go Books".

The updates include:

- The 1800, 03/19/11 Status Update
- The latest ET Chronology
- The latest OPA Talking Points
- The latest NRC Press Release
- The latest TEPCO Press Release

Please let me know if you have any questions or concerns.

-Sara

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

From: Speiser, Herald
Sent: Saturday, March 19, 2011 7:46 PM
To: OST02 HOC
Cc: Salus, Amy; Jones, Jonathan; Batkin, Joshua
Subject: Delivery of update to Chairman's Go-Book

Hello,

We would like to proceed with having the 3/20/11 - 0600 EDT Go Book update sent to the Chairman. As discussed, he will only need the Status Update and the Chronology. Please have each copy 3-hole punched. The 3/19/11 - 1800 EDT update has already been provided to the Chairman.

Mack will pick the materials up at the OPS center at approximately 6:30 am. He needs to get them to the Chairman by 7:45.

This is a one-time request, due to a meeting the Chairman has in the morning.

Thank you very much for your help.

Herald

Herald M. Speiser - (301) 415-1830
Administrative Assistant
Office of the Chairman
Nuclear Regulatory Commission
11555 Rockville Pike
Mailstop: O-16G4
Rockville, MD 20852

From: Jaczko, Gregory
Sent: Sunday, March 20, 2011 6:20 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: USNRC Earthquake-Tsunami Update 03-20.11--0600 EDT
Attachments: NRC Status Update 3-20.11--0600.pdf

From: LIA07 Hoc
Sent: Sunday, March 20, 2011 6:20:01 AM
Cc: LIA07 Hoc
Subject: USNRC Earthquake-Tsunami Update 03-20.11--0600 EDT
Auto forwarded by a Rule

Attached, please find the 0600 EDT March 20, 2011 status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

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)

From: Hipschman, Thomas
Sent: Sunday, March 20, 2011 7:55 AM
To: Batkin, Joshua; Coggins, Angela; Loyd, Susan; Montes, David; Warren, Roberta; Pearson, Laura; Pace, Patti; Monninger, John; Gibbs, Catina; Bradford, Anna; Marshall, Michael; Dhir, Neha; Clark, Lisa; Fopma, Melody; Speiser, Herald
Subject: March 20 0730 Update

Wiggins led the brief

Nothing negative happened overnight. Conditions seem fairly stable for units 1-3
Still trying to add water to Units 3-4 spent fuel pools using water cannons. (b)(5)
Expect to see JSDF begin to add more water this morning
Bechtel pumping system remains in Perth. Bechtel expects plane to leave within next 12 hours at Yakota AFB, then it will need to be transported, erected, and JSDF Forces trained. 2 Bechtel techs will accompany the equipment. Discussion about setting conditions in the plants and other logistic were brought up by TEPCO

Power was restored to U5, and an RHR pump was restarted
Still working on power to other units. Units 3-4 effectiveness questionable due to damage. Maybe instrumentation will become available

NEI reports dose rates are trending down. Info obtained thru industry connection. We have constructed a source term, and NARAC is doing some runs.
We have provided info for a "worst case" run (b)(5) DOE/NARAC currently doing the analysis.

Team is keeping an eye on the weather for a wind shift to the south.

Principle discussion with team have been on Bechtel pumping system and logistic

TEPCO looking into enlarging hole into Unit 2 with creating sparks. Possibly using a water jet.

Mentioned industry consortium, but not really anything new about developments.

Questions

(b)(5)

From: Holdren, John P. <(b)(6)>
Sent: Monday, March 21, 2011 8:15 AM
To: Alhassani, Mehdi K.; Brennan, John O.; Chang, Cindy; 'Helton-FloydKL@state.gov'; Toiv, Nora F; 'Updegrove, Laura L'; 'SchroederAT@state.gov'; 'Sobel, Catherine L CTR OSD POLICY'; (b)(6); 'Dalton, Melissa G CIV OSD POLICY'; Turner, Mary E CIV JCS SJS OVCJCS; 'Bolson, Richard W CIV JCS J5'; 'Denham, Molly J MSgt JCS DOM VCJCS SJS'; Larson, Phillip P.; Batkin, Joshua; Pace, Patti; 'Nicole Lurie (Nicole.Lurie@hhs.gov)'; 'Tom Frieden (txf2@cdc.gov)'; Russel, Daniel R.; Bader, Jeffrey A.; Reed, Richard A.; 'Deidre.Wilkinson@hq.doe.gov'; 'paige.fitzgerald@hq.doe.gov'
Cc: Landau, Zachary L.; Johnson, Daniel H.; Canegallo, Kristie A.; Zimmerman, Thomas; DL-NSS-WHSR-COMMS
Subject: RE: Small Group On Japan TODAY 0930

I'll be there.

JOHN P. HOLDREN

Assistant to the President for Science and Technology
and Director, Office of Science and Technology Policy
Executive Office of the President of the United States

email (b)(6)

direct phone (b)(6)

assistant Karrie Pitzer (b)(6)

From: Alhassani, Mehdi K.

Sent: Monday, March 21, 2011 8:08 AM

To: Brennan, John O.; Chang, Cindy; 'Helton-FloydKL@state.gov'; Toiv, Nora F; 'Updegrove, Laura L'; 'SchroederAT@state.gov'; 'Sobel, Catherine L CTR OSD POLICY'; (b)(6); 'Dalton, Melissa G CIV OSD POLICY'; Turner, Mary E CIV JCS SJS OVCJCS; 'Bolson, Richard W CIV JCS J5'; 'Denham, Molly J MSgt JCS DOM VCJCS SJS'; Larson, Phillip P.; Holdren, John P.; 'Joshua.Batkin@nrc.gov'; 'Patti.Pace@nrc.gov'; 'Nicole Lurie (Nicole.Lurie@hhs.gov)'; 'Tom Frieden (txf2@cdc.gov)'; Russel, Daniel R.; Bader, Jeffrey A.; Reed, Richard A.; 'Deidre.Wilkinson@hq.doe.gov'; 'paige.fitzgerald@hq.doe.gov'

Cc: Landau, Zachary L.; Johnson, Daniel H.; Canegallo, Kristie A.; Zimmerman, Thomas; DL-NSS-WHSR-COMMS

Subject: Small Group On Japan TODAY 0930

Hello,

Denis McDonough would like to host a small group meeting TODAY 9:30 AM to discuss Japan as a follow up on the inter-agency consultations over night. Participants are encouraged to participate via SVTC but can come in person if they need to. No paper will be distributed for this meeting. The list of invited participants is below. Please confirm your attendance and let me know if you have any questions. Thanks much – Mehdi

Invited Participants

Kennedy

Mills

Steinberg

Emb. Tokyo

Flournoy

Cartwright

PACOM

Holdren
Lurie
Corr
Frieden
Jaczko
Poneman
Lyons
Bader
Russel
Reed

Mehdi K. Alhassani
National Security Council

(b)(6)

From: Alhassani, Mehdi K. (b)(6)
Sent: Monday, March 21, 2011 7:42 AM
To: Pace, Patti; Joshi, M. Kay
Cc: Batkin, Joshua
Subject: Re: 0800 DC SVTC Today?

No but I am about to launch a small group for 930 am. Stand by for email.

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

From: Pace, Patti <Patti.Pace@nrc.gov>
To: Joshi, M. Kay; Alhassani, Mehdi K.
Cc: Batkin, Joshua <Joshua.Batkin@nrc.gov>
Sent: Mon Mar 21 07:40:45 2011
Subject: 0800 DC SVTC Today?

Good Morning,

Is there an 0800 Deputies SVTC today?

Thanks,

Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: Pace, Patti
Sent: Monday, March 21, 2011 7:45 AM
To: Batkin, Joshua
Subject: Re: 0800 DC SVTC Today?

Just spoke to him. Want me to also email the HOO?
Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

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

From: Batkin, Joshua
To: Pace, Patti
Sent: Mon Mar 21 07:42:36 2011
Subject: Fw: 0800 DC SVTC Today?

Call him

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

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

From: Joshi, M. Kay <(b)(6)>
To: Pace, Patti; Alhassani, Mehdi K. <(b)(6)>
Cc: Batkin, Joshua
Sent: Mon Mar 21 07:41:10 2011
Subject: RE: 0800 DC SVTC Today?

There is not a DC today.

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

From: Pace, Patti [mailto:Patti.Pace@nrc.gov]
Sent: Monday, March 21, 2011 7:41 AM
To: Joshi, M. Kay; Alhassani, Mehdi K.
Cc: Batkin, Joshua
Subject: 0800 DC SVTC Today?

Good Morning,

Is there an 0800 Deputies SVTC today?

Thanks,

Patti Pace
U.S. Nuclear Regulatory Commission

(301) 415-1820

From: Pace, Patti
Sent: Monday, March 21, 2011 8:54 AM
To: Batkin, Joshua; Coggins, Angela
Subject: Fw: Small Group On Japan TODAY 0930

Would the Chairman like the ET director to cover this meeting? Thx
Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: Alhassani, Mehdi K. <(b)(6)>
To: (b)(6)

(b)(6)

Cc: (b)(6);
(b)(6)

Sent: Mon Mar 21 08:07:34 2011
Subject: Small Group On Japan TODAY 0930

Hello,

Denis McDonough would like to host a small group meeting TODAY 9:30 AM to discuss Japan as a follow up on the inter-agency consultations over night. Participants are encouraged to participate via SVTC but can come in person if they need to. No paper will be distributed for this meeting. The list of invited participants is below. Please confirm your attendance and let me know if you have any questions. Thanks much – Mehdi

Invited Participants

Kennedy
Mills
Steinberg
Emb. Tokyo
Flurnoy
Cartwright
PACOM
Holdren
Lurie
Corr
Frieden
Jacsko
Poneman

Lyons
Bader
Russel
Reed

Mehdi K. Alhassani
National Security Council

(b)(6)

From: Batkin, Joshua
Sent: Monday, March 21, 2011 8:56 AM
To: Weber, Michael
Cc: Pace, Patti
Subject: FW: Small Group On Japan TODAY 0930

From: Holdren, John P. [mailto:(b)(6)]
Sent: Monday, March 21, 2011 8:15 AM
To: Alhassani, Mehdi K.; Brennan, John O.; Chang, Cindy; 'Helton-FloydKL@state.gov'; Toiv, Nora F; 'Updegrove, Laura L'; 'SchroederAT@state.gov'; 'Sobel, Catherine L CTR OSD POLICY'; (b)(6); 'Dalton, Melissa G CIV OSD POLICY'; Turner, Mary E CIV JCS SJS OVCJCS; 'Bolson, Richard W CIV JCS J5'; 'Denham, Molly J MSgt JCS DOM VCJCS SJS'; Larson, Phillip P.; Batkin, Joshua; Pace, Patti; 'Nicole Lurie (Nicole.Lurie@hhs.gov)'; 'Tom Frieden (txf2@cdc.gov)'; Russel, Daniel R.; Bader, Jeffrey A.; Reed, Richard A.; 'Deidre.Wilkinson@hq.doe.gov'; 'paige.fitzgerald@hq.doe.gov'
Cc: Landau, Zachary L.; Johnson, Daniel H.; Canegallo, Kristie A.; Zimmerman, Thomas; DL-NSS-WHSR-COMMS
Subject: RE: Small Group On Japan TODAY 0930

I'll be there.

JOHN P. HOLDREN

Assistant to the President for Science and Technology
and Director, Office of Science and Technology Policy
Executive Office of the President of the United States

email (b)(6)

direct phone (b)(6)

assistant Karrie Pitzer (b)(6)

From: Alhassani, Mehdi K.
Sent: Monday, March 21, 2011 8:08 AM
To: Brennan, John O.; Chang, Cindy; 'Helton-FloydKL@state.gov'; Toiv, Nora F; 'Updegrove, Laura L'; 'SchroederAT@state.gov'; 'Sobel, Catherine L CTR OSD POLICY'; (b)(6); 'Dalton, Melissa G CIV OSD POLICY'; Turner, Mary E CIV JCS SJS OVCJCS; 'Bolson, Richard W CIV JCS J5'; 'Denham, Molly J MSgt JCS DOM VCJCS SJS'; Larson, Phillip P.; Holdren, John P.; 'Joshua.Batkin@nrc.gov'; 'Patti.Pace@nrc.gov'; 'Nicole Lurie (Nicole.Lurie@hhs.gov)'; 'Tom Frieden (txf2@cdc.gov)'; Russel, Daniel R.; Bader, Jeffrey A.; Reed, Richard A.; 'Deidre.Wilkinson@hq.doe.gov'; 'paige.fitzgerald@hq.doe.gov'
Cc: Landau, Zachary L.; Johnson, Daniel H.; Canegallo, Kristie A.; Zimmerman, Thomas; DL-NSS-WHSR-COMMS
Subject: Small Group On Japan TODAY 0930

Hello,

Denis McDonough would like to host a small group meeting TODAY 9:30 AM to discuss Japan as a follow up on the inter-agency consultations over night. Participants are encouraged to participate via SVTC but can come in person if they need to. No paper will be distributed for this meeting. The list of invited participants is below. Please confirm your attendance and let me know if you have any questions. Thanks much – Mehdi

Invited Participants

Kennedy

Mills

Steinberg
Emb. Tokyo
Flournoy
Cartwright
PACOM
Holdren
Lurie
Corr
Frieden
Jaczko
Poneman
Lyons
Bader
Russel
Reed

Mehdi K. Alhassani
National Security Council

(b)(6)

From: Marshall, Michael
Sent: Monday, March 21, 2011 8:44 PM
To: Coggins, Angela; Batkin, Joshua; Loyd, Susan; Pace, Patti; Warren, Roberta; Pearson, Laura; Dhir, Neha; Clark, Lisa; Speiser, Herald; Montes, David; Bradford, Anna; Fopma, Melody
Cc: Hipschman, Thomas
Subject: Highlights of 03/21/11 8:00pm Commission Assistant Brief

No significant change in status of reactors. No significant change in radiological conditions.

A unit by unit update was not provided, therefore this highlight contain less detail than earlier highlights.

Fukushima Daiichi Unit 1

- Continuing to inject sea water
- Power connected, but not available

Fukushima Daiichi Units 2

- Continuing to inject sea water
- Grey smoke or steam
- Power connected, but not available

Fukushima Daiichi Units 3

- Continuing to inject sea water
- Grey smoke or steam

Other Information

- One of the pumping system trains has been delivered to Japan. Japanese need to take it, set it up, train on it, then decide to use it
- Two people representing the US industry are on their way to Japan. The industry would like to have a US government point of contact. (b)(5)

- (b)(5)
- (b)(5)

From: Hipschman, Thomas
Sent: Tuesday, March 22, 2011 7:49 AM
To: Batkin, Joshua; Coggins, Angela; Loyd, Susan; Montes, David; Warren, Roberta; Pearson, Laura; Pace, Patti; Monninger, John; Bradford, Anna; Gibbs, Catina; Speiser, Herald; Dhir, Neha; Clark, Lisa; Fopma, Melody
Subject: March 22 0730 Status Call

Weber led the brief Dayshift ET

U1-3 static condition

U1 core temperature according to WANO source is 750F --

(b)(5)

(b)(5)

U3 smoke cause still unknown

U2 reports of smoke or steam. Team is still following up

Progress continues on AC power restoration. Power restoration still under evaluation due to electrical infrastructure damage

Offsite power to U5 RHR, EDG supplying U6 RHR

Dose rates essentially unchanged. 15R highest reading onsite, 60mr at gate

AMS flights still grounded due to weather

(b)(5)

(b)(5)

2nd shipment of pumping system is believed to arrived in Yokota

From: Pace, Patti
Sent: Tuesday, March 22, 2011 9:41 AM
To: Batkin, Joshua
Subject: Re: eWash Message

Yes, when we receive them. I don't think we have gotten an agenda for each call.

Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: Batkin, Joshua
To: Pace, Patti
Sent: Tue Mar 22 09:26:28 2011
Subject: FW: eWash Message

Have you been getting these in his book?

From: Vietti-Cook, Annette
Sent: Tuesday, March 22, 2011 9:22 AM
To: Svinicki, Kristine; Apostolakis, George; Magwood, William; Ostendorff, William
Cc: Sharkey, Jeffry; Sosa, Belkys; Bubar, Patrice; Nieh, Ho; Pace, Patti; Batkin, Joshua; Coggins, Angela; Borchardt, Bill; Virgilio, Martin; Weber, Michael; Burns, Stephen
Subject: FW: eWash Message

Agenda on Deputies Committee Meeting tomorrow 3/23 Japan Earthquake. Chairman to participate.

From: NRCHQ
Sent: Monday, March 21, 2011 11:45 PM
To: Vietti-Cook, Annette; Wright, Darlene; Lewis, Antoinette; McKelvin, Sheila; Mike, Linda; Champ, Billie
Cc: NRCHQ
Subject: eWash Message

Annette,

Attached is an eWash message pertaining to the 0800 SVTC call on 23 March.

Michael Mangefrida
IT Specialist (INFOSEC)
United States Nuclear Regulatory Commission
Office of Nuclear Security and Incident Response
Information Security Branch
(STE) 301-415-2264
Michael.Mangefrida@nrc.sgov.gov
Michael.Mangefrida@nrc.gov

From: Pace, Patti
Sent: Tuesday, March 22, 2011 1:32 PM
To: Speiser, Herald
Subject: Fw: eWash Message
Attachments: eWASH WH0141

Agenda for 8a meeting tomorrow. Thx
Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: Batkin, Joshua
To: Pace, Patti
Sent: Tue Mar 22 09:26:28 2011
Subject: FW: eWash Message

Have you been getting these in his book?

From: Vietti-Cook, Annette
Sent: Tuesday, March 22, 2011 9:22 AM
To: Svinicki, Kristine; Apostolakis, George; Magwood, William; Ostendorff, William
Cc: Sharkey, Jeffry; Sosa, Belkys; Bubar, Patrice; Nieh, Ho; Pace, Patti; Batkin, Joshua; Coggins, Angela; Borchardt, Bill; Virgilio, Martin; Weber, Michael; Burns, Stephen
Subject: FW: eWash Message

Agenda on Deputies Committee Meeting tomorrow 3/23 Japan Earthquake. Chairman to participate.

From: NRCHQ
Sent: Monday, March 21, 2011 11:45 PM
To: Vietti-Cook, Annette; Wright, Darlene; Lewis, Antoinette; McKelvin, Sheila; Mike, Linda; Champ, Billie
Cc: NRCHQ
Subject: eWash Message

Annette,

Attached is an eWash message pertaining to the 0800 SVTC call on 23 March.

Michael Mangefrida
IT Specialist (INFOSEC)
United States Nuclear Regulatory Commission
Office of Nuclear Security and Incident Response
Information Security Branch
(STE) 301-415-2264
Michael.Mangefrida@nrc.sgov.gov
Michael.Mangefrida@nrc.gov

From: Jaczko, Gregory
Sent: Tuesday, March 22, 2011 6:12 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: 1800 EDT (March 22, 2011) USNRC Earthquake/Tsunami Status Update
Attachments: USNRC Earthquake-Tsunami Update.032211.1800EDT.pdf

From: LIA07 Hoc
Sent: Tuesday, March 22, 2011 6:12:07 PM
Subject: 1800 EDT (March 22, 2011) USNRC Earthquake/Tsunami Status Update
Auto forwarded by a Rule

Attached, please find an 1800 EDT (March 22, 2011) status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

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: Marshall, Michael
Sent: Tuesday, March 22, 2011 9:24 PM
To: Coggins, Angela; Batkin, Joshua; Loyd, Susan; Pace, Patti; Warren, Roberta; Pearson, Laura; Dhir, Neha; Clark, Lisa; Speiser, Herald; Montes, David; Bradford, Anna; Fopma, Melody
Cc: Hipschman, Thomas
Subject: Highlights of 03/22/11 8:00pm Commission Assistant Brief

No significant change in status of reactors. No significant change in radiological conditions.

A unit by unit update was not provided, therefore this highlight contain less detail than earlier highlights.

- Units 1,2, 3, 5, and 6 have power restored. Unit 4 has power connected to load center. Unit 6 diesel generator is still running.
- NRC, DOE, and DOD looking at dose projection. (b)(5)
(b)(5).
- Concern with continued use of sea water for cooling because of accumulation and caking out of salt in bottom of vessel. Fresh water would be preferable, but sea water will do. (b)(5)
(b)(5)
- Two pumping systems built by Bechtel have been delivered to Japan, but additional flight is needed to deliver an additional component for the system to work.
- (b)(5)
- Unit 4 spent fuel pool may have been refilled via a pumper turck.

From: Jaczko, Gregory
Sent: Wednesday, March 23, 2011 6:17 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: 0600 EDT (March 23, 2011) USNRC Earthquake/Tsunami Status Update
Attachments: NRC Status Update 3.23.11--0600 EDT.pdf

From: LIA07 Hoc
Sent: Wednesday, March 23, 2011 6:16:47 AM
Subject: 0600 EDT (March 23, 2011) USNRC Earthquake/Tsunami Status Update
Auto forwarded by a Rule

Please find attached a 0600 EDT (March 23, 2011) status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

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)

From: LIA07 Hoc
Sent: Wednesday, March 23, 2011 6:23 AM
To: LIA07 Hoc; Borchardt, Bill; Bradford, Anna; Cohen, Shari; Cooper, LaToya; Dyer, Jim; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Taylor, Renee; Virgilio, Martin; Walls, Lorena; Weber, Michael
Subject: RE: Update for "Go Books," 0600 3/23/11
Attachments: March 23 0600EDT one pager (2).docx

As an additional update to the "Go Books," please find attached the 0600 3/23/11 one-page briefing sheet.

Thank you,

-Jim

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

From: LIA07 Hoc
Sent: Wednesday, March 23, 2011 6:16 AM
To: Borchardt, Bill; Bradford, Anna; Cohen, Shari; Cooper, LaToya; Dyer, Jim; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Taylor, Renee; Virgilio, Martin; Walls, Lorena; Weber, Michael
Subject: Update for "Go Books," 0600 3/23/11

Please find attached updated information for the "Go Books".

The updates include:

- The 0600 EDT, 03/23/11 Status Update
- The latest ET Chronology
- The latest TEPCO Press Release (Numbers 117-125)

Please let me know if you have any questions or concerns.

-Jim

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

From: Jaczko, Gregory
Sent: Thursday, March 24, 2011 6:24 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: 0600 EDT (March 24, 2011) USNRC Earthquake/Tsunami Status Update
Attachments: NRC Status Update 3.24.11--0600 EDT.pdf

From: LIA07 Hoc
Sent: Thursday, March 24, 2011 6:23:40 AM
Subject: 0600 EDT (March 24, 2011) USNRC Earthquake/Tsunami Status Update
Auto forwarded by a Rule

Please find attached a 0600 EDT (March 24, 2011) status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

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)

From: Jaczko, Gregory
Sent: Thursday, March 24, 2011 6:25 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Update for "Go Books," 0600 3/24/11
Attachments: TEPCO Press Release 132.pdf; March 24 0600EDT one pager.pdf; ET Chronology 3-24-11 0600.pdf; NRC Status Update 3.24.11--0600 EDT.pdf

From: LIA07 Hoc
Sent: Thursday, March 24, 2011 6:23:53 AM
To: Borchardt, Bill; Bradford, Anna; Cohen, Shari; Cooper, LaToya; Dyer, Jim; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Taylor, Renee; Virgilio, Martin; Walls, Lorena; Weber, Michael
Cc: LIA07 Hoc
Subject: Update for "Go Books," 0600 3/24/11
Auto forwarded by a Rule

Please find attached updated information for the "Go Books".

The updates include:

- The 0600 EDT, 03/24/11 Status Update
- The 0600 EDT, 03/24/11 One Page Briefing Sheet
- The latest ET Chronology
- The latest TEPCO Press Release (Number 132)

Please let me know if you have any questions or concerns.

-Jim

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

From: Jaczko, Gregory
Sent: Thursday, March 24, 2011 6:40 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Corrected 0600 EDT (March 24, 2011) USNRC Earthquake/Tsunami Status Update
Attachments: NRC Status Update 3.24.11--0600 EDT.pdf

From: LIA07 Hoc
Sent: Thursday, March 24, 2011 6:40:09 AM
Cc: LIA07 Hoc
Subject: Corrected 0600 EDT (March 24, 2011) USNRC Earthquake/Tsunami Status Update
Auto forwarded by a Rule

Please find attached a 0600 EDT (March 24, 2011) status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami. **This corrects the previous version that was incorrectly marked draft.**

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)

From: Jaczko, Gregory
Sent: Thursday, March 24, 2011 6:42 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Correction to Update for "Go Books," 0600 3/24/11
Attachments: NRC Status Update 3.24.11--0600 EDT.pdf

From: LIA07 Hoc
Sent: Thursday, March 24, 2011 6:42:12 AM
To: LIA07 Hoc; Borchardt, Bill; Bradford, Anna; Cohen, Shari; Cooper, LaToya; Dyer, Jim; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Taylor, Renee; Virgilio, Martin; Walls, Lorena; Weber, Michael
Subject: Correction to Update for "Go Books," 0600 3/24/11
Auto forwarded by a Rule

Please find attached a corrected 032411 0600 EDT Status Update. The previous version was incorrectly labeled as a "Draft."

Thank you,

-Jim

Jim Anderson
Office of Nuclear Security and Incident Response
US Nuclear Regulatory Commission
LIA07.HOC@nrc.gov
James.anderson@nrc.gov

From: Hipschman, Thomas
Sent: Friday, March 25, 2011 7:58 AM
To: Batkin, Joshua; Coggins, Angela; Loyd, Susan; Montes, David; Warren, Roberta; Pearson, Laura; Pace, Patti; Monninger, John; Bradford, Anna; Dhir, Neha; Clark, Lisa; Fopma, Melody; Speiser, Herald; Gibbs, Catina
Subject: March 25 0730 Briefing

Led by Dyer Dayshift ET

No significant changes in Unit conditions

Units 1-3 are still on seawater – contrary to status report

Plan for Bechtel equipment is to train Japanese at Yokota AFB, and then transport to site

The team was invited to TEPCO's EOF for a briefing. No news yet

FW barges status is still uncertain.

(b)(5)

(b)(5)

PMT still working on second NARAC review.

(b)(5)

(b)(5)

Chairman will be meeting with Japanese Ambassador today at 11am

From: Marshall, Michael
Sent: Friday, March 25, 2011 9:29 PM
To: Coggins, Angela; Batkin, Joshua; Loyd, Susan; Pace, Patti; Warren, Roberta; Dhir, Neha; Clark, Lisa; Speiser, Herald; Montes, David; Bradford, Anna; Fopma, Melody
Cc: Hipschman, Thomas
Subject: Highlights of 03/24/11 8:00pm Commission Assistant Brief

- Fukushima Daiichi Units 1 and 3 have fresh water injection to their cores from tanks onsite.
- Fukushima Daiichi Unit 3 turbine building is flooded with contaminated water. This flooding would indicate that fuel damage occurred and the containment is likely breached.
- Electrical power has been restored to all six units, but power is not available to all portions of the plants.
- Japanese Defense Force has trained one day with the pumping system built by Becthel, and will train on the system one additional day.
- US Navy is moving a large fresh water barge to the site via tug. It should be at the site tomorrow. A second barge is being moved to the site.
- | |
|--------|
| (b)(5) |
|--------|

From: Jaczko, Gregory
Sent: Saturday, March 26, 2011 6:22 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Update for Go Books - 0600 EDT, March 26, 2011
Attachments: NRC Status Update 3.26.11--0430.pdf; TEPCO Press Release 163.pdf; TEPCO Press Release 164.pdf; ET Chronology 3-26-11 0600.pdf; March 26 0600 EDT one pager.pdf

From: LIA07 Hoc
Sent: Saturday, March 26, 2011 6:21:45 AM
To: Borchardt, Bill; Bradford, Anna; Cohen, Shari; Cooper, LaToya; Dyer, Jim; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprongeris, Patricia; Taylor, Renee; Virgilio, Martin; Walls, Lorena; Weber, Michael
Subject: Update for Go Books - 0600 EDT, March 26, 2011
Auto forwarded by a Rule

Please find attached updated information for the "Go Books".

The updates include:

- The 0430 EDT, 03/26/11 Status Update
- The latest ET Chronology
- The latest TEPCO Press Releases (Numbers 163 and 164)
- "One Pager" (0600 EDT, 03/26/11)

Please let me know if you have any questions or concerns.

-Jim

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

From: Jaczko, Gregory
Sent: Saturday, March 26, 2011 7:35 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Update for Go Books - 0700 EDT, March 26, 2011
Attachments: March 26 0700 EDT one pager _3_.pdf

From: LIA07 Hoc
Sent: Saturday, March 26, 2011 7:34:58 AM
To: Borchardt, Bill; Bradford, Anna; Cohen, Shari; Cooper, LaToya;
Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine;
Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric;
Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald;
Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Wallis, Lorena;
Weber, Michael
Subject: Update for Go Books - 0700 EDT, March 26, 2011
Auto forwarded by a Rule

Please find attached updated/corrected information for the "Go Books".

The update include:

- "One Pager" (0700 EDT, 03/26/11) – **Corrected that RST provided recommendations to the NRC Site Team.**

Please let me know if you have any questions or concerns.

Yen

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

From: Pace, Patti
Sent: Saturday, March 26, 2011 6:13 PM
To: Williams, Kevin
Subject: RE: Proof of Security Clearance Form

Thanks, got it.

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Williams, Kevin
Sent: Saturday, March 26, 2011 6:10 PM
To: Pace, Patti
Subject: Fw: Proof of Security Clearance Form

Just in case you did not want to open the other e-mail.

Kevin

Sent from an NRC BlackBerry
Kevin Williams

(b)(6)

From: RMTPACTSU_ELNRC <RMTPACTSU_ELNRC@ofda.gov>
To: Pace, Patti
Cc: Williams, Kevin
Sent: Sat Mar 26 18:07:21 2011
Subject: FW: Proof of Security Clearance Form

This is form I was talking about.

Kevin

From: RMTPACTSU_AC
Sent: Saturday, March 26, 2011 6:04 PM
To: RMTPACTSU_ELNRC
Subject: Proof of Security Clearance Form

Here is the form (attached). It is used to complete the E-Country Clearance (ECC).

UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT

PARTICIPATING AGENCY CERTIFICATION OF CANDIDATE'S
SECURITY CLEARANCE AND DURATION OF ASSIGNMENT**Section I - To be completed by participating agency**

Name of Participating Agency or Department

NAME OF CANDIDATE (LAST, FIRST, MIDDLE INITIAL)		DOB (DD/MM/YYYY)	Citizenship
		Social Security Number	
Position Title		Grade	Location of Assignment (USAID HQ or Country)
RSSA <input type="checkbox"/>	PASA <input type="checkbox"/>	Contractor <input type="checkbox"/>	Direct Hire <input type="checkbox"/>
		Duration of Assignment From (MM/YY) To (MM/YY)	

After appointment, PASA/RSSA personnel are subject to the same security requirements as USAID Direct Hire employees. The participating agency must ensure that the individuals investigation and security clearance remain current.

Please Note: For USAID/Washington Positions a minimum of a Secret clearance is required.
For overseas positions a Top Secret clearance is required.

Clearance Level	Type & Date of Investigation	Conducted By	Granted By & Date
This is to certify that the above security clearance information is valid and up-to-date:			
Typed Name of Security Officer		Title/Agency	Phone Number
Signature			Date

Section II - To be completed by USAID Sponsor

The above named individual is a RSSA/PASA to work with USAID.
The sponsoring bureau must ensure that the participating agency completes an investigation for all PASA/RSSA employees at the required level prior to appointment.

USAID POC & Bureau	Title	Phone Number
Signature		Date

Section III - To be completed by USAID Office of Security

USAID Security Office Approval: _____

Remarks:

From: LIA07 Hoc
Sent: Saturday, March 26, 2011 6:22 AM
To: Borchardt, Bill; Bradford, Anna; Cohen, Shari; Cooper, LaToya; Dyer, Jim; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walls, Lorena; Weber, Michael
Subject: Update for Go Books - 0600 EDT, March 26, 2011
Attachments: NRC Status Update 3.26.11--0430.pdf; TEPCO Press Release 163.pdf; TEPCO Press Release 164.pdf; ET Chronology 3-26-11 0600.pdf; March 26 0600 EDT one pager.pdf

Please find attached updated information for the "Go Books".

The updates include:

- The 0430 EDT, 03/26/11 Status Update
- The latest ET Chronology
- The latest TEPCO Press Releases (Numbers 163 and 164)
- "One Pager" (0600 EDT, 03/26/11)

Please let me know if you have any questions or concerns.

-Jim

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

Q Search

Press Releases

Press Release (Mar 26, 2011)
Status of TEPCO's Facilities and its services after Tohoku-Taiheiyu-Oki Earthquake

Due to the Tohoku-Taiheiyu-Oki Earthquake which occurred on March 11th 2011, TEPCO's facilities including our nuclear power stations have been severely damaged. We deeply apologize for the anxiety and inconvenience caused.

Below is the status of TEPCO's major facilities.

*new items are underlined

[Nuclear Power Station]

Fukushima Daiichi Nuclear Power Station:

Units 1 to 3: shutdown due to earthquake

(Units 4 to 6: outage due to regular inspection)

* The national government has instructed to evacuate for those local residents within 20km radius of the site periphery and to remain indoors for those local residents between 20km and 30km radius of the site periphery.

* Off-site power was connected to Unit 1 to 6.

* Unit 1

The explosive sound and white smoke was confirmed near Unit 1 when the big quake occurred at 3:36pm, March 12th.

We have started injection of sea water at 8:20 pm, March 12th, and then boric acid which absorbs neutron into the reactor afterwards.

At approximately 2:30 am, March 23rd, we have started the injection of sea water into the reactor from feed water system. After that, the injection of freshwater was started from 3:37 PM on March 25th (switched from the seawater injection).

At approximately 10:50 on March 24th, white smoke was confirmed arising from the top of the reactor building.

At approximately 11:30 am, March 24th, lights in the main control room were restored.

* Unit 2

At 1:25 pm, March 14th, since the Reactor Core Isolation Cooling System has failed, it was determined that a specific incident stipulated in Clause 1, Article 15 of Act on Special Measures Concerning Nuclear Emergency Preparedness occurred (failure of reactor cooling function).

At 5:17 pm, March 14th, while the water level in the reactor reached the top of the fuel rod, we have restarted the water injection with the valve operation.

At approximately 6:14 am, March 15th, the abnormal sound was confirmed near the suppression chamber and the pressure inside the chamber decreased afterwards. It was determined that there is a possibility that something happened in the suppression chamber. While sea water injection to the reactor continued, TEPCO employees and workers from other companies not in charge of injection work started tentative evacuation to a safe location. Sea water injection to the reactor continued.

On March 18th, power was delivered up to substation for backup power through offsite transmission line. We completed laying cable further to unit receiving facility in the building, and at 3:46 pm, March 20th the load-side power panel of the receiving facility started to be energized.

From 3:05 pm to 5:20 pm on March 20th, 40 tons of seawater was injected into Unit 2 by TEPCO employees.

At 6:20 on March 21st, white smoke was confirmed arising from the top of the reactor building. As of 7:11 am on March 22nd, smoke decreased to the level where we can hardly confirm.

From around 4 pm to 5 pm on March 22nd, approximately 18 tons of sea water was injected into the spent fuel pool by TEPCO employees.

From 10:30 am on March 25th, sea water injection through Fuel Pool Cooling and Filtering System was initiated. The work finished at 0:19 pm on March 25th.

* Unit 3

At 6:50 am, March 14th, while water injection to the reactor was under operation, the pressure in the reactor containment vessel increased to 530

kPa. As a result, at 7:44 am, it was determined that a specific incident stipulated in article 15, clause 1 occurred (abnormal increase of the pressure of reactor containment vessel). Afterwards, the pressure has gradually decreased (as of 9:05 am, 490 kPa).

At approximately 11:01 am, March 14th, an explosion followed by white smoke occurred near Unit 3. 4 TEPCO employees and 3 workers from other companies (all of them are conscious) have sustained injuries and they were already taken to the hospital by ambulances. As the temperature of water in the spent fuel pool rose, spraying water by helicopters with the support of the Self Defense Force was considered, however the operation on March 16th was cancelled.

At 6:15 am, March 17th, the pressure of the Suppression Chamber temporarily increased, but currently it is stable in a certain range. On March 20th, we were preparing to implement a measurement to reduce the pressure of the reactor containment vessel (partial discharge of air containing radioactive material to outside) in order to fully secure safety. However, at present, it is not a situation to take a measure immediately to discharge air containing radioactive material to outside. We will continue to monitor the status of the pressure of the reactor containment vessel. Monitoring will be continued.

In order to cool spent fuel pool, water was sprayed by helicopters on March 17th with the cooperation of Self-Defense Forces.

At approximately past 7:00 pm, March 17th, Self-Defense Forces and the police had started spraying water by water cannon trucks upon our request for the cooperation. At 8:09 pm, March 17th, they had finished the operation.

At 2:00 pm, March 18th, spraying water by fire engines was started with the cooperation of Self-Defense Forces and the United States Armed Forces. At 2:45 pm, March 18th, they had finished the operation.

At approximately 0:30 am, March 19th, spraying water was started with the cooperation of Fire Rescue Task Forces of Tokyo Fire Department started spraying water. At approximately 1:10 am, March 19th, they finished the operation. They resumed spraying water at 2:10 pm. At approximately 3:40 am, March 20th, they finished the operation.

At approximately 9:30 pm, March 20th, spraying water was started with the cooperation of Fire Rescue Task Forces of Tokyo Fire Department. At approximately 3:58 am, March 21th, they finished the operation.

At approximately 3:55 pm, March 21st, light gray smoke was confirmed arising from the southeast side of the 5th floor roof of the Unit 3 building, and the situation was reported to the fire department at approximately 4:21 pm. The parameters of reactor pressure vessel, reactor containment vessel, and monitored environmental data remained at the same level. However, employees working around Unit 3 evacuated to a safe location. It is observed the smoke has been decreasing. On March 22nd, the color of smoke changed to somewhat white and it is slowly dissipating.

At approximately 3:10 pm on March 22nd, water discharge into Unit 3 by Tokyo Fire Department's Hyper Rescue and Osaka City Fire Department was conducted and completed at approximately 4:00 PM on the same day.

At approximately 10:45 pm on March 22nd, lights in the main operation room were restored.

At 11:00 am on March 23rd, the injection of sea water to spent fuel pool was conducted, and finished approximately at 1:20 pm on the same day.

At 4:20 pm on March 23rd, light gray smoke was observed belching from Unit 3 building. The situation was reported to the fire department at 4:25 pm on March 23rd. The parameters of the reactor, the reactor containment vessel of Unit 3, and monitored figures around the site's immediate surroundings remained stable without significant change. To be safe, workers in the main control room of Unit 3 and around Unit 3 evacuated to a safe location.

At approximately 11:30 pm on March 23rd and 4:50 am on March 24th, TEPCO employees confirmed the smoke has disappeared. Accordingly, workers evacuation was lifted.

From approximately 5:35 am on March 24th, sea water injection through Fuel Pool Cooling and Filtering System was initiated and finished at approximately 4:05 pm on the same day.

From 1:28 pm on March 25th, Hyper Rescue team started water spray. The work finished at 4:00 pm on March 25th.

From 6:02 pm on March 25th, the injection of freshwater to the reactor was started (switched from the seawater injection).

* Unit 4

At approximately 6:00 am, March 15th, an explosive sound was heard and the damage in the 5th floor roof of Unit 4 reactor building was confirmed. At 9:38 am, the fire near the north-west part of 4th floor of Unit 4 reactor building was confirmed. At approximately 11:00 am, TEPCO employees confirmed that the fire was off.

At approximately 5:45 am on March 16th, a TEPCO employee discovered a fire at the northwest corner of the Nuclear Reactor Building. TEPCO immediately reported this incident to the fire department and the local government and proceeded with the extinction of fire.

At approximately 6:15 am, TEPCO staff confirmed at the site that there are no signs of fire.

At approximately 8:21 am on March 20th, spraying water by fire engines was started with the cooperation of Self-Defense Forces and they finished the operation at approximately 9:40 am. At approximately 6:45 pm spraying water was started by Self-Defenses' water cannon trucks and finished at approximately 7:45 pm.

At approximately 6:30 am, March 21st, spraying water by fire engines was started with the cooperation of Self-Defense Forces and the United States Armed Forces. At approximately 8:40 am, March 21, they had finished the operation.
On March 21st, cabling has been completed from temporary substation to the main power center.

From approximately 5:20 pm on March 22nd, spraying water from the concrete pumping vehicle was conducted and ended at approximately 8:30 pm on the same day.

From approximately 10:00 am on March 23rd, spraying water from the concrete pumping vehicle was conducted and ended at approximately 1:00 pm on the same day.

From approximately 2:35 pm on March 24th, spraying water by the concrete pumping vehicle was conducted and ended at approximately 5:30 pm on the same day.

From 6:05 am on March 25th, seawater injection through Fuel Pool Cooling and Filtering System was initiated and finished at approximately 10:20 am on the same day.

From 7:05 pm on March 25th, water spray by the concrete pumping vehicle was started and finished at 10:07 pm on March 25th.

* Unit 5 and 6

At 5 am on March 19th, we started the Residual Heat Removal System Pump (C) of Unit 5 in order to cool the spent fuel pool. At 10:14 pm, we started the Residual Heat Removal System Pump (B) of Unit 6 in order to cool the spent fuel pool.

Unit 5 has been in reactor cold shutdown since 2:30 pm on March 20th.
Unit 6 has been in reactor cold shutdown since 7:27 pm on March 20th.

At Units 5 and 6, in order to prevent hydrogen gas from accumulating within the buildings, we have made three holes on the roof of the reactor building for each unit.

At approximately 5:24 pm on March 23rd, the temporary Residual Heat Removal System Seawater Pump automatically stopped when its power source was switched. We plan to repair the pump while maintaining the appropriate water level and the temperature in the reactor. At around 4:14 pm, March 24th, we started replaced pump and at around 4:35 pm, cooling of reactor has restarted.

*On March 18th, regarding the spent fuel in the common spent fuel pool, we have confirmed that the water level of the pool is secured. At around 10:37 am March 21st, water spraying to common spent fuel pool and finished at 3:30 pm. At around 6:05 pm, fuel pool cooling pump was started to cool the pool.

*common spent fuel pool: a spent fuel pool for common use set in a separate building in a plant site in order to preserve spent fuel which are transferred from the spent fuel pool in each Unit building.

*On March 17th, we patrolled buildings for dry casks and found no sign of abnormal situation for the casks by visual observation. A detailed inspection is under preparation.

*dry cask: a measure to store spent fuel in a dry storage casks in storages. Fukushima Daiichi Nuclear Power Station started to utilize the measure from August 1995.

In total 13 fire engines are lent for spraying water to the spent fuel pools and water injection to the nuclear reactors by various regional fire departments as well as Tokyo Fire Department. Also, instruction regarding the setting and operation of large scale decontamination system was provided.

*On March 24, 2011, it was confirmed that 3 workers from cooperative companies who were in charge of cable laying work in the 1st floor and the underground floor of turbine building were exposed to the radiation dose of more than 170mSv. 2 of them were confirmed that their leg skins were contaminated. Although they were decontaminated by laundering, they were transferred to Fukushima Medical University hospital because there is possibility that they get a burn injury by beta ray. On March 25th, remaining worker was also transferred to Fukushima Medical University hospital. After that, all 3 workers arrived at National Institute of Radiological Sciences in Chiba Prefecture. We will assess radiation dose of 2 worker's leg skin by beta ray. We thoroughly instruct our employees and workers of cooperative companies to recognize APD alarm and evacuate when the alarm rings. We will explain this event, together with appropriate measures to be taken, to the government and to people concerned in order to fully secure the safety in relation to radiation dose management and operations associated with radiation exposure.

*On March 21st, 23rd and 24th, we detected cobalt, iodine, cesium and tellurium from the seawater around discharge canal of Unit 1, 2, 3 and 4.

*On March 21st, 23rd and 24th, we detected iodine, cesium and tellurium in the air collected at the site of Fukushima Daiichi Nuclear Power Station.

*We will continuously endeavor to securing safety, and monitoring of the surrounding environment.

Fukushima Daiichi Nuclear Power Station:

Units 1 to 4: shutdown due to earthquake

*The national government has instructed evacuation for those local residents within 10km radius of the periphery.

*In order to achieve cold shutdown, reactor cooling function was restored and cooling of reactors was conducted. As a result, all reactors achieved cold shutdown: Unit 1 at 5:00 pm, March 14th, Unit 2 at 6:00 pm, March 14th, Unit 3 at 0:15 pm, March 12th, Unit 4 at 7:15 am, March 16th.

*Since March 12th, we had been preparing measures for reducing the pressure of reactor containment vessels (partial discharge of air containing radioactive materials to outside), but on March 17th, we released such preparation in all Units.

* (Unit 1)

As it is confirmed that the temperature of the Emergency Equipment Cooling Water System #1 has increased, at 3:20 pm, March 15th, we stopped the Residual Heat Removal System (B) for the inspection. Subsequently, failure was detected in the power supply facility associated with the pumps of the Emergency Equipment Cooling Water System. At 4:25 pm, March 15th, after replacing the power facility, the pumps and the Residual Heat Removal System (B) have been reactivated.

* (Unit 4)

As it is confirmed that the pressure at the outlet of the pumps of the Emergency Equipment Cooling Water System #1 has been decreased, at 8:05 pm, March 15th, we stopped the Residual Heat Removal System (B) for the inspection. Subsequently, failure was detected in the power supply facility associated with the pumps of the Emergency Equipment Cooling Water System. At 9:25 pm, March 15th, after replacing the relevant facility, the pumps and the Residual Heat Removal System (B) have been reactivated.

*Emergency water system in which cooling water (pure water) circulates which exchanged the heat with sea water in order to cool down bearing pumps and/or heat exchangers etc.

Kashiwazaki Kariwa Nuclear Power Station:

Units 1, 5, 6, 7: normal operation

(Units 2 to 4: outage due to regular inspection)

[Thermal Power Station]

Hirono Thermal Power Station Units 2 and 4: shutdown due to earthquake

Hitachinaka Thermal Power Station Unit 1: shutdown due to earthquake

Kashira Thermal Power Station Units 2, 3, 5, 6: shutdown due to earthquake

[Hydro Power Station]

* All the stations have been restored.

(Facilities damaged by the earthquake are now properly under consideration)

[Transmission System, etc.]

All substation failed due to the earthquake have been restored.

[Blackout in TEPCO's Service Area]

All the blackouts are resolved.

[Supply and Demand Status within TEPCO's Service Area to Secure Stable Power Supply]

Backup supply from Shinshinano Conversion Station: 600MW

Backup supply from Sakuma Conversion Station: 300MW

Backup supply from Higashi Shizuoka Conversion Station: 100MW

Backup supply from Hokkaido-Honshu Interconnection Facilities: 600MW

Considering the critical balance of our power supply capacity and expected power demand forward, in order to avoid unexpected blackout, TEPCO has been implementing rolling blackout (planned blackout alternates from one area to another) since Mar 14th. We will make our utmost to secure the stable power supply as early as possible.

For customers who will be subject to rolling blackout, please be prepared for the announced blackout periods. Also for customers who are not subject to blackouts, TEPCO appreciates your continuous cooperation in reducing electricity usage by avoiding using unnecessary lighting and electrical equipment.

[Others]

Please do NOT touch cut-off electric wires.

In order to prevent fire, please make sure to switch off the electric appliances such as hair driers when you leave your house.

For the customer who has in-house power generation, please secure fuel for generator.

□ Back to Page 100



Press Releases

Press Release (Mar 26, 2011) Plant Status of Fukushima Daiichi Nuclear Power Station (as of 10:30 AM Mar 26th)

*new items are underlined

All 6 units of Fukushima Daiichi Nuclear Power Station have been shut down.

Unit 1 (Shut down)

- Reactor has been shut down. However, the explosive sound and white smoke were confirmed after the big quake occurred at 3:36 pm Mar 12th. It was assumed to be hydrogen explosion.
- At approximately 2:30 am on March 23rd, seawater was started to be injected to the nuclear reactor through the feed water system.
- At approximately 10:50 am on March 24th, white fog-like steam arising from the roof part of the reactor building was observed.
- At approximately 11:30 am on March 24th, lights in the main control room was restored.
- We had been injecting sea water into the reactor, but from 3:37 pm on March 25th, we started injecting fresh water into it.

Unit 2 (Shut down)

- At approximately 6:50 am on March 15th, an abnormal noise began emanating from nearby Pressure Suppression Chamber and the pressure within this chamber decreased.
- At 6:20 pm on March 21st, white smoke was confirmed arising from the top of the reactor building. As of 7:11 am on March 22nd, smoke decreased to the level to nearly non-existent.
- We have been injecting sea water into the reactor, but from 10:10 am on March 26th, we started injecting fresh water (with boric acid) into it.

Unit 3 (Shut down)

- Reactor has been shut down. However, the explosive sound and white smoke were confirmed at 11:01am Mar 14th. It was assumed to be hydrogen explosion.
- At 8:30am on March 16th, fog like steam was confirmed arising from the reactor building.
- At approximately 6:15 am on March 17th the pressure of the Suppression Chamber has temporarily increased. We were preparing to implement a measurement to reduce the pressure of the reactor containment vessel (partial discharge of air containing radioactive material to outside) in order to fully secure safety. However, at present, it is not a situation to take a measure immediately to discharge air containing radioactive material to outside now. We will continue to monitor the status of the pressure of the reactor containment vessel.
- At approximately 4:00 pm, March 21st, light gray smoke was confirmed arising from the floor roof of the Unit 3 building. On March 22nd, the color of smoke changed to somewhat white and it is slowly dissipating.
- At approximately 10:45 pm on March 22nd, the light in the main control room was turned on.
- At around 4:20 pm on March 23rd, our staff confirmed light black smoke belching from the Unit 3 building. At approximately 11:30 pm on March 23rd and 4:50 am on March 24th, our employee found no signs of smoke.
- We had been injecting sea water into the reactor pressure vessel, but from 6:02 pm on March 25th, we started injecting fresh water into it.

Unit 4 (outage due to regular inspection)

- Reactor has been shut down. However, at approximately 6 am on March 15th, we have confirmed the explosive sound and the sustained damage around the 5th floor rooftop area of the Nuclear Reactor Building.
- On March 15th and 16th, we respectively confirmed the outbreak of fire at the 4th floor of the northwestern part of the Nuclear Reactor Building. We immediately reported this matter to the fire department and the related authorities. TEPCO employees confirmed that each fire had already died down by itself.
- At this moment, we do not consider any reactor coolant leakage inside the reactor happened.

Unit 5 (outage due to regular inspection)

- Reactor has been shut down and the sufficient level of reactor coolant to ensure safety is maintained.
- At 5 am, March 19th, we started the Residual Heat Removal System Pump (C) in order to cool the spent fuel pool.
- At this moment, we do not consider any reactor coolant leakage inside the reactor containment vessel happened.
- At 2:30 pm, March 20th, the reactor achieved reactor cold shutdown. At around 5:24 pm on March 23rd, when we switched the temporary Residual Heat Removal System Seawater Pump, it has stopped automatically. At around 4:14 pm, March 24th, we started replaced pump and at around 4:35 pm, cooling of reactor has restarted.

Unit 6 (outage due to regular inspection)

- Reactor has been shut down and the sufficient level of reactor coolant to ensure safety is maintained.
- We completed the repair work on the emergency diesel generator (A).
- At 10:14 pm, March 19th, we started the Residual Heat Removal System Pump (B) of Unit 6 in order to cool the spent fuel pool.
- At 7:27 pm, March 20th, the reactor achieved reactor cold shutdown.
- In relation to the two seawater side pumps of the Residual Heat Removal System, we changed the power source from temporary to permanent at 3:38 PM and 3:42PM, Mar 25 respectively.
- At this moment, we do not consider any reactor coolant leakage inside the reactor containment vessel happened.

Today's work for cooling the spent fuel pools

- We are considering further spraying at other units and others subject to the conditions of spent fuel pools.

Casualty

- 2 workers of cooperative firm were injured at the occurrence of the earthquake, and were transported to the hospital on March 11th.
- Presence of 2 TEPCO employees at the site is not confirmed on March 11th.
- 1 TEPCO employee who was not able to stand by his own holding left chest with his hand, was transported to the hospital by an ambulance on March 12th.
- 4 workers were injured and transported to the hospital after explosive sound and white smoke were confirmed around the Unit 1 on March 12th.
- 1 subcontract worker at the key earthquake-proof building was unconscious and transported to the hospital by an ambulance on March 12th.
- The radiation exposure of 1 TEPCO employee, who was working inside the reactor building, exceeded 100mSv and he was transported to the hospital on March 12th.
- 2 TEPCO employees felt bad during their operation in the central control rooms of Unit 1 and 2 while wearing full masks, and were transferred to Fukushima Daiichi Nuclear Power Station for consultation with a medical advisor on March 13th.
- 11 workers were injured and transported to Fukushima Daiichi Nuclear Power Station etc. after explosive sound and white smoke were confirmed around the Unit 3. One of the workers was transported to the FUKUSHIMA Medical University Hospital on March 14th.
- At approximately 10 pm on March 22nd, 1 worker who had been working on setting up a temporary power panel in the common pool was injured and transported to Fukushima Daiichi Nuclear Power Station where the industrial doctor is.
- At approximately 1:30 am on March 23rd, 1 worker who had been working on transporting a temporary power panel in the common pool was injured and transported to Fukushima Daiichi Nuclear Power Station where the industrial doctor is.
- On March 24th, it was confirmed that 3 workers from cooperative companies who were in charge of cable laying work in the 1st floor and the underground floor of turbine building were exposed to the radiation dose of more than 170 mSv. 2 of them were confirmed that their leg skin were contaminated. Although they were decontaminated, since it there were possibility of beta ray burn injury, they were transferred to Fukushima Medical University Hospital. The third worker was also transferred to Fukushima Medical University Hospital today (March 25). The 3 workers are now been transferred to National Institute of Radiological Sciences in Chiba Prefecture.

Regarding this event, TEPCO has reported to related government ministries and agencies on measures to be taken to assure appropriate radiation dose control and radiation exposure related operations.

Before today's restoration work, we will make notification to the concerned parties and continue to take all possible measures to future management.

Others

- We measured radioactive materials (iodine etc.) inside of the nuclear power station area (outdoor) by monitoring car and confirmed that radioactive materials level is getting higher than ordinary level. As listed below, we have determined that specific incidents stipulated in article 15, clause 1 of Act on Special Measures Concerning Nuclear Emergency Preparedness (Abnormal increase in radiation dose measured at site boundary) have occurred.
 - Determined at 4:17 pm Mar 12th (Around Monitoring Post 4)
 - Determined at 8:56 am Mar 13th (Around Monitoring Post 4)
 - Determined at 2:15 pm Mar 13th (Around Monitoring Post 4)
 - Determined at 3:50 am Mar 14th (Around Monitoring Post 6)
 - Determined at 4:15 am Mar 14th (Around Monitoring Post 2)
 - Determined at 9:27 am Mar 14th (Around Monitoring Post 3)
 - Determined at 9:37 pm Mar 14th (Around main entrance)
 - Determined at 6:51 am Mar 15th (Around main entrance)
 - Determined at 8:11 am Mar 15th (Around main entrance)
 - Determined at 4:17 pm Mar 15th (Around main entrance)
 - Determined at 11:05 pm Mar 15th (Around main entrance)
 - Determined at 8:58 am Mar 19th (Around MP5)
- From now on, if the measured figure fluctuates and goes above and below 500 micro Sv/h, we deem that as the continuous same event and will not regard that as a new specific incidents stipulated in article 15, clause 1 of the Act on Special Measures Concerning Nuclear Emergency Preparedness (Abnormal increase in radiation dose measured at site boundary) has occurred. In the interim, if we measure a manifestly abnormal figure and it is evident that the event is not the continuous same event, we will determine and notify.

- The national government has instructed evacuation for those local residents within 20km radius of the periphery and evacuation to inside for those residents from 20km to 30km radius of the periphery, because it's possible that radioactive materials are discharged.
- At approximately 10am on March 15th, we observed 400mSv/h at the inland side of the Unit 3 reactor building and 100mSv/h at the inland side of the Unit 4 reactor building.
- At around 10:37 am March 21st, water spraying to common spent fuel pool and finished at 3:30 pm (conducted by TEPCO).
- At around 3:37 pm, March 24th, electricity supply to common spent fuel pool has started from external power source. At around 6:05 pm, fuel pool

cooling pump was started to cool the pool.
-We found no signs of abnormal situation for the casks by visual observation during the patrol activity. A detailed inspection is under preparation.
-At Units 5 and 6, in order to prevent hydrogen gas from accumulating within the buildings, we have made three holes on the roof of the reactor building for each unit.
-In total 12 fire engines are lent for the water spraying to the spent fuel pools and water injection to the nuclear reactors by various regional fire departments* as well as Tokyo Fire Department. Also, instruction regarding the setting and operation of large scale decontamination system was provided by Niigata City Fire Headquarter and Hamamatsu City Fire Headquarter.
*: Koriyama Fire Department, Iwaki Fire Brigade Headquarters, Fire Headquarters of Sukegawa District Wide Area Fire-fighting Association, Yonezawa City Fire Headquarters, Utsunomiya City Fire Headquarters, Fire Headquarters of Aizu-Wakamatsu wide area municipal association, Saitama City Fire Bureau, and Niigata City Fire Bureau.
-By March 22nd, Units 1 through 6 were started to be energized from the external power source.
We will continue to take all measures to ensure the safety and to continue monitoring the surrounding environment around the Power Station.

☐ [Back to page 106](#)

From: Jaczko, Gregory
Sent: Saturday, March 26, 2011 6:14 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Go Book Update - 1800 EDT, March 26, 2011
Attachments: March 26 1500 EDT one pager.docx; JAPANESE TRAVELER INFORMATION.pdf; USNRC Earthquake-Tsunami Update.032611.1800EDT.pdf; ET Chronology 3-26-11 1800.pdf; TEPCO Press Release 165.pdf; TEPCO Press Release 172.pdf; TEPCO Press Release 171.pdf; TEPCO Press Release 170.pdf; TEPCO Press Release 169.pdf; TEPCO Press Release 168.pdf; TEPCO Press Release 167.pdf; TEPCO Press Release 166.pdf

From: LIA07 Hoc
Sent: Saturday, March 26, 2011 6:14:14 PM
To: Borchardt, Bill; Bradford, Anna; Cohen, Shari; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprongeris, Patricia; Taylor, Renee; Virgilio, Martin; Walls, Lorena; Weber, Michael
Subject: Go Book Update - 1800 EDT, March 26, 2011
Auto forwarded by a Rule

Please find attached updated information for the "Go Books".

The updates include:

- The latest Status Update (1800 EDT, March 26, 2011)
- The latest "One Pager" (1500 EDT, March 26, 2011)
- The latest NRC Japan Team Traveler Information
- The latest ET Chronology
- The latest TEPCO Press Releases (165-172)

Please let me know if you have any questions or concerns.

-Sara

Sara 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)

Press Releases

Press Release (Mar 26,2011)
Plant Status of Fukushima Daiichi Nuclear Power Station (as of 4:00 PM Mar 26th)

*No update from the last release issued at 10:30 am, March 26th

All 6 units of Fukushima Daiichi Nuclear Power Station have been shut down.

Unit 1(Shut down)

- Explosive sound and white smoke were confirmed after the big quake occurred at 3:36 pm Mar 12th. It was assumed to be hydrogen explosion.
- At approximately 2:30 am on March 23rd, seawater was started to be injected to the nuclear reactor through the feed water system.
- At approximately 10:50 am on March 24th, white fog-like steam arising from the roof part of the reactor building was observed.
- At approximately 11:30 am on March 24th, lights in the main control room was restored.
- We had been injecting sea water into the reactor, but from 3:37 pm on March 25th, we started injecting fresh water into it.

Unit 2(Shut down)

- At approximately 6:00 am on March 15th, an abnormal noise began emanating from nearby Pressure Suppression Chamber and the pressure within this chamber decreased.
- At 6:20 pm on March 21st, white smoke was confirmed arising from the top of the reactor building. As of 7:11 am on March 22nd, smoke decreased to the level to nearly non-existent.
- We have been injecting sea water into the reactor, but from 10:10 am on March 26th, we started injecting fresh water (with boric acid) into it.

Unit 3(Shut down)

- Explosive sound and white smoke were confirmed at 11:01am March 4th. It was assumed to be hydrogen explosion.
- At 8:30am on March 16th, fog like steam was confirmed arising from the reactor building.
- At approximately 6:15 am on March 17th the pressure of the Suppression Chamber has temporarily increased. We were preparing to implement measures to reduce the pressure of the reactor containment vessel (partial discharge of air containing radioactive material to outside) in order to fully secure safety. However, at present, it is not a situation to immediately implement measures and discharge air containing radioactive material to outside. We will continue to monitor the status of the pressure of the reactor containment vessel.
- At approximately 4:00 pm, March 21st, light gray smoke was confirmed arising from the floor roof of the Unit 3 building. On March 22nd, the color of smoke changed to somewhat white and it is slowly dissipating.
- At approximately 10:45 pm on March 22nd, the light in the main control room was turned on.
- At around 4:20 pm on March 23rd, our staff confirmed light black smoke belching from the Unit 3 building. At approximately 11:30 pm on March 23rd and 4:50 am on March 24th, our employee found no signs of smoke.
- We had been injecting sea water into the reactor pressure vessel, but from 6:02 pm on March 25th, we started injecting fresh water into it.

Unit 4(outage due to regular inspection)

- At approximately 6 am on March 15th, we confirmed the explosive sound and the sustained damage around the 5th floor rooftop area of the Nuclear Reactor Building.
- On March 15th and 16th, we respectively confirmed the outbreak of fire at the 4th floor of the northwestern part of the Nuclear Reactor Building. We immediately reported this matter to the fire department and the related authorities. TEPCO employees confirmed that each fire had already died down by itself.
- At this moment, we do not consider any reactor coolant leakage inside the reactor happened.

Unit 5(outage due to regular inspection)

- Sufficient level of reactor coolant to ensure safety is maintained.
- At 5 am, March 19th, we started the Residual Heat Removal System Pump (C) in order to cool the spent fuel pool.
- At 2:30 pm, March 20th, the reactor achieved reactor cold shutdown. At around 5:24 pm on March 23rd, when we switched the temporary Residual Heat Removal System Seawater Pump, it has stopped automatically. At around 4:14 pm, March 24th we replaced the pump, and restarted cooling of reactor at around 4:35 pm.
- At this moment, we do not consider any reactor coolant leakage inside the reactor containment vessel happened.

Unit 6(outage due to regular inspection)

- Sufficient level of reactor coolant to ensure safety is maintained.
- We completed the repair work on the emergency diesel generator (A).
- At 10:14 pm, March 19th, we started the Residual Heat Removal System Pump (B) of Unit 6 in order to cool the spent fuel pool.
- At 7:27 pm, March 20th, the reactor achieved reactor cold shutdown.
- In relation to the two seawater side pumps of the Residual Heat Removal System, we switched the power source from temporary to permanent at 3:38 PM and 3:42PM, Mar 25 respectively.
- At this moment, we do not consider any reactor coolant leakage inside the reactor containment vessel happened.

Today's work for cooling the spent fuel pools

- We are considering further spraying at other units and subject to the conditions of spent fuel pools.

Casualty

- 2 workers of cooperative firm were injured at the occurrence of the earthquake, and were transported to the hospital on March 11th.
 - Presence of 2 TEPCO employees at the site is not confirmed on March 11th.
 - 1 TEPCO employee who was not able to stand by his own holding left chest with his hand, was transported to the hospital by an ambulance on March 12th.
 - 4 workers were injured and transported to the hospital after explosive sound and white smoke were confirmed around the Unit 1 on March 12th.
 - 1 subcontract worker at the key earthquake-proof building was unconscious and transported to the hospital by an ambulance on March 12th.
 - The radiation exposure of 1 TEPCO employee, who was working inside the reactor building, exceeded 100mSv and he was transported to the hospital on March 12th.
 - 2 TEPCO employees felt bad during their operation in the central control rooms of Unit 1 and 2 while wearing full masks, and were transferred to Fukushima Daiichi Nuclear Power Station for consultation with a medical advisor on March 13th.
 - 11 workers were injured and transported to Fukushima Daiichi Nuclear Power Station etc. after explosive sound and white smoke were confirmed around the Unit 3. One of the workers was transported to the Fukushima Medical University Hospital on March 14th.
 - At approximately 10 pm on March 22nd, 1 worker who had been working on setting up a temporary power panel in the common pool was injured and transported to Fukushima Daiichi Nuclear Power Station where the industrial doctor is.
 - At approximately 1:30 am on March 23rd, 1 worker who had been working on transporting a temporary power panel in the common pool was injured and transported to Fukushima Daiichi Nuclear Power Station where the industrial doctor is.
 - On March 24th, it was confirmed that 3 workers from cooperative companies who were in charge of cable laying work in the 1st floor and the underground floor of turbine building were exposed to the radiation dose of more than 170 mSv. 2 of them were confirmed that their skins on legs were contaminated. Although they were decontaminated, since there was a possibility of beta ray burn injury, they were transferred to Fukushima Medical University Hospital. The third worker was also transferred to Fukushima Medical University Hospital on March 25th. After that, the 3 workers were transferred to National Institute of Radiological Sciences in Chiba Prefecture.
- Regarding this event, TEPCO has reported to the related government ministries and agencies on measures to be taken to assure appropriate radiation dose control and radiation exposure related operations. Before today's restoration work, we will make notification to the concerned parties and continue to take all possible measures to future management.

Others

- We measured radioactive materials (iodine etc.) inside of the nuclear power station area (outdoor) by monitoring car and confirmed that radioactive materials level is getting higher than ordinary level. As listed below, we have determined that specific incidents stipulated in article 15, clause 1 of Act on Special Measures Concerning Nuclear Emergency Preparedness (Abnormal increase in radiation dose measured at site boundary) have occurred.
- Determined at 4:17 pm Mar 12th (Around Monitoring Post 4)
- Determined at 8:56 am Mar 13th (Around Monitoring Post 4)
- Determined at 2:15 pm Mar 13th (Around Monitoring Post 4)
- Determined at 3:50 am Mar 14th (Around Monitoring Post 6)
- Determined at 4:15 am Mar 14th (Around Monitoring Post 2)

- Determined at 9:27 am Mar 14th (Around Monitoring Post 3)
- Determined at 9:37 pm Mar 14th (Around main entrance)
- Determined at 6:51 am Mar 15th (Around main entrance)
- Determined at 8:11 am Mar 15th (Around main entrance)
- Determined at 4:17 pm Mar 15th (Around main entrance)
- Determined at 11:05 pm Mar 15th (Around main entrance)
- Determined at 8:58 am Mar 19th (Around MP5)

From now on, if the measured figure fluctuates and goes above and below 500 micro Sv/h, we deem that as the continuous same event and will not regard that as a new specific incidents stipulated in article 15, clause 1 of the Act on Special Measures Concerning Nuclear Emergency Preparedness (Abnormal increase in radiation dose measured at site boundary) has occurred. In the interim, if we measure a manifestly abnormal figure and it is evident that the event is not the continuous same event, we will determine and notify.

- The national government has instructed evacuation for those local residents within 20km radius of the periphery and evacuation to inside for those residents from 20km to 30km radius of the periphery, because it is possible that radioactive materials are discharged.
- At approximately 10am on March 15th, we observed 400mSv/h at the inland side of the Unit 3 reactor building and 100mSv/h at the inland side of the Unit 4 reactor building.
- At around 10:37 am March 21st, water spraying to common spent fuel pool and finished at 3:30 pm (conducted by TEPCO).
- At around 3:37 pm, March 24th, electricity supply to common spent fuel pool has started from external power source. At around 6:05 pm, fuel pool cooling pump was started to cool the pool.
- We found no signs of abnormal situation for the casks by visual observation during the patrol activity. A detailed inspection is under preparation.
- At Units 5 and 6, in order to prevent hydrogen gas from accumulating within the buildings, we have made three holes on the roof of the reactor building for each unit.
- In total 12 fire engines are lent for the water spraying to the spent fuel pools and water injection to the nuclear reactors by various regional fire departments* as well as Tokyo Fire Department. Also, instruction regarding the setting and operation of large scale decontamination system was provided by Niigata City Fire Headquarter and Hamamatsu City Fire Headquarter.
- *: Koriyama Fire Department, Iwaki Fire Brigade Headquarters, Fire Headquarters of Sukaagawa District Wide Area Fire-fighting Association, Yonezawa City Fire Headquarters, Utsunomiya City Fire Headquarters, Fire Headquarters of Aizu-Wakamatsu wide area municipal association, Saitama City Fire Bureau, and Niigata City Fire Bureau.
- By March 22nd, Units 1 through 6 were started to be energized from the external power source.
- We will continue to take all measures to ensure the safety and to continue monitoring the surrounding environment around the Power Station.

□ BACK TO PAGE TOP

From: Marshall, Michael
Sent: Saturday, March 26, 2011 9:21 PM
To: Coggins, Angela; Batkin, Joshua; Loyd, Susan; Pace, Patti; Warren, Roberta; Dhir, Neha; Clark, Lisa; Speiser, Herald; Montes, David; Bradford, Anna; Fopma, Melody
Cc: Hipschman, Thomas
Subject: Highlights of Saturday 03/26/11 8:00pm Commission Assistant Brief

- Fukushima Daiichi Units 1, 2, and 3 have fresh water injection to their cores from tanks reservoir onsite or near-site.
- Fukushima Daiichi Unit 1, 2, and 3 turbine building are flooded. Water was pumped out of Unit 1.
- Electrical power has been restored to all six units. Lights are available in all of the control rooms. Pumps and other components are being checked to verify that they are safe to energize.
- (b)(5)
- Japanese Defense Force has completed training with the pumping system built by Bechtel. The system is being moved to the site for possible use.
- US Navy is moving two large fresh water barge to the site via tug. It should be at the site tomorrow. Navy is checking the harbor that the barges would operate from for debris.
- (b)(5)
- US nuclear plants are sending information on radiological readings through NEI to the NRC.
- NRC is sending a rep to Pearl Harbor, HI for two weeks to advise the Navy.

From: Pace, Patti
Sent: Saturday, March 26, 2011 11:10 PM
To: Rutz, Wayne; Kerben, Valerie
Cc: Stapleton, Bernard; Watson, Linda
Subject: Re: Proof of Security Clearance Form

Wayne,

I passed along all the information we discussed this evening. I will let you know if State comes back to us for additional info.

Thank you!!
Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: Rutz, Wayne
To: Pace, Patti; Kerben, Valerie
Cc: Stapleton, Bernard; Watson, Linda
Sent: Sat Mar 26 22:56:39 2011
Subject: RE: Proof of Security Clearance Form

Patti,

This form would normally be filled out and signed by ADM/DFS/PERSEC POC would be Valerie Kerben (Branch Chief) or Linda Watson. If they can't help you this weekend then give me a call and I'll come in Sunday and do what I can.

R/S,

Wayne A. Rutz, Special Security Officer
U. S. NRC
11555 Rockville Pike
Rockville, MD 20852

(301) 415-2206 (Office) (b)(6) (Cell)
(301) 415-2190 (FAX)
(301) 415-1139/8369 (Secure FAX)

war@nrc.gov
war@nrc.sgov.gov
war@nrc.ic.uov

"Semper Fidelis"

From: Pace, Patti
Sent: Saturday, March 26, 2011 6:12 PM
To: Stapleton, Bernard; Rutz, Wayne
Subject: FW: Proof of Security Clearance Form

Hello,

Chairman Jaczko and Angela Coggins are traveling to Japan tonight. Can you help me get these forms completed for them? I am pulling together a lot of other items and need help with this one.

Thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: RMTPACTSU_ELNRC [mailto:RMTPACTSU_ELNRC@ofda.gov]
Sent: Saturday, March 26, 2011 6:07 PM
To: Pace, Patti
Cc: Williams, Kevin
Subject: FW: Proof of Security Clearance Form

This is form I was talking about.

Kevin

From: RMTPACTSU_AC
Sent: Saturday, March 26, 2011 6:04 PM
To: RMTPACTSU_ELNRC
Subject: Proof of Security Clearance Form

Here is the form (attached). It is used to complete the E-Country Clearance (ECC).

From: Jaczko, Gregory
Sent: Saturday, March 26, 2011 11:14 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Go Book Update 2200 EDT March 26, 2011
Attachments: March 26 2200 EDT one pager.doc

From: LIA07 Hoc
Sent: Saturday, March 26, 2011 11:13:56 PM
To: Borchardt, Bill; Bradford, Anna; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walls, Lorena; Weber, Michael
Cc: LIA07 Hoc
Subject: Go Book Update 2200 EDT March 26, 2011
Auto forwarded by a Rule

Please find attached the latest "One Pager" (2200 EDT, March 26, 2011).

Please let me know if you have any questions or concerns.

-Jim

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

From: Jaczko, Gregory
Sent: Sunday, March 27, 2011 6:34 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Go Book Update - 0600 EDT March 27, 2011
Attachments: NRC Status Update 3.27.11--0430 EDT.pdf; TEPCO Press Release 173.pdf; TEPCO Press Release 174.pdf; ET Chronology 3-27-11 0600.pdf; March 27 0600 EDT one pager.docx

From: LIA07 Hoc
Sent: Sunday, March 27, 2011 6:34:05 AM
To: Borchardt, Bill; Bradford, Anna; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walls, Lorena; Weber, Michael
Cc: LIA07 Hoc
Subject: Go Book Update - 0600 EDT March 27, 2011
Auto forwarded by a Rule

Please find attached updated information for the "Go Books".

The updates include:

- The latest Status Update (0430 EDT, March 27, 2011)
- The latest "One Pager" (0600 EDT, March 27, 2011)
- The latest ET Chronology
- The latest TEPCO Press Releases (173 and 174)

Please let me know if you have any questions or concerns.

-Jim

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

 Search

Press Releases

Press Release (Mar 27, 2011)

Plant Status of Fukushima Daini Nuclear Power Station (as of 9:00 am March 27th)

No update from the last release issued at 9:00 pm, March 26th

Unit Status

- 1
 - Reactor cold shutdown, stable water level, offsite power is available.
 - No reactor coolant is leaked to the reactor containment vessel.
 - Maintain average water temperature at 100°C in the Pressure Suppression Chamber.
- 2
 - Reactor cold shutdown, stable water level, offsite power is available.
 - No reactor coolant is leaked to the reactor containment vessel.
 - Maintain average water temperature at 100°C in the Pressure Suppression Chamber.
- 3
 - Reactor cold shutdown, stable water level, offsite power is available.
 - No reactor coolant is leaked to the reactor containment vessel.
 - Maintain average water temperature at 100°C in the Pressure Suppression Chamber.
- 4
 - Reactor cold shutdown, stable water level, offsite power is available.
 - No reactor coolant is leaked to the reactor containment vessel.
 - Maintain average water temperature at 100°C in the Pressure Suppression Chamber.

Other N.A.

 [Back to Page Top](#)

From: Kerben, Valerie
Sent: Sunday, March 27, 2011 8:42 AM
To: Pace, Patti
Subject: Re: Proof of Security Clearance Form

No problem!

Valerie B. Kerben, Chief
Personnel Security Branch
Nuclear Regulatory Commission
P-(301) 492-3527
F-(301) 492-3442

From: Pace, Patti
To: Kerben, Valerie
Sent: Sun Mar 27 08:40:54 2011
Subject: Re: Proof of Security Clearance Form

Thank you so much!!
Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: Kerben, Valerie
To: Pace, Patti; Rutz, Wayne
Cc: Stapleton, Bernard; Watson, Linda
Sent: Sun Mar 27 08:39:57 2011
Subject: Re: Proof of Security Clearance Form

Patti,
Yes I can send to Cynthia at the embassy and the contact at USAID later today. I need to get to my computer to access all the pertinent clearance information and agency forms. I will send you an email when all is completed.
Thank you

Valerie B. Kerben, Chief
Personnel Security Branch
Nuclear Regulatory Commission
P-(301) 492-3527
F-(301) 492-3442

From: Pace, Patti
To: Kerben, Valerie; Rutz, Wayne
Cc: Stapleton, Bernard; Watson, Linda
Sent: Sun Mar 27 08:33:13 2011
Subject: Re: Proof of Security Clearance Form

Ms. Kerben,

Would it be possible for you to reach out to Cynthia Hoof at the Embassy in Japan to see if they have what they need for clearance information for Chairman Jaczko and Angela Coggins? I don't have her contact info but Kirk Foggie said you may as you have helped others from NRC that are over there.

Thank you,

Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: Kerben, Valerie
To: Pace, Patti; Rutz, Wayne
Cc: Stapleton, Bernard; Watson, Linda
Sent: Sun Mar 27 01:24:59 2011
Subject: Re: Proof of Security Clearance Form

I am away this weekend until Sunday afternoon. I will be happy assist when I return tomorrow. Please let me know if this needs to go to just the email address below .
Thank you

Valerie B. Kerben, Chief
Personnel Security Branch
Nuclear Regulatory Commission
P-(301) 492-3527
F-(301) 492-3442

From: Pace, Patti
To: Rutz, Wayne; Kerben, Valerie
Cc: Stapleton, Bernard; Watson, Linda
Sent: Sat Mar 26 23:09:54 2011
Subject: Re: Proof of Security Clearance Form

Wayne,

I passed along all the information we discussed this evening. I will let you know if State comes back to us for additional info.

Thank you!!
Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: Rutz, Wayne
To: Pace, Patti; Kerben, Valerie
Cc: Stapleton, Bernard; Watson, Linda
Sent: Sat Mar 26 22:56:39 2011
Subject: RE: Proof of Security Clearance Form

Patti,

This form would normally be filled out and signed by ADM/DFS/PERSEC POC would be Valerie Kerben (Branch Chief) or Linda Watson. If they can't help you this weekend then give me a call and I'll come in Sunday and do what I can.

R/S,

Wayne A. Rutz, Special Security Officer
U. S. NRC
11555 Rockville Pike

Rockville, MD 20852

(301) 415-2206 (Office) (b)(6) (Cell)
(301) 415-2190 (FAX)
(301) 415-1139/8369 (Secure FAX)

war@nrc.gov
war@nrc.sgov.gov
war@nrc.ic.gov

"Semper Fidelis"

From: Pace, Patti
Sent: Saturday, March 26, 2011 6:12 PM
To: Stapleton, Bernard; Rutz, Wayne
Subject: FW: Proof of Security Clearance Form

Hello,

Chairman Jaczko and Angela Coggins are traveling to Japan tonight. Can you help me get these forms completed for them? I am pulling together a lot of other items and need help with this one.

Thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: RMTPACTSU_ELNRC [mailto:RMTPACTSU_ELNRC@ofda.gov]
Sent: Saturday, March 26, 2011 6:07 PM
To: Pace, Patti
Cc: Williams, Kevin
Subject: FW: Proof of Security Clearance Form

This is form I was talking about.

Kevin

From: RMTPACTSU_AC
Sent: Saturday, March 26, 2011 6:04 PM
To: RMTPACTSU_ELNRC
Subject: Proof of Security Clearance Form

Here is the form (attached). It is used to complete the E-Country Clearance (ECC).

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Sunday, March 27, 2011 3:22 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: NRC Spent Fuel Storage Safety White Paper

From: Kern, Dab[SMT] (b)(6)
Sent: Sunday, March 27, 2011 3:21:44 PM
To: Jaczko, Gregory
Subject: Re: NRC Spent Fuel Storage Safety White Paper
Auto forwarded by a Rule

Thanks for your folks making such quick work of our request.

Understand you are heading over. Travel safe.

Dab

From: LIA01 Hoc <LIA01.Hoc@nrc.gov>
To: Kern, Dab; Reed, Richard A.; Kern, Dab
Sent: Sun Mar 27 14:44:14 2011
Subject: NRC Spent Fuel Storage Safety White Paper

Attached please find the NRC white paper on spent fuel storage safety. If you could confirm receipt to this email that would be appreciated.

Federal Liaison Team
301-816-5186

From: Jaczko, Gregory
Sent: Sunday, March 27, 2011 4:17 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: March 27 1300 EDT one pager.doc
Attachments: March 27 1500 EDT one pager.docx

From: LIA07 Hoc
Sent: Sunday, March 27, 2011 4:16:46 PM
To: Borchardt, Bill; Bradford, Anna; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walls, Lorena; Weber, Michael
Subject: March 27 1300 EDT one pager.doc
Auto forwarded by a Rule

Good afternoon,

Please PDF the attached document and save in one pager folder.

Thank you.

From: Marshall, Michael
Sent: Sunday, March 27, 2011 9:01 PM
To: Coggins, Angela; Batkin, Joshua; Loyd, Susan; Pace, Patti; Warren, Roberta; Dhir, Neha; Clark, Lisa; Speiser, Herald; Montes, David; Bradford, Anna; Fopma, Melody; Gibbs, Catina
Cc: Hipschman, Thomas
Subject: Highlights of Sunday 03/27/11 8:00pm Commission Assistant Brief

- Fukushima Daiichi Units 1, 2, and 3 have fresh water injection to their cores.
- Fukushima Daiichi Units 2, and 3 turbine building lower level are flooded.
- Portable diesel generators have arrived at the site.
- Pumping system is still in route to the site. Japanese defense force may get an additional day of training on setting up the system.
- TEPCO has contracted with Shaw for debris removal and RHR system.
- The Chairman's schedule while in Japan was shared.

-

(b)(5)

From: Jaczko, Gregory
Sent: Sunday, March 27, 2011 10:53 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: March 27 2300 EDT one pager.doc
Attachments: March 27 2300 EDT one pager.docx

From: LIA07 Hoc
Sent: Sunday, March 27, 2011 10:52:48 PM
To: Borchardt, Bill; Bradford, Anna; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walls, Lorena; Weber, Michael
Subject: March 27 2300 EDT one pager.doc
Auto forwarded by a Rule

Good evening,

Please PDF the attached document and save in one pager folder.

Thank you.

From: Jaczko, Gregory
Sent: Monday, March 28, 2011 6:38 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Go Book Update -- 1800 EDT, March 28, 2011
Attachments: TEPCO Press Release 199.pdf; TEPCO Press Release 183.pdf; TEPCO Press Release 184.pdf; TEPCO Press Release 185.pdf; TEPCO Press Release 186.pdf; TEPCO Press Release 187.pdf; TEPCO Press Release 188.pdf; TEPCO Press Release 189.pdf; TEPCO Press Release 190.pdf; TEPCO Press Release 191.pdf; TEPCO Press Release 192.pdf; TEPCO Press Release 193.pdf; TEPCO Press Release 194.pdf; TEPCO Press Release 195.pdf; TEPCO Press Release 196.pdf; TEPCO Press Release 197.pdf; TEPCO Press Release 198.pdf; ET Chronology 3-28-11 1800.pdf; March 28 1500 EDT one pagerFin.docx; USNRC Earthquake-Tsunami Update.032811.1800EDT.pdf

From: LIA07 Hoc
Sent: Monday, March 28, 2011 6:37:32 PM
To: Borchardt, Bill; Bradford, Anna; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael
Subject: Go Book Update -- 1800 EDT, March 28, 2011
Auto forwarded by a Rule

Attached, please find updated information for the "Go Books".

The updates include:

- The 1800 EDT, 03/28/11 Status Update
- The latest ET Chronology
- The latest "One Pager" (1500 EDT, 03/28/11)
- TEPCO Press Releases (183-199)

Please let me know if you have any questions or concerns.

-Sara

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

From: Monninger, John
Sent: Tuesday, March 29, 2011 7:22 AM
To: Pace, Patti; Batkin, Joshua
Cc: Gibbs, Catina
Subject: Re: 2 VIP NRC travelers
Attachments: image001.png

That is correct. They both paid with their own travel cards. Angela has her receipt. I have the Chairmans and will fax it later tonight. At a meeting now.

John Monninger

(b)(6)

From: Pace, Patti
To: Batkin, Joshua
Cc: Monninger, John; Gibbs, Catina
Sent: Tue Mar 29 06:57:32 2011
Subject: Fw: 2 VIP NRC travelers

Josh,

They were supposed to pay for their hotel rooms with their NRC travel cards. I think John went back and checked out for the Chairman and had the charges applied to Chairman's card. Not sure if we can go back and take care of Angela's too, have her travel credit card number written down at my desk.

Sorry there was a misunderstanding with the billing!

Thanks
Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: Johnson, Natalya <njohnson@ofda.gov>
To: RMTPACTSU_DMO <RMTPACTSU_DMO@ofda.gov>; Coggins, Angela; Pace, Patti; Batkin, Joshua; Foggie, Kirk; Emche, Danielle
Cc: RMTPACTSU_AC <RMTPACTSU_AC@ofda.gov>; Casto, Chuck; Brown, Courtney <cobrown@ofda.gov>; Berger, William <wberger@ofda.gov>; Johnson, Natalya (DCHA/OFDA) [USAID] <njohnson@USAID.GOV>
Sent: Tue Mar 29 06:47:55 2011
Subject: RE: 2 VIP NRC travelers

Good morning,

This is to follow up on the lodging charges incurred by NRC Chairman Jaczko and Angela Coggins during their visit in Tokyo on Monday, March 28. As per request from RMT in Washington, DART made reservations for them at the Okura Hotel, to ensure they both receive USG-negotiated rate as well as VIP preferential check-in treatment. As per prior conversations with RMT/DMO, it was mutually understood that NRC was facilitating travel arrangements for these individuals through preparation and financing of their Travel Authorizations. OFDA/DART's role was viewed only as facilitator of lodging and motorpool arrangements with the Embassy GSO and Hotel Management.

(b)(5)

Thank you in advance for clarifying this matter.

Regards,
~Natalya

From: RMTPACTSU_DMO
Sent: Sunday, March 27, 2011 9:15 AM
To: Johnson, Natalya; Johnson, Natalya (DCHA/OFDA) [USAID]
Cc: RMTPACTSU_DMP; RMTPACTSU_AC; RMTPACTSU_CRC; RMTPACTSU_RM; Casto, Chuck; Brown, Courtney; Amy Sink; Beed, John [USAID]; 'yamakirx@state.gov' (yamakirx@state.gov); DARTPACTSU_MDRO2; DARTPACTSU_MDRO; Berger, William
Subject: 2 VIP NRC travelers

Hi Natalya,

Good morning! It looks like there will be two VIP travelers from NRC arriving in Tokyo via Heathrow on Monday, March 28 at 9:30 am on Virgin Atlantic flight 900. Ward Miller is our night shift CRC and he has kindly agreed to process the eccs for the two travelers – NRC Chairman Gregory Jaczko and NRC Policy Director Angela Coggins. I believe their travel is at the request of the Ambassador, so you may already be aware of the visit.

Chairman Jaczko and Ms. Coggins are traveling on TAs processed by NRC. Therefore, their hotel should be paid by their government credit cards, not under the purchase order that we have. However, we would appreciate it if you could make a reservation for them at the (b)(6) for one night (we believe they are departing Tokyo on Tuesday morning). I realize it is short notice, but do you think we could arrange for airport pickup for them? If not, please give me a call and we can talk about other options.

I assume that the NRC team on the ground is aware that the Chairman is traveling and that the NRC team is putting together his schedule.

I'm here all night, so call me when it is convenient.

Chris

Justin Sherman / Chris Leonardo
Deputy Manager for Operations

Pacific Tsunami Response Management Team
RMTPACTSU DMO@ofda.gov
202-712-0039

From: Jaczko, Gregory
Sent: Tuesday, March 29, 2011 4:40 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: 0430 EDT (March 29, 2011) USNRC Earthquake/Tsunami Status Update
Attachments: NRC Status Update 3.29.11--0430.pdf

From: LIA07 Hoc
Sent: Tuesday, March 29, 2011 4:39:00 AM
Cc: LIA07 Hoc
Subject: 0430 EDT (March 29, 2011) USNRC Earthquake/Tsunami Status Update
Auto forwarded by a Rule

Attached, please find a 0430 EDT (March 29, 2011) status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

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
LIA07.HOC@nrc.gov (Operations Center)
James.anderson@nrc.gov

From: Jaczko, Gregory
Sent: Tuesday, March 29, 2011 6:36 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: 1800 EDT (March 29, 2011) USNRC Earthquake/Tsunami Status Update
Attachments: USNRC Earthquake-Tsunami Update.032911.1800EDT.pdf

From: LIA07 Hoc
Sent: Tuesday, March 29, 2011 6:35:52 PM
Subject: 1800 EDT (March 29, 2011) USNRC Earthquake/Tsunami Status Update
Auto forwarded by a Rule

Attached, please find a 1800 EDT, March 29, 2011 status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

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: Jaczko, Gregory
Sent: Wednesday, March 30, 2011 4:43 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: 0430 EDT (March 30, 2011) USNRC Earthquake/Tsunami Status Update
Attachments: NRC Status Update 3.30.11--0430.pdf

From: LIA07 Hoc
Sent: Wednesday, March 30, 2011 4:42:33 AM
Cc: LIA07 Hoc
Subject: 0430 EDT (March 30, 2011) USNRC Earthquake/Tsunami Status Update
Auto forwarded by a Rule

Attached, please find a 0430 EDT (March 30, 2011) status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

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
LIA07.HOC@nrc.gov (Operations Center)
james.anderson@nrc.gov

From: Pace, Patti
Sent: Wednesday, March 30, 2011 5:45 AM
To: Monninger, John
Subject: Fw: 2 VIP NRC travelers
Attachments: image001.png

Hi John,

After your email yesterday morning, Josh followed up with Natalya. I think everything is ok.
I'm up at "John o'clock" working on my homework. :) Hope you have a good evening and see you next week maybe??

Thanks
Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: Johnson, Natalya (DCHA/OFDA) <njohnson@USAID.GOV>
To: Batkin, Joshua; njohnson <njohnson@ofda.gov>; OFDAGOV: RMTPACTSU_DMO <RMTPACTSU_DMO@ofda.gov>; Coggins, Angela; Pace, Patti; Foggie, Kirk; Emche, Danielle
Cc: OFDAGOV: RMTPACTSU_AC <RMTPACTSU_AC@ofda.gov>; Casto, Chuck; OFDAGOV: Brown, Courtney <cobrown@ofda.gov>; OFDAGOV: Berger, William <wberger@ofda.gov>
Sent: Tue Mar 29 09:04:17 2011
Subject: Re: 2 VIP NRC travelers

Mr. Batkin,

Thank you for the confirmation. This closes the loop.

Regards
Natalya

From: Batkin, Joshua <Joshua.Batkin@nrc.gov>
To: njohnson; OFDAGOV: RMTPACTSU_DMO; Coggins, Angela <Angela.Coggins@nrc.gov>; Pace, Patti <Patti.Pace@nrc.gov>; Foggie, Kirk <Kirk.Foggie@nrc.gov>; Emche, Danielle <Danielle.Emche@nrc.gov>
Cc: OFDAGOV: RMTPACTSU_AC; Casto, Chuck <Chuck.Cast@nrc.gov>; OFDAGOV: Brown, Courtney; OFDAGOV: Berger, William; Johnson, Natalya (DCHA/OFDA)
Sent: Tue Mar 29 07:59:32 2011
Subject: Re: 2 VIP NRC travelers
My understanding is that both travelers paid for their lodging with their NRC travel cards for reimbursement on their NRC TAs. Thank you for the logistical support making the reservations and with motorpool. Josh

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Johnson, Natalya <njohnson@ofda.gov>
To: RMTPACTSU_DMO <RMTPACTSU_DMO@ofda.gov>; Coggins, Angela; Pace, Patti; Batkin, Joshua; Foggie, Kirk; Emche, Danielle
Cc: RMTPACTSU_AC <RMTPACTSU_AC@ofda.gov>; Casto, Chuck; Brown, Courtney <cobrown@ofda.gov>; Berger,

William <wberger@ofda.gov>; Johnson, Natalya (DCHA/OFDA) [USAID] <njohnson@USAID.GOV>

Sent: Tue Mar 29 06:47:55 2011

Subject: RE: 2 VIP NRC travelers

Good morning,

This is to follow up on the lodging charges incurred by NRC Chairman Jaczko and Angela Coggins during their visit in Tokyo on Monday, March 28. As per request from RMT in Washington, DART made reservations for them at the Okura Hotel, to ensure they both receive USG-negotiated rate as well as VIP preferential check-in treatment. As per prior conversations with RMT/DMO, it was mutually understood that NRC was facilitating travel arrangements for these individuals through preparation and financing of their Travel Authorizations. OFDA/DART's role was viewed only as facilitator of lodging and motorpool arrangements with the Embassy GSO and Hotel Management.

(b)(5)

Thank you in advance for clarifying this matter.

Regards,
~Natalya

From: RMTFACTSU_DMO

Sent: Sunday, March 27, 2011 9:15 AM

To: Johnson, Natalya; Johnson, Natalya (DCHA/OFDA) [USAID]

Cc: RMTFACTSU_DMP; RMTFACTSU_AC; RMTFACTSU_CRC; RMTFACTSU_RM; Casto, Chuck; Brown, Courtney; Amy Sink; Beed, John [USAID]; 'yamakirx@state.gov' (yamakirx@state.gov); DARTFACTSU_MDRO2; DARTFACTSU_MDRO; Berger, William

Subject: 2 VIP NRC travelers

Hi Natalya,

Good morning! It looks like there will be two VIP travelers from NRC arriving in Tokyo via Heathrow on Monday, March 28 at 9:30 am on Virgin Atlantic flight 900. Ward Miller is our night shift CRC and he has kindly agreed to process the eccs for the two travelers – NRC Chairman Gregory Jaczko and NRC Policy Director Angela Coggins. I believe their travel is at the request of the Ambassador, so you may already be aware of the visit.

Chairman Jaczko and Ms. Coggins are traveling on TAs processed by NRC. Therefore, their hotel should be paid by their government credit cards, not under the purchase order that we have. However, we would appreciate it if you could

make a reservation for them at the (b)(6) for one night (we believe they are departing Tokyo on Tuesday morning). I realize it is short notice, but do you think we could arrange for airport pickup for them? If not, please give me a call and we can talk about other options.

I assume that the NRC team on the ground is aware that the Chairman is traveling and that the NRC team is putting together his schedule.

I'm here all night, so call me when it is convenient.

Chris

Justin Sherman / Chris Leonardo
Deputy Manager for Operations
Pacific Tsunami Response Management Team
RMTPACTSU DMO@ofda.gov
202-712-0039

From: Jaczko, Gregory
Sent: Wednesday, March 30, 2011 7:02 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Updates for Go Book - 0630 EDT March 30, 2011
Attachments: NRC Status Update 3.30.11--0430.pdf; ET Chronology 3-30-11 0600.pdf; TEPCO Press Release 214.pdf; TEPCO Press Release 215.pdf; TEPCO Press Release 212.pdf; TEPCO Press Release 213.pdf

From: Batkin, Joshua
Sent: Wednesday, March 30, 2011 7:02:00 AM
To: Jaczko, Gregory
Subject: Fw: Updates for Go Book - 0630 EDT March 30, 2011
Auto forwarded by a Rule

I've got this all printed out for you

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Jaczko, Gregory
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Sent: Wed Mar 30 06:32:49 2011
Subject: FW: Updates for Go Book - 0630 EDT March 30, 2011

From: LIA07 Hoc
Sent: Wednesday, March 30, 2011 6:32:23 AM
To: LIA07 Hoc; Borchardt, Bill; Bradford, Anna; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael
Subject: Updates for Go Book - 0630 EDT March 30, 2011
Auto forwarded by a Rule

Please find attached updated information for the "Go Books."

The updates include:

- The latest Status Update (0430 EDT, March 30, 2011)
- The latest ET Chronology
- The latest TEPCO Press Releases (212-215)

Please let me know if you have any questions or concerns.

-Jim

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

From: LIA07 Hoc
Sent: Wednesday, March 30, 2011 7:16 AM
To: Gibbs, Catina
Cc: Speiser, Herald; Bradford, Anna
Subject: RE: Go Book Update

Yes. We will bring it over now.

From: Gibbs, Catina
Sent: Wednesday, March 30, 2011 7:14 AM
To: LIA07 Hoc
Cc: Speiser, Herald; Bradford, Anna
Subject: RE: Go Book Update

Can you please have it delivered.

Thanks,

Catina M. Gibbs
Admin. Assistant to
Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1750 (office)
301-415-3504 (fax)

From: LIA07 Hoc
Sent: Wednesday, March 30, 2011 7:09 AM
To: Gibbs, Catina
Cc: Speiser, Herald; Bradford, Anna
Subject: RE: Go Book Update

Yes. We do have a updated book here in the Ops Ctr. Do you want to pick it up or be delivered to Chairman's Office?

From: Gibbs, Catina
Sent: Wednesday, March 30, 2011 7:04 AM
To: LIA07 Hoc
Cc: Speiser, Herald; Bradford, Anna
Subject: RE: Go Book Update

Good morning, can we please get another up to date Go Book for Chairman Jaczko.

Thanks,

Catina M. Gibbs
Admin. Assistant to
Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission

301-415-1750 (office)
301-415-3504 (fax)

From: LIA07 Hoc

Sent: Wednesday, March 30, 2011 6:39 AM

To: Borchardt, Bill; Bradford, Anna; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Spelser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael

Subject: Go Book Update

Please find attached the 0600 3/30/11 One-Pager

Thank you,

Jim Anderson

LIA07.hoc@nrc.gov

From: Jaczko, Gregory
Sent: Wednesday, March 30, 2011 8:27 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Updates for Go Book - 0820 EDT March 30, 2011
Attachments: ET Chronology 3-30-11 0600.pdf; March 30 0600 EDT one pager.pdf

From: LIA07 Hoc
Sent: Wednesday, March 30, 2011 8:26:43 AM
To: LIA07 Hoc; Borchardt, Bill; Bradford, Anna; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael
Subject: Updates for Go Book - 0820 EDT March 30, 2011
Auto forwarded by a Rule

Please find attached updated information for the "Go Books."

The updates include:

- The latest ET Chronology (for the last 24 hours)
- The latest One Pager (0600 EDT March 30)

Please let me know if you have any questions or concerns.

Yen Chen
Office of Nuclear Security and Incident Response
US Nuclear Regulatory Commission
LIA07.HOC@nrc.gov (Operations Center)

From: LIA07 Hoc
Sent: Wednesday, March 30, 2011 2:03 PM
To: Speiser, Herald
Subject: Per your request: Ops Ctr Status Updates in Word
Attachments: USNRC Earthquake-Tsunami Update.032711.0430EDT.docx; USNRC Earthquake-Tsunami Update 033011 0430EDT.docx; USNRC Earthquake-Tsunami Update.032911.1800EDT.docx; USNRC Earthquake-Tsunami Update 032911 0430EDT.docx; USNRC Earthquake-Tsunami Update.032811.1800EDT.docx; USNRC Earthquake-Tsunami Update.032811.0430EDT.docx; USNRC Earthquake-Tsunami Update.032711.1800EDT.docx

Herald:

Attached are the daily Status Updates since March 27 in Word. Let me know if you need earlier updates.

As discussed, I will add Catina, Patti, and you to the list to receive the updates in Word.

Yen

From: LIA07 Hoc
Sent: Wednesday, March 30, 2011 7:17 PM
To: Speiser, Herald
Subject: RE: Date of 1st status update
Attachments: USNRC Japan SitRep.031211.1330EST.docx; USNRC Earthquake-Tsunami Update.031411.2200EDT.docx; USNRC Earthquake-Tsunami Update.031211.1830EST.docx; USNRC Earthquake-Tsunami Update.031211.2330EST.docx; USNRC Earthquake-Tsunami Update.031211.0730EST.docx; USNRC Earthquake-Tsunami Update.031311.1400EDT.docx; USNRC Earthquake-Tsunami Update.031311.2000EDT.docx; USNRC Earthquake-Tsunami Update.031311.2200EDT.docx; USNRC Earthquake-Tsunami Update.031311.2230EDT.docx; USNRC Earthquake-Tsunami Update.031411.0430EDT.docx; USNRC Earthquake-Tsunami Update.031411.0600EDT.docx; USNRC Earthquake-Tsunami Update.031411.1330EDT.docx; Sitrep.031211.0400.docx; Sitrep.031211.1330.docx; Sitrep.031211.0900.docx

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Follow up

Herald,
Please see the attached. The format of the update changed for a bit the first night, so those don't look like the rest.
Let me know if you need anything else!
-Sara

From: Speiser, Herald
Sent: Wednesday, March 30, 2011 6:34 PM
To: LIA07 Hoc
Subject: Date of 1st status update

We do not have any status updates between March 11, 2011 @ 1330 hrs and March 14, 2011 @ 2200 hrs. My apologies if I have not properly retained these copies. May I request an email copy of the status updates between those 2 dates to complete our book?

Thanks.

Herald

Herald M. Speiser - (301) 415-1830
Administrative Assistant

**Office of the Chairman
Nuclear Regulatory Commission
11555 Rockville Pike
Mailstop: O-16G4
Rockville, MD 20852**

From: Pace, Patti
Sent: Thursday, March 31, 2011 7:59 AM
To: LIA01 Hoc
Subject: FW: NRC Spent Fuel Storage Safety White Paper

I was not on the original distribution list. Can I receive a copy of the NRC Spent Fuel Storage White Paper ASAP? Need to print to send with someone to deliver to the Chairman this morning.

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Speiser, Herald
Sent: Thursday, March 31, 2011 7:55 AM
To: Pace, Patti
Subject: FW: NRC Spent Fuel Storage Safety White Paper

Herald M. Speiser - (301) 415-1830
Administrative Assistant
Office of the Chairman
Nuclear Regulatory Commission
11555 Rockville Pike
Mallstop: O-16G4
Rockville, MD 20852

From: Batkin, Joshua
Sent: Wednesday, March 30, 2011 9:04 PM
To: Gibbs, Catina; Speiser, Herald
Cc: Bradford, Anna
Subject: FW: NRC Spent Fuel Storage Safety White Paper

Can you please get another copy of this document to someone coming down for the hearing in the morning?

From: Gibbs, Catina
Sent: Tuesday, March 29, 2011 11:11 AM
To: Batkin, Joshua
Subject: RE: NRC Spent Fuel Storage Safety White Paper

Waiting for you at my desk.

From: Batkin, Joshua
Sent: Tuesday, March 29, 2011 11:08 AM
To: Gibbs, Catina
Cc: Coggins, Angela
Subject: Fw: NRC Spent Fuel Storage Safety White Paper

Please print a couple copies of the email and attachment.

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: LIA06 Hoc
To: Snodderly, Michael; Orders, William; Castleman, Patrick; Marshall, Michael; Hipschman, Thomas; Franovich, Mike
Cc: Batkin, Joshua; LIA08 Hoc
Sent: Sun Mar 27 22:15:04 2011
Subject: FW: NRC Spent Fuel Storage Safety White Paper

Attached is the NRC white paper on spent fuel storage safety (b)(5)

Note: The paper states "... spent fuel must be stored wet in storage pools for at least three years until it is sufficiently cool to permit dry storage." As the attached e-mail from Brian Sheron explains, the paper states that because that is the shortest time a discharged fuel assembly has ever been approved for loading in a dry cask. The regulations (10 CFR Part 72) actually specify a minimum cool time of 1 year, and the general practice has been a minimum of 5 years.

Marissa Bailey
Liaison Team Director
U.S. Nuclear Regulatory Commission
Operations Center

From: LIA01 Hoc
Sent: Sunday, March 27, 2011 8:41 PM
To: LIA06 Hoc
Subject: FW: NRC Spent Fuel Storage Safety White Paper

From: LIA01 Hoc
Sent: Sunday, March 27, 2011 2:44 PM
To: (b)(6)
Subject: NRC Spent Fuel Storage Safety White Paper

Attached please find the NRC white paper on spent fuel storage safety. If you could confirm receipt to this email that would be appreciated.

Federal Liaison Team
301-816-5186

From: Pace, Patti
Sent: Thursday, March 31, 2011 8:02 AM
To: Bradford, Anna; Speiser, Herald
Subject: FW: NRC Spent Fuel Storage Safety White Paper
Attachments: 03-27-0900 spent fuel storage safety_RST_0327_0900FINALVERSION.docx

In case it comes up again.

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: LIA01 Hoc
Sent: Thursday, March 31, 2011 8:01 AM
To: Pace, Patti
Subject: FW: NRC Spent Fuel Storage Safety White Paper

From: LIA01 Hoc
Sent: Sunday, March 27, 2011 2:44 PM
To: (b)(6)
Subject: NRC Spent Fuel Storage Safety White Paper

Attached please find the NRC white paper on spent fuel storage safety. If you could confirm receipt to this email that would be appreciated.

Federal Liaison Team
301-816-5186

From: Pace, Patti
Sent: Thursday, March 31, 2011 8:48 AM
To: LIA01 Hoc
Subject: RE: NRC Spent Fuel Storage Safety White Paper

Thank you!

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: LIA01 Hoc
Sent: Thursday, March 31, 2011 8:01 AM
To: Pace, Patti
Subject: FW: NRC Spent Fuel Storage Safety White Paper

From: LIA01 Hoc
Sent: Sunday, March 27, 2011 2:44 PM
To: (b)(6)
Subject: NRC Spent Fuel Storage Safety White Paper

Attached please find the NRC white paper on spent fuel storage safety. If you could confirm receipt to this email that would be appreciated.

Federal Liaison Team
301-816-5186

From: Pace, Patti
Sent: Thursday, March 31, 2011 9:31 AM
To: Vietti-Cook, Annette
Cc: Champ, Billie
Subject: RE: eWASH WH0160

Good Morning,

Yes, we received notice of this meeting directly. The Chairman does plan to participate.

Thanks for following up.

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Vietti-Cook, Annette
Sent: Thursday, March 31, 2011 9:29 AM
To: Pace, Patti
Cc: Champ, Billie
Subject: FW: eWASH WH0160

Did you get notice of principals meeting tomorrow? I assume Chairman will participate

From: Champ, Billie
Sent: Thursday, March 31, 2011 5:04 AM
To: Jaczko, Gregory
Cc: Batkin, Joshua; Coggins, Angela; Brenner, Eliot; Hayden, Elizabeth; Borchardt, Bill; Virgilio, Martin; Weber, Michael; Svinicki, Kristine; Sharkey, Jeffrey; Apostolakis, George; Sosa, Belkys; Bubar, Patrice; Magwood, William; Ostendorff, William; Nieh, Ho; Burns, Stephen; Rothschild, Trip; Doane, Margaret; Mamish, Nader; LIA02 Hoc; LIA06 Hoc; LIA03 Hoc; LIA08 Hoc; Bates, Andrew; Vietti-Cook, Annette; Bradford, Anna; ETO5.hoc@nrc.gov; Loyd, Susan
Subject: FW: eWASH WH0160

I have attached for your information eWASH WH0160---Principals Committee Meeting on Japan

From: Jaczko, Gregory
Sent: Thursday, March 31, 2011 6:07 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Go Book Update - 1800 EDT, March 31, 2011
Attachments: USNRC Earthquake-Tsunami Update.033111.1800EDT.pdf; March 31 1500 EDT one pager.docx; TEPCO Press Release 238.pdf; TEPCO Press Release 231.pdf; TEPCO Press Release 234.pdf; TEPCO Press Release 233.pdf; TEPCO Press Release 232.pdf; TEPCO Press Release 235.pdf; TEPCO Press Release 236.pdf; TEPCO Press Release 237.pdf; ET Chronology 3-31-11 1800.pdf

From: LIA07 Hoc
Sent: Thursday, March 31, 2011 6:06:51 PM
To: Borchardt, Bill; Bradford, Anna; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael
Subject: Go Book Update - 1800 EDT, March 31, 2011
Auto forwarded by a Rule

Attached, please find updated information for the "Go Books".

The updates include:

- The 1800 EDT, 03/31/11 Status Update
- The latest ET Chronology
- The latest "One Pager" (1500 EDT, 03/31/11)
- TEPCO Press Releases (231-238)

Please let me know if you have any questions or concerns.

-Sara

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

From: LIA07 Hoc
Sent: Friday, April 01, 2011 6:59 AM
To: Gibbs, Catina
Cc: Speiser, Herald
Subject: RE: Go Book Update - 0600 EDT, April 1, 2011
Attachments: ET Chronology 4-1-11 0600EDT short.pdf

Here you go.

From: Gibbs, Catina
Sent: Friday, April 01, 2011 6:52 AM
To: LIA07 Hoc
Cc: Speiser, Herald
Subject: RE: Go Book Update - 0600 EDT, April 1, 2011

Please resend Chronology attachment, as the one attached to this email is 91 pages long.

Thanks,

Catina M. Gibbs
Admin. Assistant to
Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1750 (office)
301-415-3504 (fax)

From: LIA07 Hoc
Sent: Friday, April 01, 2011 6:03 AM
To: LIA07 Hoc; Borchardt, Bill; Bradford, Anna; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Spelser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgillo, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael
Subject: Go Book Update - 0600 EDT, April 1, 2011

Attached, please find updated information for the "Go Books".

The updates include:

- The 0430 EDT, 04/01/11 Status Update
- The latest ET Chronology
- TEPCO Press Releases (239-243)

Please let me know if you have any questions or concerns.

-Jim

Jim Anderson

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

From: Jaczko, Gregory
Sent: Friday, April 01, 2011 4:55 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: One Pager - 1500 EDT April 1, 2011
Attachments: April 1 1500 EDT one pager.docx

From: LIA07 Hoc
Sent: Friday, April 01, 2011 4:55:17 PM
To: Batkin, Joshua; Borchardt, Bill; Bradford, Anna; Coggins, Angela; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael
Subject: One Pager - 1500 EDT April 1, 2011
Auto forwarded by a Rule

Attached is the "one pager" for 1500 EDT, April 1, 2011. .
Please let me know if there are questions or concerns.
-Sara

Sara K. Mroz
Executive Briefing Team Coordinator
LIA07.HOC@nrc.gov (Operations Center)

From: Jaczko, Gregory
Sent: Saturday, April 02, 2011 6:16 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Go Book Update - 0600 EDT, April 2, 2011
Attachments: NRC Status Update 4.2.11--0430.pdf; TEPCO Press Release 246.pdf; ET Chronology 4-2-11 0600.pdf

From: LIA07 Hoc
Sent: Saturday, April 02, 2011 6:16:06 AM
To: LIA07 Hoc; Batkin, Joshua; Borchardt, Bill; Bradford, Anna; Coggins, Angela; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael
Subject: Go Book Update - 0600 EDT, April 2, 2011
Auto forwarded by a Rule

Attached, please find updated information for the "Go Books".

The updates include:

- The 0430 EDT, 04/02/11 Status Update
- The latest ET Chronology
- TEPCO Press Release (246)

Please let me know if you have any questions or concerns.

-Jim

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

From: Marshall, Michael
Sent: Sunday, April 03, 2011 10:55 AM
To: Pace, Patti
Subject: RE: Go Book Update: April 3 0700 EDT One Pager

Done

From: Pace, Patti
Sent: Sunday, April 03, 2011 8:46 AM
To: Marshall, Michael
Subject: Fw: Go Book Update: April 3 0700 EDT One Pager

Could you please print this for the Chairman's briefing book on Japan? Thanks
Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: LIA07 Hoc
To: Batkin, Joshua; Borchardt, Bill; Bradford, Anna; Coggins, Angela; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael
Sent: Sun Apr 03 07:08:24 2011
Subject: Go Book Update: April 3 0700 EDT One Pager

Attached, please find the April 3, 0700 EDT One Pager for the "Go Book" update.

Please let me know if you have any questions or concerns.

Yen

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

From: Jaczko, Gregory
Sent: Sunday, April 03, 2011 4:55 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: 0430 EDT (April 3, 2011) USNRC Earthquake/Tsunami Status Update
Attachments: USNRC Earthquake-Tsunami Update.040311 0430EDT.pdf

From: LIA07 Hoc
Sent: Sunday, April 03, 2011 4:51:05 AM
To: LIA07 Hoc
Subject: 0430 EDT (April 3, 2011) USNRC Earthquake/Tsunami Status Update
Auto forwarded by a Rule

Attached, please find a 0430 EDT, April 3, 2011 status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

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

Yen Chen
Executive Briefing Team Coordinator
Office of Nuclear Security and Incident Response
US Nuclear Regulatory Commission
LIA07.HOC@nrc.gov (Operations Center)

From: Marshall, Michael
Sent: Sunday, April 03, 2011 10:54 AM
To: Pace, Patti
Subject: RE: Go Book Update - 0600 EDT, April 3, 2011

Done

From: Pace, Patti
Sent: Sunday, April 03, 2011 8:48 AM
To: Marshall, Michael
Subject: Fw: Go Book Update - 0600 EDT, April 3, 2011

Could you please print just the 0430 EDT status update for Chairman's Japan book? Thanks
Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: LIA07 Hoc
To: Batkin, Joshua; Borchardt, Bill; Bradford, Anna; Coggins, Angela; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael
Sent: Sun Apr 03 06:15:01 2011
Subject: Go Book Update - 0600 EDT, April 3, 2011

Attached, please find updated information for the "Go Books".

The updates include:

- The 0430 EDT, 04/03/11 Status Update
- The latest ET Chronology
- TEPCO Press Release (252-256)

Please let me know if you have any questions or concerns.

Yen

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

From: Jaczko, Gregory
Sent: Sunday, April 03, 2011 10:32 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: "Go Book" Update - 2200 EDT, April 3, 2011
Attachments: April 4 2200 EDT CA Brief one pager .pdf; NRC Status Update 04.03.11--1800EDT.pdf; ET Chronology 4-3-11 2200.pdf; TEPCO Press Release 257.pdf; TEPCO Press Release 258.pdf

From: LIA07 Hoc
Sent: Sunday, April 03, 2011 10:32:16 PM
To: Batkin, Joshua; Borchardt, Bill; Bradford, Anna; Coggins, Angela; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael
Subject: "Go Book" Update - 2200 EDT, April 3, 2011
Auto forwarded by a Rule

Attached please find updated information for the "Go Books".

The updates include:

- 2200 EDT, 04/03/11 One-pager
- 1800 EDT, 04/03/11 Status Update
- Latest ET Chronology
- TEPCO Press Releases (257-258)

Please let me know if you have any questions or concerns.

Nichole Glenn
Executive Briefing Team Coordinator
US Nuclear Regulatory Commission
LIA07.HOC@nrc.gov (Operations Center)

From: Jaczko, Gregory
Sent: Monday, April 04, 2011 5:45 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: 1800 EDT (April 4, 2011) USNRC Earthquake/Tsunami Status Update
Attachments: USNRC Earthquake-Tsunami Update 040411 1800EDT.pdf

From: LIA07 Hoc
Sent: Monday, April 04, 2011 5:45:09 PM
To: LIA07 Hoc
Subject: 1800 EDT (April 4, 2011) USNRC Earthquake/Tsunami Status Update
Auto forwarded by a Rule

Attached, please find the 1800 EDT, April 4, 2011 status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

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

Yen Chen
Executive Briefing Team Coordinator
US Nuclear Regulatory Commission
LIA07.HOC@nrc.gov (Operations Center)

From: Jaczko, Gregory
Sent: Tuesday, April 05, 2011 7:49 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Go Book Chronology
Attachments: Pages 1-6 ET Chronology 4-05-11 1800EDT.pdf

From: LIA07 Hoc
Sent: Tuesday, April 05, 2011 7:48:34 PM
To: Batkin, Joshua; Borchardt, Bill; Bradford, Anna; Coggins, Angela; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael
Subject: Go Book Chronology
Auto forwarded by a Rule

Please use this chronology rather than the one that was sent out earlier (it was the full chronology, not just the latest few pages.)

Sorry for any confusion!

-Sara

From: Jaczko, Gregory
Sent: Tuesday, April 05, 2011 10:57 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Go Book Update - 2300 EDT, April 5, 2011
Attachments: April 5 2200 EDT Brief one pager.pdf

From: LIA07 Hoc
Sent: Tuesday, April 05, 2011 10:56:25 PM
To: LIA07 Hoc; Batkin, Joshua; Borchardt, Bill; Bradford, Anna; Coggins, Angela; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael
Subject: Go Book Update - 2300 EDT, April 5, 2011
Auto forwarded by a Rule

Attached, please find updated information for the "Go Books".

The update includes:

- The 2200 EDT, 04/05/11 One Pager/Briefing Sheet

Please let me know if you have any questions or concerns.

-Jim

Jim Anderson
Executive Briefing Team Coordinator
US Nuclear Regulatory Commission
LIA07.HOC@nrc.gov (Operations Center)
James.anderson@nrc.gov

From: Jaczko, Gregory
Sent: Wednesday, April 06, 2011 6:27 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Go Book Update - 0600 EDT, April 6, 2011
Attachments: NRC Status Update 4.06.11--0430EDT.pdf; TEPCO Press Release 276.pdf; TEPCO Press Release 275.pdf; TEPCO Press Release 277.pdf; Pages 1-5 ET Chronology 4-06-11 0600EDT.pdf; April 6 0600 EDT Brief one pager.pdf

From: LIA07 Hoc
Sent: Wednesday, April 06, 2011 6:27:00 AM
To: LIA07 Hoc; Batkin, Joshua; Borchardt, Bill; Bradford, Anna; Coggins, Angela; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael
Subject: Go Book Update - 0600 EDT, April 6, 2011
Auto forwarded by a Rule

Attached, please find updated information for the "Go Books".

The update includes:

- The 0430 EDT, 04/06/11 Status Update
- The 0600 EDT, 04/06/11 One Pager/Briefing Sheet
- The latest ET Chronology
- TEPCO Press Releases (275-277)

Please let me know if you have any questions or concerns.

-Jim

Jim Anderson
Executive Briefing Team Coordinator
US Nuclear Regulatory Commission
LIA07.HOC@nrc.gov (Operations Center)
James.anderson@nrc.gov

From: Bradford, Anna
Sent: Thursday, April 07, 2011 11:18 AM
To: Pace, Patti
Subject: FW: 1600 EST USNRC Earthquake/Tsunami Status Update
Attachments: Earthquake-TsunamiUpdate.031111.1600EST.docx

Importance: High

This is the first email that I have. So they started sending out sitrep reports to all the Commission offices that day.

Anna Bradford
Policy Advisor for Nuclear Materials
Office of Chairman Jaczko
U.S. Nuclear Regulatory Commission
301-415-1827

From: Pace, Patti
Sent: Friday, March 11, 2011 5:10 PM
To: Adler, James; Bradford, Anna; Clark, Lisa; Dhir, Neha; Fopma, Melody; Gibbs, Catina; Hipschman, Thomas; Marshall, Michael; Montes, David; Pearson, Laura; Speiser, Herald; Batkin, Joshua; Coggins, Angela; Loyd, Susan; Monninger, John
Subject: FW: 1600 EST USNRC Earthquake/Tsunami Status Update
Importance: High

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

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, Jeffry; Harrington, Holly; Dyer, Jim; Maier, Bill; Howell, Linda; midpsualum@yahoo.com; 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

From: Pace, Patti
Sent: Thursday, April 07, 2011 5:45 PM
To: Johnson, Alfred; Anderson, Amanda D.
Subject: RE: Chief of Staff Daley's Scheduler?

Dear Mr. Johnson and Ms. Anderson,

Chairman Jaczko respectfully requests a brief meeting with Chief of Staff Daley to discuss a Commission issue, not related to Japan. The Chairman's Chief of Staff, Josh Batkin, would be able to speak to you regarding the topic. Would it be possible to schedule a 15 minute meeting for the Chairman and Mr. Daley sometime in the next week?

Many thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Alhassani, Mehdi K. [mailto:(b)(6)]
Sent: Thursday, April 07, 2011 5:37 PM
To: Pace, Patti
Cc: Johnson, Alfred; Anderson, Amanda D.
Subject: RE: Chief of Staff Daley's Scheduler?

Sure. Alfred Johnson and Amanda Anderson can help you here. CC'ed on the email.

Mehdi

From: Pace, Patti [mailto:Patti.Pace@nrc.gov]
Sent: Thursday, April 07, 2011 5:32 PM
To: Alhassani, Mehdi K.
Subject: Chief of Staff Daley's Scheduler?

Dear Mehdi,

Can you help me get in touch with Mr. Daley's scheduler? Chairman Jaczko would like to request a meeting with him.

Thanks!

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Jaczko, Gregory
Sent: Thursday, April 07, 2011 5:51 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: USNRC Earthquake/Tsunami Status Update: 0430 EDT, April 7, 2011
Attachments: USNRC Earthquake-Tsunami Update 040711 1800EDT update.pdf

From: LIA07 Hoc
Sent: Thursday, April 07, 2011 5:50:18 PM
To: LIA07 Hoc
Subject: USNRC Earthquake/Tsunami Status Update: 0430 EDT, April 7, 2011
Auto forwarded by a Rule

Attached, please find a 1800 EDT, April 7, 2011 status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

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

Yen Chen
Executive Briefing Team Coordinator
US Nuclear Regulatory Commission
LIA07.HOC@nrc.gov (Operations Center)

From: Jaczko, Gregory
Sent: Thursday, April 07, 2011 5:58 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Go Book Update: 1800 EDT, April 7, 2011
Attachments: TEPCO Press Release 301.pdf; TEPCO Press Release 292.pdf; TEPCO Press Release 293.pdf; TEPCO Press Release 294.pdf; TEPCO Press Release 295.pdf; TEPCO Press Release 296.pdf; TEPCO Press Release 297.pdf; TEPCO Press Release 298.pdf; TEPCO Press Release 299.pdf; TEPCO Press Release 300.pdf; Pages 1-5 from ET Chronology 4-07-11 1800EDT.pdf; USNRC Earthquake-Tsunami Update 040711 1800EDT update.pdf

From: LIA07 Hoc
Sent: Thursday, April 07, 2011 5:58:01 PM
To: Batkin, Joshua; Borchardt, Bill; Bradford, Anna; Coggins, Angela; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael
Subject: Go Book Update: 1800 EDT, April 7, 2011
Auto forwarded by a Rule

Attached, please find updated information for the "Go Books".

The update includes:

- The 1800 EDT, 04/07/11 Status Update
- The latest ET Chronology
- TEPCO Press Releases (292-301)

Please let me know if you have any questions or concerns.

Yen

Yen Chen
Executive Briefing Team Coordinator
US Nuclear Regulatory Commission
LIA07.HOC@nrc.gov (Operations Center)

From: Jaczko, Gregory
Sent: Friday, April 08, 2011 6:36 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Go Book Update - 0600 EDT, April 8, 2011
Attachments: Pages 1-5 ET Chronology 4.8.11 0600EDT.pdf; NRC Status Update 4.8.11--0430EDT.pdf; April 8 0600 EDT one pager.pdf

From: LIA07 Hoc
Sent: Friday, April 08, 2011 6:36:02 AM
To: LIA07 Hoc; Batkin, Joshua; Borchardt, Bill; Bradford, Anna; Coggins, Angela; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael
Subject: Go Book Update - 0600 EDT, April 8, 2011
Auto forwarded by a Rule

Attached, please find updated information for the "Go Books".

The update includes:

- The 0430 EDT, 04/08/11 Status Update
- The 0600 EDT, 4/8/11 One-pager/Turnover sheet
- The latest ET Chronology
- *There were no new applicable TEPCO press releases since the last update.*

Please let me know if you have any questions or concerns.

-Jim

Jim Anderson
Executive Briefing Team Coordinator
US Nuclear Regulatory Commission
LIA07.HOC@nrc.gov (Operations Center)
James.anderson@nrc.gov

From: Hipschman, Thomas
Sent: Friday, April 08, 2011 10:19 AM
To: Coggins, Angela; Batkin, Joshua; Monninger, John; Bradford, Anna; Marshall, Michael; Warren, Roberta; Pace, Patti; Fopma, Melody; Dhir, Neha; Clark, Lisa; Montes, David; Loyd, Susan
Subject: April 8 Japan Event TA Briefing

Wiggins is ET Director

Plant status is essentially the same

(b)(5)

Looking at longer term staffing for Ops Center and Japan.

Several papers in the works

(b)(5)

(b)(5)

About a 30 second briefing by Bergman.

Thomas Hipschman
Policy Advisor for Reactors
Office of Chairman Gregory B. Jaczko
301-415-1832

From: Jaczko, Gregory
Sent: Friday, April 08, 2011 6:10 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Go Book Update - 1800 EDT, April 8, 2011
Attachments: TEPCO Press Release 302.pdf; TEPCO Press Release 303.pdf; TEPCO Press Release 304.pdf; TEPCO Press Release 305.pdf; TEPCO Press Release 306.pdf; TEPCO Press Release 307.pdf; TEPCO Press Release 308.pdf; TEPCO Press Release 309.pdf; TEPCO Press Release 310.pdf; USNRC Earthquake-Tsunami Update.040811.1800EDT.pdf; April 8.1500 EDT.pdf; Pages 1-6 from ET Chronology 4-08-11 1800.pdf

From: LIA07 Hoc
Sent: Friday, April 08, 2011 6:10:21 PM
To: Batkin, Joshua; Borchardt, Bill; Bradford, Anna; Coggins, Angela; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Monninger, John; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael
Subject: Go Book Update - 1800 EDT, April 8, 2011
Auto forwarded by a Rule

Attached, please find updated information for the "Go Books".

The updates include:

- The 1800 EDT, 04/08/11 Status Update
- The latest ET Chronology
- The latest "One Pager" (1500 EDT, 04/08/11)
- TEPCO Press Releases (302-310)

Please let me know if you have any questions or concerns.

-Sara

Sara Mroz
Executive Briefing Team Coordinator
Office of Nuclear Security & Incident Response
US Nuclear Regulatory Commission
LIA07.HOC@nrc.gov (Operations Center)



TOKYO ELECTRIC POWER COMPANY

• Contact Us • Site Map • Japanese • Chinese • Korean

Search

Customer Communication

Challenges of TEPCO

Corporate Information

TEPCO News

TEPCO News

News Source for Media

Press Releases

Press Release (Apr 08,2011)

Plant Status of Fukushima Daiichi Nuclear Power Station (as of 1:00 pm, April 8)

*Updates are underlined

All 6 units of Fukushima Daiichi Nuclear Power Station have been shut down.

Unit 1 (Shut down)

- Explosive sound and white smoke were confirmed after the big quake occurred at 3:36 pm on March 12th. It was assumed to be hydrogen explosion.
- At approximately 2:30 am on March 23rd, seawater injection to the nuclear reactor through the feed water system was initiated.
- From 3:37 pm on March 25th, we started injecting freshwater.
- As it is suspected that hydrogen gas is accumulated inside reactor containment vessel, we commenced the valve opening operation concerning injection of nitrogen gas into the reactor container vessel at 10:30 pm April 6th and commenced injection at 1:31am April 7th.

Unit 2 (Shut down)

- At approximately 6:00 am on March 15th, an abnormal noise began emanating from nearby Pressure Suppression Chamber and the pressure within the chamber decreased.
- From 10:10 am on March 26th, we started injecting freshwater to the reactor and are now injecting fresh water by a motor driven pump powered by the off-site transmission line.

Unit 3 (Shut down)

- Explosive sound and white smoke were confirmed at approximately 11:01am March 14th. It was assumed to be hydrogen explosion.
- From 6:02 pm on March 25th, we started injecting fresh water to the reactor and are now injecting fresh water by a motor driven pump powered by the off-site transmission line.

Unit 4 (outage due to regular inspection)

- At approximately 6:00 am on March 15th, we confirmed the explosive sound and the sustained damage around the 5th floor rooftop area of the Nuclear Reactor Building.
- At this moment, we do not consider any reactor coolant leakage inside the reactor happened.

Unit 5 (outage due to regular inspection)

- Sufficient level of reactor coolant to ensure safety is maintained.
- At 5:00 am, March 19th, we started the Residual Heat Removal System Pump (C) in order to cool the spent fuel pool.
- At 2:30 pm, March 20th, the reactor achieved reactor cold shutdown. At around 5:24 pm on March 23rd, when we switched the temporary Residual Heat Removal System Seawater Pump, it has stopped automatically. At around 4:14 pm, March 24th we replaced the pump, and restarted cooling of reactor at around 4:35 pm.
- At this moment, we do not consider any reactor coolant leakage inside the reactor happened.

Unit 6 (outage due to regular inspection)

- Sufficient level of reactor coolant to ensure safety is maintained.
- At 10:14 pm, March 19th, we started the Residual Heat Removal System Pump (B) of Unit 6 in order to cool the spent fuel pool.
- At 7:27 pm, March 20th, the reactor achieved reactor cold shutdown.
- In relation to the two seawater side pumps of the Residual Heat Removal System, we switched the power source from temporary to permanent at 3:38 pm and 3:42 pm, Mar 25 respectively.
- At this moment, we do not consider any reactor coolant leakage inside the reactor happened.

Operation for cooling the spent fuel pools

- From 6:23 pm to 7:40 pm on April 7th, spraying water to Unit 4 by concrete pump vehicle was conducted.
- We will conduct further water spray depending on the conditions of spent fuel pools, if needed.

Draining water from underground floor of turbine buildings

- At 1:55 pm April 3rd, in Unit 1, water transfer from a condensate storage tank to a suppression pool water surge-tank was initiated.
- At 5:10 pm, April 2nd, in Unit 2, water transfer from a condensate storage tank was to a suppression pool water surge-tank was initiated.

Others

- We measured radioactive materials (iodine etc.) inside of the nuclear power station area (outdoor) by monitoring car and confirmed that radioactive materials level is getting higher than ordinary level. As listed below, we have determined that specific incidents stipulated in article 15, clause 1 of Act on Special Measures Concerning Nuclear Emergency Preparedness (Abnormal increase in radiation dose measured at site boundary) have occurred.
- Determined at 4:17 pm Mar 12th (Around Monitoring Post 4)
- Determined at 8:56 am Mar 13th (Around Monitoring Post 4)
- Determined at 2:15 pm Mar 13th (Around Monitoring Post 4)
- Determined at 3:50 am Mar 14th (Around Monitoring Post 6)
- Determined at 4:15 am Mar 14th (Around Monitoring Post 2)
- Determined at 9:27 am Mar 14th (Around Monitoring Post 3)
- Determined at 9:57 pm Mar 14th (Around main entrance)

- Determined at 6:51 am Mar 15th (Around main entrance)
 - Determined at 8:11 am Mar 15th (Around main entrance)
 - Determined at 4:17 pm Mar 15th (Around main entrance)
 - Determined at 11:05 pm Mar 15th (Around main entrance)
 - Determined at 8:58 am Mar 19th (Around MP5)
- From now on, if the measured figure fluctuates and goes above and below 500 micro Sv/h, we deem that as the continuous same event and will not regard that as a new specific incidents stipulated in article 15, clause 1 of the Act on Special Measures Concerning Nuclear Emergency Preparedness (Abnormal increase in radiation dose measured at site boundary) has occurred. In the interim, if we measure a manifestly abnormal figure and it is evident that the event is not the continuous same event, we will determine and notify.
- The national government has instructed evacuation for those local residents within 20km radius of the periphery and evacuation to inside for those residents from 20km to 30km radius of the periphery, because it is possible that radioactive materials are discharged.
 - In total 12 fire engines are lent for the water spraying to the spent fuel pools and water injection to the nuclear reactors by various regional fire departments* as well as Tokyo Fire Department. Also, instruction regarding the setting and operation of large scale decontamination system was provided by Niigata City Fire Headquarter and Hamamatsu City Fire Headquarter.
 - *:Koriyama Fire Department, Iwaki Fire Brigade Headquarters, Fire Headquarters of Sukagawa District Wide Area Fire-fighting Association, Yonezawa City Fire Headquarters, Utsunomiya City Fire Headquarters, Fire Headquarters of Aizu-Wakamatsu wide area municipal association, Saitama City Fire Bureau, and Niigata City Fire Bureau.
 - At around 11:35 am April 1st, a worker fell into the sea when he got into a barge of the U.S. Forces to repair a hose of the ship. The worker was rescued immediately, and was not injured and not contaminated. The worker will be checked using the whole-body counter to ensure his health.
 - From April 2nd, we began to transfer the radioactive water we collected from the Central Environmental Facility to the Unit 4 turbine building. On April 4th, water level of the pit in the trench of Unit 3 increased by 15cm from previous day. Pathway of water flow is unknown. We can not deny the possibility that water in the turbine building of Unit 4 flows into the trench of Unit 3. So, we stopped transferring water to the Unit 4 turbine building to make assurance. Present water level of the pit in the trench of Unit 3 is not changed from the time we stopped transferring, and is being stable.
 - As a countermeasure against outflow of radioactive water into the sea near the cooling water intake at Unit 2 of Fukushima Daiichi Nuclear Power Station, we have injected coagulant into the pit from April 5th and we have observed stoppage of spilling of water from the crack on the concrete lateral of the pit at 5:38 am, April 6th. We have put 6,000 liters of coagulant into the breakage and surrounding ground after investigation of the leakage route by putting tracer into the 9 holes drilled around electrical conduit and the pit. On April 6th, we installed rubber boards and jigs as a countermeasure against the outflow from the intake. We will further investigate if there is any other leakage.
 - From 7:03 pm, April 4, we started to discharge to the sea approximately ten thousand tons of the accumulated low level radioactive water in the Central Radioactive Waste Disposal Facility. From 9:00 pm, April 4, we started to discharge a total of 1,500 tons of the low level radioactive subsurface water stored in the sub drain pits of Unit 5 and 6.
 - From 3:00 pm to 4:30 pm, April 5th, in order to prevent diffusion of radioactive contaminated water out from the site port facility to breakwater area which is south to the power station, we began repair of breakwater by founding the large sandbag around it to replace damaged steel water bar. We will continue the operation to prevent diffusion.
 - At approximately 2:33 pm, April 7th, one of the workers in charge of stuffing sandbags at the soil disposal place at the northern part of the site became ill and was brought to the J-Village. After we confirmed that he was not contaminated by completing the radiation survey of his body, he was brought to Iwaki City Kyoritsu Hospital by an ambulance.
 - We parolled the site due to the earthquake occurred at approximately 11:32 pm on April 7 and have not found any abnormalities.
 - We will continue to take all measures to ensure the safety and to continue monitoring the surrounding environment around the Power Station.

[back to page top](#)



TOKYO ELECTRIC POWER COMPANY

[Contact Us](#)
[Site Map](#)
[Japanese](#)
[Chinese](#)
[Korean](#)
 Search
[Customer Communication](#)[Challenges of TEPCO](#)[Corporate Information](#)[TEPCO News](#)

TEPCO News

News Source for Media

Press Releases

Press Release (Apr 08,2011)

Status of TEPCO's Facilities and its services after the Tohoku-Taiheiyou-Oki Earthquake(as of 4:00PM)

Due to the Tohoku-Taiheiyou-Oki Earthquake which occurred on March 11th 2011, TEPCO's facilities including our nuclear power stations have been severely damaged. We deeply apologize for the anxiety and inconvenience caused.

Below is the status of TEPCO's major facilities.

*new items are underlined

[Nuclear Power Station]

Fukushima Daiichi Nuclear Power Station:

Units 1 to 3: shutdown due to the earthquake

(Units 4 to 6: outage due to regular inspections)

*The national government has instructed the public to evacuate for those local residents within 20km radius of the site periphery and to evacuate voluntarily for those local residents between 20km and 30km radius of the site periphery.

*Off-site power has been connected to Unit 1 to 6 by March 22, 2011.

*The following describes the situation after the magnitude 7.4 earthquake occurred at approximately 11:32 pm in the offshore of Miyagi Prefecture

- No primary parameter has changed in any Units.
- We continue injecting nitrogen gas into the primary containment vessel of Unit 1, as we have found no change of parameters regarding the injection.
- We have not found any significant changes from of the water level of the vertical shaft of the trench.
- We have confirmed no workers are injured in the power station.
- No problem has confirmed as a result of our patrol.

*Unit 1

- The explosive sound and white smoke was confirmed near Unit 1 when the big quake occurred at 3:36 pm, March 12th.
- We started injection of sea water at 8:20 pm, March 12th, and then boric acid which absorbs neutron into the reactor afterwards.
- At approximately 2:30 am, March 23rd, we started the injection of sea water into the reactor from feed water system. After that, the injection of freshwater was started from 3:37 pm on March 25th (switched from the seawater injection). At 8:32 am, Mar 29th, transfer from the fire fighting pump to a temporary motor driven pump was made. From 10:42am to 11:52am on April 3rd we temporarily switched the pump to the fire fighting pump to inject fresh water to use power through off-site transmission line. We're now injecting fresh water to the reactor by a motor driven pump powered by off-site transmission line.
- At approximately 10:50 am on March 24th, white smoke was confirmed arising from the top of the reactor building.
- At approximately 11:30 am, March 24th, lights in the main control room were restored.
- At approximately 5:00 pm, March 24th, draining water from underground floor of turbine buildings into a condenser was started and it was paused at approximately 7:30 am, March 29th because we confirmed that the water level reached almost full capacity of a condenser. In order to move the water in the condenser into a condensate storage tank, water transfer from the condensate storage tank to suppression pool's water surge-tanks was conducted from around 0:00 pm, March 31st to 3:26 pm, April 2nd.
- From 1:03 pm, March 31st, the water spray by the concrete pumping vehicle was started, and finished at 4:04 pm.
- In order to confirm the position of water spray to the spent fuel pool by the concrete pumping vehicle, the water spray was conducted from 5:16 pm to 5:19 pm.
- Some of turbine building lights were turned on April 2nd.
- The water transfer from the condenser to the condensate storage tank has been implemented since 1:55 pm, April 3rd.
- As it is suspected that hydrogen gas may be accumulated inside reactor containment vessel, at 10:30 pm, April 6th, we started the operation of the valve for the injection of nitrogen to the reactor in order to prevent the increase of oxygen density. Following this, the injection of nitrogen to the reactor was started at 1:31AM, April 7th.

*Unit 2

- At 1:25 pm, March 14th, since the Reactor Core Isolation Cooling System has failed, it was determined that a specific incident stipulated in Clause 1, Article 15 of Act on Special Measures Concerning Nuclear Emergency Preparedness occurred (failure of reactor cooling function).
- At 5:17 pm, March 14th, while the water level in the reactor reached the top of the fuel rod, we have restarted the water injection with the valve operation.
- At approximately 6:14 am, March 15th, the abnormal sound was confirmed near the suppression chamber and the pressure inside the chamber decreased afterwards. It was determined that there was a possibility that something happened in the suppression chamber. While sea water injection to the reactor continued, TEPCO employees and workers from other companies not in charge of injection work started tentative evacuation to a safe location.
- Sea water injection to the reactor continued.
- On March 18th, power was delivered up to substation for backup power

through offsite transmission line. We completed laying cable further to unit receiving facility in the building, and at 3:46 pm, March 25th the load-side power panel of the receiving facility started to be energized.

- From approximately 3:05 pm to approximately 5:20 pm on March 25th, about 40 tons of seawater was injected into Unit 2 by TEPCO employees.
- At approximately 6:20 pm on March 21st, white smoke was confirmed arising from the top of the reactor building. As of 7:11 am on March 22nd, smoke decreased to the level where we could hardly confirm.
- From around 4:00 pm to 5:00 pm on March 22nd, approximately 18 tons of sea water was injected into the spent fuel pool by TEPCO employees.
- From 10:10 am on March 26th, freshwater (with boric acid) injection was initiated. (switched from the seawater injection) At 6:31pm, March 27th, transfer from the fire fighting pump to a temporary motor driven pump was made. From 10:22am to 6:06pm on April 3rd, we temporarily switched the pump to the fire fighting pump to inject fresh water to use power through off-site transmission line. We're now injecting fresh water to the reactor by a motor driven pump powered by off-site transmission line.
- From 10:30 am on March 25th, seawater injection through Fuel Pool Cooling and Filtering System was initiated. The work was finished at 12:15 pm, March 25th. From 4:10pm, March 29th, freshwater injection through Fuel Pool Cooling and Filtering System was initiated. (We switched from seawater to freshwater). The work was finished at 6:25 pm on March 29th. At 9:25 am, March 30th, we started fresh water injection by a temporary motor driven pump, but we switched the pump to the fire fighting pump due to the pump trouble. At 1:10 pm, March 30th, freshwater injection was suspended, because we found the crack on a part of the hose. At 7:05 pm, March 30th, freshwater injection was resumed and finished at 11:50 pm, March 31.
- At approximately 4:46 pm, March 26th, lights in the main control room were restored.
- At approximately 4:45 pm, March 29th, the water in a condensate storage tank was being transferred to suppression pool water surge-tanks to prepare for water transfer from a condenser to a condensate storage tank in order to drain water on the underground floor of the turbine building into a condenser. At 11:50 am, April 1st, transfer was completed.
- At 2:56 pm, April 1st, water injection into spent fuel pool in Unit 2 by temporary motor driven pump was initiated. At 5:05 pm on April 1st, the water injection was finished.
- The water transfer from the condenser to the condensate storage tank has been implemented since 5:10 pm, April 2nd.
- Some of turbine building lights were turned on April 2nd.
- At 11:05 am, April 4th, water injection into spent fuel pool in Unit 2 by a temporary motor driven pump was initiated. At 1:37 pm, April 4th, the water injection was finished.
- At 1:29 pm, April 7th, water injection into spent fuel pool in Unit 2 by a temporary motor driven pump was initiated. At 2:34 pm, April 7th, the water injection was finished.

*Unit 3

- At 6:50 am, March 14th, while water injection to the reactor was under operation (injection of boric acid was done on Mar 13th), the pressure in the reactor containment vessel increased to 530 kPa. As a result, at 7:44 am, it was determined that a specific incident stipulated in the Article 15, the Clause 1 of Act on Special Measures Concerning Nuclear Emergency Preparedness occurred (abnormal increase of the pressure of reactor containment vessel). Afterwards, the pressure gradually decreased (as of 9:05 am, 490 kPa).
- At approximately 11:01 am, March 14th, an explosion followed by white smoke occurred near Unit 3. 4 TEPCO employees and 3 workers from other companies (all of them were conscious) sustained injuries and were taken to the hospital by ambulances.
- As the temperature of water in the spent fuel pool rose, spraying water by helicopters with the support of the Self Defense Force was considered. However the operation on March 16th was cancelled.
- At 6:15 am, March 17th, the pressure of the Suppression Chamber temporarily increased, but currently it is stable within certain range. On March 20th, we were preparing to implement measures to reduce the pressure of the reactor containment vessel (partial discharge of air containing radioactive material to outside) in order to fully secure safety. However, at present, it was not a situation to immediately implement measures and discharge air containing radioactive material to outside. We will continue to monitor the status of the pressure of the reactor containment vessel.
- In order to cool spent fuel pool, water was sprayed by helicopters on March 17th with the cooperation of Self-Defense Forces.
- At approximately 7:10 pm, March 17th, Self-Defense Forces and the police started spraying water by water cannon trucks upon our request for the cooperation. At 8:09 pm, March 17th, they finished the operation.
- Before 2:00 pm, March 18th, spraying water by fire engines was started with the cooperation of Self-Defense Forces and the United States Armed Forces. At 2:45 pm, March 18th, the operation was finished.
- At approximately 12:30 am, March 19th, spraying water was started with the cooperation of Fire Rescue Task Forces of Tokyo Fire Department. At approximately 1:10 am, March 19th, the operation was finished. They resumed spraying water at 2:10 pm and finished at approximately 3:40 am, March 20th.
- At approximately 9:30 pm, March 20th, spraying water was started with the cooperation of Fire Rescue Task Forces of Tokyo Fire Department. At approximately 3:58 am, March 21st, the operation was finished.
- At approximately 3:55 pm, March 21st, light gray smoke was confirmed arising from the southeast side of the 5th floor roof of the Unit 3 building. The situation was reported to the fire department at approximately 4:21 pm. The parameters of reactor pressure vessel, reactor containment vessel, and monitored environmental data remained stable without significant change. However, employees working around Unit 3 evacuated to a safe location. On March 22nd, the color of smoke changed to somewhat white and it was slowly dissipating.
- At approximately 3:10 pm on March 22nd, spraying water to Unit 3 by Tokyo Fire Department's Hyper Rescue and Osaka City Fire Department was conducted, and completed at approximately 4:00 pm on the same day.
- At approximately 10:45 pm on March 22nd, lights in the main control room were restored.
- At approximately 11:00 am on March 23rd, the injection of sea water to spent fuel pool was conducted, and finished approximately at 1:20 pm on the same day.
- At 4:20 pm on March 23rd, light gray smoke was observed belching from Unit 3 building. The situation was reported to the fire department at 4:25 pm on March 23rd. The parameters of the reactor, the reactor containment vessel of Unit 3 and monitored figures around the site's immediate surroundings remained stable without significant change. To be safe, workers in the main control room of Unit 3 and around Unit 3 evacuated to a safe location. At approximately 11:30 pm on March 23rd and 4:50 am on March 24th, TEPCO employees confirmed the smoke has disappeared. Accordingly, workers evacuation was lifted.
- From approximately 5:35 am on March 24th, sea water injection through Fuel Pool Cooling and Filtering System was initiated, and finished at approximately 4:05 pm on the same day.
- From 1:28 pm on March 25th, Hyper Rescue team started water spray. The work finished at 4:00 pm on March 25th.
- From 6:02 pm on March 25th, the injection of freshwater to the reactor was started (switched from the seawater injection). At 8:30 pm on March 28th, the injection of fresh water was switched to temporary electricity pumps from the fire engine pumps. From 10:03am to 0:16pm on April 3rd, we temporarily switched the pump to the fire fighting pump to inject fresh water to use power through off-site transmission line. We're now

injecting fresh water to the reactor by a motor driven pump powered by off-site transmission line.

- At approximately 12:34pm March 27th, the injection of water by the concrete pump truck was started. At approximately 2:36 pm, March 27th, the operation was finished.
- At approximately 2:17pm March 29th, the injection of fresh water by the concrete pump truck was started. (Sea water had been injected so far and transfer from seawater to freshwater was made). The water injection was finished at 6:18 PM, March 29th.
- At approximately 5:40 pm, March 28th, the water in a condensate storage tank was being transferred to suppression pool water surge-tanks to prepare for water transfer from a condenser to a condensate storage tank in order to drain water on the underground floor of the turbine building into a condenser. We finished the transfer work at approximately 8:40 am, March 31st.
- From 4:30 pm, March 31st, the water spray by the concrete pumping vehicle was started, and finished at 7:33 pm.
- From 9:52 am, April 2nd, the water spray by the concrete pumping vehicle was started, and finished at 0:54 pm.
- Some of turbine building lights were turned on April 2nd.
- From 5:03 am, April 4th, the water spray by the concrete pumping vehicle was started, and finished at 07:19 pm.
- From 6:53 am, April 7th, water spray by the concrete pumping vehicle was started, and finished at 8:53 am.

*Unit 4

- At approximately 6:00 am, March 15th, an explosive sound was heard and the damage in the 5th floor roof of Unit 4 reactor building was confirmed. At 9:38 am, the fire near the north-west part of 4th floor of Unit 4 reactor building was confirmed. At approximately 11:00 am, TEPCO employees confirmed that the fire was out.
- At approximately 5:45 am on March 16th, a TEPCO employee discovered a fire at the northwest corner of the Nuclear Reactor Building. TEPCO immediately reported this incident to the fire department and the local government and proceeded with the extinction of fire. At approximately 6:15 am, TEPCO staff confirmed at the site that there were no signs of fire.
- At approximately 8:21 am on March 20th, spraying water by fire engines was started with the cooperation of Self-Defense Forces and they finished the operation at approximately 9:40 am. At approximately 6:45 pm spraying water was started by Self-Defenses' water cannon trucks and finished at approximately 7:45 pm.
- At approximately 6:30 am, March 21st, spraying water by fire engines was started with the cooperation of Self-Defense Forces and the United States Armed Forces. At approximately 8:40 am, March 21, they had finished the operation.
- On March 21st, cabling has been completed from temporary substation to the main power center.
- From approximately 5:20 pm on March 22nd, spraying water from the concrete pumping vehicle was conducted and ended at approximately 8:30 pm on the same day.
- From approximately 10:00 am on March 23rd, spraying water from the concrete pumping vehicle was conducted and ended at approximately 1:00 pm on the same day.
- From approximately 2:35 pm on March 24th, spraying water by the concrete pumping vehicle was conducted and ended at approximately 5:30 pm on the same day.
- From 6:05 am on March 25th, seawater injection through Fuel Pool Cooling and Filtering System was initiated and finished at approximately 10:20 am on the same day.
- From 7:05 pm on March 25th, water spray by the concrete pumping vehicle was started and finished at 10:07 pm on March 25th.
- From 4:55 pm on March 27th, water spray by the concrete pumping vehicle was started and finished at 7:25 pm on March 27th.
- At approximately 11:50 am on March 29th, lights in the main control room were restored.
- From 2:04 pm on March 30th, water spray by the concrete pumping vehicle was started and finished at 6:33 pm on March 30th.
- Some of turbine building lights were turned on March 31st.
- From 8:28 am, April 1st, the water spray by the concrete pumping vehicle was started. At 2:14 pm, the water spray finished.
- From 5:14 pm, April 3rd, the water spray by the concrete pumping vehicle was started. At 10:16 pm, the water spray finished.
- From 5:35 pm, April 5th, the water spray by the concrete pumping vehicle was started. At 6:22 pm, the water spray finished.
- From 6:23 pm, April 7th, the water spray by the concrete pumping vehicle was started. At 7:40 pm, the water spray finished.

*Unit 5 and 6

- At 5:00 am on March 19th, we started the Residual Heat Removal System Pump (C) of Unit 5 in order to cool the spent fuel pool. At 10:14 pm, we started the Residual Heat Removal System Pump (B) of Unit 6 in order to cool the spent fuel pool.
- Unit 5 has been in reactor cold shutdown since 2:30 pm on March 20th. Unit 6 has been in reactor cold shutdown since 7:27 pm on March 20th.
- At Units 5 and 6, in order to prevent hydrogen gas from accumulating within the buildings, we have made three holes on the roof of the reactor building for each unit.
- At approximately 5:24 pm on March 23rd, the temporary Residual Heat Removal System Seawater Pump automatically stopped when its power source was switched. We restarted the pump at around 4:14 pm, March 24th, and resumed cooling of reactor at around 4:35 pm.

*On March 18th, regarding the spent fuel in the common spent fuel pool, we have confirmed that the water level of the pool was secured. At around 10:37 am March 21st, water spraying to common spent fuel pool and finished at 3:30 pm. At around 6:05 pm, fuel pool cooling pump was started to cool the pool.

*Common spent fuel pool: a spent fuel pool for common use set in a separate building in a plant site in order to preserve spent fuel which are transferred from the spent fuel pool in each Unit building.

*On March 17th, we patrolled buildings for dry casks and found no signs of abnormal situation for the casks by visual observation. A detailed inspection was under preparation.

*dry cask: a measure to store spent fuel in a dry storage casks in storages. Fukushima Daiichi Nuclear Power Station started to utilize the measure from August 1995.

*On March 21st, 23rd to April 6th we detected technetium, cobalt, iodine, cesium, tellurium, barium, lanthanum and molybdenum from the seawater around the discharge canal of the station. (We are reevaluating)

*On March 20th, 21st, 23rd to April 6th, we detected iodine, cesium, tellurium and ruthenium in the air collected at the site of Fukushima Daiichi Nuclear Power Station. (We are reevaluating)

*Plutonium has been detected from the sample of soil at the site of Fukushima Daiichi Nuclear Power Station collected on 21st, 22nd, 25th and 28th of March. Concentration level of Plutonium detected was same as that of under usual environment and it was thought not to be harmful to human health. We will strengthen environmental monitoring of power station and surrounding environment. Additionally, Iodine, Cesium, Tellurium, Barium, Niobium, Ruthenium,

Molybdenum, Technetium, Lanthanum, Beryllium, Silver have been detected from the sample of soil collected at Fukushima Daiichi Nuclear Power Station on 21st, 22nd, 25th and 28th of March.

*We detected radioactive materials contained in the puddles found in the turbine building of Unit 1 to 4. We are planning to conduct water analysis in preparation for treating the water. The analysis will be carried out in Fukushima Daiichi Nuclear Power Station with support from other nuclear companies (Japan Atomic Energy Agency, Japan Nuclear Fuel Limited).

*At approximately 3:30 pm, March 27th, we found water pooling in the vertical shaft of the trench outside of the turbine buildings for Units 1 to 3. The radiation dose at the surface of the water amounted 0.4 mSv/h in Unit 1 and over 1,000 mSv/h in Unit 2. We could not confirm the amount of the radiation dose in Unit 3. We will keep observing the condition of the water in the vertical shaft.
On March 29th, we detected niobium, tellurium, ruthenium, silver, tellurium, iodine, cesium, and ruthenium in the water collected at the trench of Unit 1.
On March 30th, we took samples from the water in the trench of Unit 2 and 3, and conducted nuclide analysis on them. We are now confirming the results of the analysis.

*At approximately 9:30 am, April 2nd, we found that there was water in the shaft for storing power cable (concrete product) near the intake of water for Unit 2, the radioactive air dose was over 1,000mSv/h and the water spilled into the sea from the crack (approximately 20 cm) on the side of the shaft. We injected fresh concrete to the shaft twice, however, we could not observe a change in the amount of water flowing into the sea. Therefore, we considered that a new method of stopping the water and determined to use the polymer. Necessary equipment and experts of water shutoff will be dispatched to the site and after checking the condition, we began to stop water shutoff and were injecting polymer on April 3rd. On April 4th, we injected the tracer from the vertical shaft of the trench to start to examine the water current. We did not observe reduction of flow or change of color or water leaking. We checked the diagram and confirmed the route. At the same time, we checked the situation of the pit in detail and considered the possibility that the water was not from the pit, rather, from the joint between the piping upstream of the pit and the duct, then the water seeped through a layer of gravel below the piping. In order to stop that seepage from the layer of gravel, we decided to conduct the water sealing to the bedrock around the piping. We arranged for the specialist and gathered equipments. On April 5th, liquid glass was injected to the bedrock. Tracer was put through the two new holes drilled near the pit to investigate the water flow. At 2:15 pm, April 5th, it was observed the water with tracer came out from the crack on the concrete wall of the pit. At 3:7 pm, April 5th, injection of coagulant from the holes was initiated and we have confirmed the outflow from the crack on the concrete wall of the pit has stopped at 5:38 am, April 6th. We confirmed water level has not been rising in the turbine building of unit 2. On April 6th, a countermeasure by using rubber plate and fixer was implemented to prevent discharge of radioactive materials, and we are continuously monitoring for any existence of leakage. From 8:00pm April 5th, a construction of installing large sandbags around the pier to prevent the outflow of the contaminated water from station's port on the south side to the ocean was started. Also we are preparing spillage prevention fences as countermeasures for lowering the outflow to the ocean.
Iodine and Cesium were detected from the water sampled in the pit and in the sea near the water discharge. Additional nuclide analysis will be implemented.
In addition, from April 2nd, we will implement sampling at 15km offshore Fukushima Daiichi and Fukushima Daiichi Nuclear Power Stations(3 points have been added since April 5th) and will evaluate these samples comprehensively.

*Since approximately 9:20 am, March 31st, the water transfer from the vertical shaft of Unit 1 to the reservoir of the centralized environmental facility was conducted. We finished the task around 11:25 am of the same day.

*We found a puddle of water at the main building of the centralized environmental facility process. We analyzed and detected approximately $1.2 \times 10^4 \text{ Bq/cm}^3$ of radioactivity in full dose in the Controlled Area and $2.2 \times 10^1 \text{ Bq/cm}^3$ in full dose in the Non-Controlled Area on March 29. From April 3rd, the water level in the trench of Unit 3 increased by 15 cm. The route is not yet known, but there is a possibility that water in the turbine building of Unit 4 may be running to the trench of Unit 3. To be safe, at 09:22am, April 4th, we stopped transferring water to the turbine building of Unit 4. At this moment, the water level in the trench of Unit 3 became stable after stopping the water transfer.

*There is plenty of radioactive wastewater in the turbine buildings. Especially, Unit 2's wastewater is very highly radioactive. To store this stably, it was decided that this needed to be transferred to the Central Radioactive Waste Disposal Facility. However, within that facility, we are storing ten thousand tons of low level radioactive wastewater. In order to transfer more wastewater, we need to discharge the low level radioactive wastewater. In addition, as low radioactive subsurface water is piling up in sub-drain pits of Units 5 and 6 and a part of subsurface water is running into buildings. We are concerned that important equipment to secure the safety of reactors may be submerged.
Based on the Section 1 of the Article 64 of the Nuclear Reactor Regulation Law, we have decided to discharge to the sea approximately ten thousand tons of the accumulated low level radioactive water and a total of fifteen hundred tons of the low level radioactive subsurface water stored in the sub drain pits of Unit 5 and 6 as soon as we get ready.
From 7:03 pm, April 4th, we are discharging the low level radioactive wastewater stored in the Central Radioactive Waste Disposal Facility to the south of the water discharge canal. By 7:10 pm, we started ten pumps. Also, from 9:00 pm, April 4th, we are discharging the low level radioactive wastewater stored in the sub drain pits of Unit 5 and 6 by using one pump via the water discharge canal of Units 5 and 6.
We evaluate the impact on the discharge of the low radioactive wastewater to the sea as approximately 0.6 mSv per year per an adult if an adult eats adjacent fish and seaweeds everyday. The amount (0.6 mSv of effective radioactive doses per year) is one-fourth of annual radioactive dose (2.4 mSv) to which the general public is exposed from nature.

*The first barge of the U.S. Forces with fresh water to be used to cool down reactors etc. was towed by a ship of Maritime Self-Defense Force and docked at 3:42 pm on March 31st 2011. At approximately 3:58 pm, April 1st, we started to replenish filtrate tanks with the fresh water, and finished at 4:25 pm. At approximately 10:20 am, April 2nd, we resumed replenishing filtrate tanks with the fresh water, and finished at 4:40 pm. The second barge of the U.S. Forces with the fresh water towed by the ship of Maritime Self-Defense Force came alongside the pier at approximately 9:10 am, April 2nd. It was in preparation for replenishing filtrate tanks with the fresh water. We began to transfer fresh water from the second barge to the first barge on April 3rd at 9:52 am and continued until 11:15 am on April 3rd.

*At 11:35 am, April 1st, a worker fell into the sea while stepping into the ship from the pier during the hose laying work of the barge. Other crew immediately rescued the worker. While no injury or contamination was confirmed, whole body counter has been implemented to check the contamination inside the body just in case.

*At approximately 2:33 pm, April 7th, one of the workers in charge of stuffing sandbags at the soil disposal place at the northern part of the site became ill and was brought to the J-Village. We confirmed that he was not contaminated by completing the radiation survey of his body and he was brought to Iwaki City Kyoitetsu Hospital by an ambulance. he was diagnosed with dehydration and transient examination.

*From 3:00 pm, April 1st, we started spraying inhibitor in order to prevent diffusion of radioactive materials. This attempt was conducted on a trial basis at the mountain side area of the common spent fuel pool in the range of 500m². The spraying finished at 4:05 pm. On April 5th and 6th, we also sprayed the inhibitor in order to prevent the spread of radioactive materials on a trial basis at the mountain side area of the common spent fuel pool in the range of 600m². On April 8th, we conducted trial spraying of the inhibitor at the mountain side area of the common spent fuel pool in the range of 500m².

* Monitoring posts (no.1 to no.8) which were installed around the site boundary have been restored. We will continue monitoring the measured value and make announcements on those values accordingly.

*We will continuously endeavor to securing safety, and monitoring of the surrounding environment.

Fukushima Daini Nuclear Power Station:

Units 1 to 4: shutdown due to the earthquake

*The national government has instructed evacuation for those local residents within 10km radius of the periphery.

*No damage has been done to the power station by the magnitude 7.4 earthquake occurred at approximately 11:32 pm, April 7th in the offshore of Miyagi Prefecture.

*In order to achieve cold shutdown, reactor cooling function was restored and cooling of reactors was conducted. As a result, all reactors achieved cold shutdown: Unit 1 at 5:00 pm, March 14th, Unit 2 at 6:00 pm, March 14th, Unit 3 at 6:15 pm, March 12th, Unit 4 at 7:15 am, March 16th.

*At 2:30 pm on March 30th, the power source of the residual heat removal system (B) to cool the reactor of Unit 1 was secured from an emergency power source in addition to an offsite power. This means that all the units secure backup power sources (emergency power sources) for the residual heat removal system (B).

***Unit 1**

As it was confirmed that the temperature of the Emergency Equipment Cooling Water System *1 has increased, at 3:20 pm, March 15th, we stopped the Residual Heat Removal System (B) for the inspection. Subsequently, failure was detected in the power supply facility associated with the pumps of the Emergency Equipment Cooling Water System. At 4:25 pm, March 15th, after replacing the power facility, the pumps and the Residual Heat Removal System (B) have been reactivated.

***Unit 4**

As it was confirmed that the pressure at the outlet of the pumps of the Emergency Equipment Cooling Water System *1 has been decreased, at 8:05 pm, March 15th, we stopped the Residual Heat Removal System (B) for the inspection. Subsequently, failure was detected in the power supply facility associated with the pumps of the Emergency Equipment Cooling Water System. At 9:25 pm, March 15th, after replacing the relevant facility, the pumps and the Residual Heat Removal System (B) have been reactivated.

*1: Emergency water system in which cooling water (pure water) circulates which exchanged the heat with sea water in order to cool down bearing pumps and/or heat exchangers etc.

Kashiwazaki Kariwa Nuclear Power Station:

Units 1, 5, 6, 7: normal operation

(Units 2 to 4: outage due to regular inspection)

*No damage has been done to the power station by the magnitude 7.4 earthquake occurred at approximately 11:32 pm, April 7th in the offshore of Miyagi Prefecture.

[Thermal Power Station]

- Hirono Thermal Power Station Units 2 and 4: shutdown due to the earthquake
- Hitachinaka Thermal Power Station Unit 1: shutdown due to the earthquake
- Kashima Thermal Power Station Units 6: shutdown due to the earthquake
- Kashima Thermal Power Station: Units 2 resumed generating power at 5:45 pm April 7th.
- Kashima Thermal Power Station: Units 5 resumed generating power at 9:27 am April 8th.

[Hydro Power Station]

-Power supply has returned to normal, but facilities damaged by the earthquake are now being handled in a timely manner.

[Impacts on Transmission Facilities]

-Power supply has returned to normal, but facilities damaged by the earthquake are now being handled in a timely manner.

[Avoidance of further Implementation on Planned Rolling Blackouts and Request for Conserving Electricity Consumption]

Currently, we are giving our utmost efforts to restore power supply after our nuclear and thermal power facilities are severely damaged by Tohoku-Taiheiyou-Oki Earthquake. The widespread understanding and cooperation to the conservation of electricity among each customer have contributed to the improvement in the tight power supply-demand balance. Amidst this backdrop, in principle, we have decided not to implement further rolling blackouts.

However, we must sincerely ask for your continued cooperation in conserving electricity consumption due to the possible increase in demand caused by abrupt climate change or unexpected trouble in power stations that are currently being restored. In case the electricity supply-demand balance becomes tighter than expected, on the condition of prior announcement, we may reluctantly implement the rolling blackouts. We kindly ask for your cooperation.

Also, we will give our utmost efforts to maintain this policy of avoiding further implementation on rolling blackouts in summer.

⋮
⋮
⋮

All Rights Reserved. Copyright © 1995-2011. TEPCO

Legal Notices



TOKYO ELECTRIC POWER COMPANY

[Contact Us](#) [Site Map](#) [Japanese](#) [Chinese](#) [Korean](#)

[Search](#)

[Customer Communication](#)

[Challenges of TEPCO](#)

[Corporate Information](#)

[TEPCO News](#)

TEPCO News

News Source for Media

Press Releases

Press Release (Apr 08,2011)

Plant Status of Fukushima Daini Nuclear Power Station (as of 4:00 pm April 8th)

On March 11th 2011, turbines and reactors of Fukushima Daini Nuclear Power Station Unit 1 to 4 (Boiling Water Reactor, rated output 1100 Megawatts) that had been operating at rated power automatically shutdown at 2:48 pm due to the Tohoku-Chihoku-Taiheiyoku-Oki Earthquake (previously announced on March 11th).

At 7:15 pm on March 15th, the reactor of Unit 4 achieved cold shutdown. As a result, all reactors of Unit 1 to 4 at Fukushima Daini Nuclear Power Station achieved cold shutdown (previously announced on March 15th).

As of 4:00 pm on April 8th, the reactors of Unit 1 to 4 are in cold shutdown (please refer to the attachment). We continue to make our endeavor to stabilize each plant.

We conducted inspection of each plant after the earthquake occurred on 11:32 pm, April 7th and no trouble was detected.

appendix: (PDF) Plant Status of Fukushima Daini Nuclear Power Station (as of 4:00 pm April 8th)

[back to page top](#)

From: Hipschman, Thomas
Sent: Saturday, April 09, 2011 8:46 AM
To: Batkin, Joshua; Coggins, Angela; Warren, Roberta; Pace, Patti; Bradbury, John; Marshall, Michael; Monninger, John; Dhir, Neha; Fopma, Melody; Clark, Lisa; Loyd, Susan; Montes, David
Subject: April 8 0830 Japan Events TA Briefing Summary

Evans is ET Director

No changes in status

Priority is working on a 3 papers

(b)(5)

-Paper on reactor facility conditions

Staff is preparing for either a directors meeting next week which may become an interagency meeting

Chairman approved Ops center staffing reduction for Monday days

Secretary Clinton is planning to visit Tokyo embassy. Chuck will brief her. Target date is 4/17

From: Jaczko, Gregory
Sent: Saturday, April 09, 2011 6:19 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: USNRC Earthquake/Tsunami Status Update: 1800 EDT, April 9, 2011
Attachments: USNRC Earthquake-Tsunami Update.040911.1800EDT.pdf

From: LIA07 Hoc
Sent: Saturday, April 09, 2011 6:18:53 PM
To: LIA07 Hoc
Subject: USNRC Earthquake/Tsunami Status Update: 1800 EDT, April 9, 2011
Auto forwarded by a Rule

Attached, please find a 1800 EDT, April 9, 2011 status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

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

Yen Chen
Executive Briefing Team Coordinator
US Nuclear Regulatory Commission
LIA07.HOC@nrc.gov (Operations Center)

From: Jaczko, Gregory
Sent: Saturday, April 09, 2011 6:10 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Go Book Update - 0600 EDT, April 9, 2011
Attachments: NRC Status Update 4.09.11--0430EDT.pdf; Pages 1-5 ET Chronology 4-09-11 0600EDT.pdf; TEPCO Press Release 311.pdf; TEPCO Press Release 312.pdf; TEPCO Press Release 313.pdf; TEPCO Press Release 314.pdf

From: LIA07 Hoc
Sent: Saturday, April 09, 2011 6:10:02 AM
To: LIA07 Hoc; Batkin, Joshua; Borchardt, Bill; Bradford, Anna; Coggins, Angela; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Monninger, John; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael
Subject: Go Book Update - 0600 EDT, April 9, 2011
Auto forwarded by a Rule

Attached, please find updated information for the "Go Books".

The update includes:

- The 0430 EDT, 04/09/11 Status Update
- The latest ET Chronology
- The latest TEPCO Press Releases (311-314)

Please let me know if you have any questions or concerns.

-Jim

Jim Anderson
Executive Briefing Team Coordinator
US Nuclear Regulatory Commission
LIA07.HOC@nrc.gov (Operations Center)
James.anderson@nrc.gov



Press Releases

Press Release (Apr 09,2011)

The results of nuclide analyses of radioactive materials in the air at the site of Fukushima Daiichi Nuclear Power Station (15th release)

On March 22nd 2011, as part of monitoring activity of the surrounding environment, we conducted nuclide analysis of radioactive materials contained in the air which were collected at the site of Fukushima Daiichi Nuclear Power Station, which was damaged by Tohoku-Chihou-Taiheiyō-Ōki Earthquake. As a result, radioactive materials were detected and therefore, we summarized the results and reported them to Nuclear and Industry Safety Agency as well as to the government of Fukushima Prefecture.

Three nuclides (Iodine-131, Cesium-134 and Cesium-137) are released as fixed figures. Other nuclides figures are to be released as soon as identified under instruction of NISA.

(Fig. 1: Iodine-131, Cesium-134)

On April 8th 2011, we conducted nuclide analysis of radioactive materials contained in the air which were collected at the site of Fukushima Daiichi Nuclear Power Station on the same day. As a result, radioactive materials were detected as described in the appendix. Accordingly, we have reported the result of analysis to Nuclear and Industrial Safety Agency and Fukushima Prefecture.

We are planning to conduct these surveys continuously.

Appendix: The results of the nuclide analysis of radioactive materials in the air at the site of Fukushima Daiichi Nuclear Power Station (Apr 08, 2011)

Appendix: The results of the nuclide analysis of radioactive materials in the air at the site of Fukushima Daiichi Nuclear Power Station (Apr 09, 2011)

Appendix: The results of the nuclide analysis of radioactive materials in the air at the site of Fukushima Daiichi Nuclear Power Station (Apr 10, 2011)

[Back to Page Top](#)

Q Search

Press Releases

Press Release (Apr 09,2011)

Plant Status of Fukushima Daiichi Nuclear Power Station (as of 6:00 pm, April 9)

*Updates are underlined

All 6 units of Fukushima Daiichi Nuclear Power Station have been shut down.

Unit 1 (Shut down)

- Explosive sound and white smoke were confirmed after the big quake occurred at 3:36 pm on March 12th. It was assumed to be hydrogen explosion.
- At approximately 2:30 am on March 23rd, seawater injection to the nuclear reactor through the feed water system was initiated.
- From 3:37 pm on March 25th, we started injecting freshwater.
- As it is suspected that hydrogen gas is accumulated inside reactor containment vessel, we commenced the valve opening operation concerning injection of nitrogen gas into the reactor container vessel at 10:30 pm April 6th and commenced injection at 1:31am April 7th.

Unit 2 (Shut down)

- At approximately 6:00 am on March 15th, an abnormal noise began emanating from nearby Pressure Suppression Chamber and the pressure within the chamber decreased.
- From 10:10 am on March 26th, we started injecting freshwater to the reactor and are now injecting fresh water by a motor driven pump powered by the off-site transmission line.

Unit 3 (Shut down)

- Explosive sound and white smoke were confirmed at approximately 11:01am March 14th. It was assumed to be hydrogen explosion.
- From 6:02 pm on March 25th, we started injecting fresh water to the reactor and are now injecting fresh water by a motor driven pump powered by the off-site transmission line.

Unit 4 (outage due to regular inspection)

- At approximately 6:00 am on March 15th, we confirmed the explosive sound and the sustained damage around the 5th floor rooftop area of the Nuclear Reactor Building.
- At this moment, we do not consider any reactor coolant leakage inside the reactor happened.

Unit 5 (outage due to regular inspection)

- Sufficient level of reactor coolant to ensure safety is maintained.
- At 5:00 am, March 19th, we started the Residual Heat Removal System Pump (C) in order to cool the spent fuel pool.
- At 2:30 pm, March 20th, the reactor achieved reactor cold shutdown. At around 5:24 pm on March 23rd, when we switched the temporary Residual Heat Removal System Seawater Pump, it has stopped automatically. At around 4:14 pm, March 24th we replaced the pump, and restarted cooling of reactor at around 4:35 pm.
- At this moment, we do not consider any reactor coolant leakage inside the reactor happened.

Unit 6 (outage due to regular inspection)

- Sufficient level of reactor coolant to ensure safety is maintained.
- At 10:14 pm, March 19th, we started the Residual Heat Removal System Pump (B) of Unit 6 in order to cool the spent fuel pool.
- At 7:27 pm, March 20th, the reactor achieved reactor cold shutdown.
- In relation to the two seawater side pumps of the Residual Heat Removal System, we switched the power source from temporary to permanent at 3:38 pm and 3:42 pm, Mar 25 respectively.
- At this moment, we do not consider any reactor coolant leakage inside the reactor happened.

Operation for cooling the spent fuel pools

- From 6:23 pm to 7:40 pm on April 7th, spraying water to Unit 4 by

- concrete pump vehicle was conducted.
- From 5:07 pm on April 9th, spraying water to Unit 4 by concrete pump vehicle was conducted.
- We will conduct further water spray depending on the conditions of spent fuel pools, if needed.

Draining water from underground floor of turbine buildings

- At 1:55 pm April 3rd, in Unit 1, water transfer from a condensate storage tank to a suppression pool water surge-tank was initiated.
- At 5:10 pm, April 2nd, in Unit 2, water transfer from a condensate storage tank to a suppression pool water surge-tank was initiated.

Injured

- At 9:19 am April 9th, worker of a cooperative firm who was wearing full-face mask became sick during cable work conducted at the water-treatment facility. The worker accidentally stepped into an open manhole located outside of the building and injured the leg. After being transferred to the hospital, the worker was diagnosed with "contusion of right knee" and "suspected medial collateral ligament injury of right knee". Meanwhile, physical survey was conducted and no contamination was detected.

Others

- We measured radioactive materials (iodine etc.) inside of the nuclear power station area (outdoor) by monitoring car and confirmed that radioactive materials level is getting higher than ordinary level. As listed below, we have determined that specific incidents stipulated in article 15, clause 1 of Act on Special Measures Concerning Nuclear Emergency Preparedness (Abnormal increase in radiation dose measured at site boundary) have occurred.
 - Determined at 4:17 pm Mar 12th (Around Monitoring Post 4)
 - Determined at 8:56 am Mar 13th (Around Monitoring Post 4)
 - Determined at 2:15 pm Mar 13th (Around Monitoring Post 4)
 - Determined at 3:50 am Mar 14th (Around Monitoring Post 6)
 - Determined at 4:15 am Mar 14th (Around Monitoring Post 2)
 - Determined at 9:27 am Mar 14th (Around Monitoring Post 3)
 - Determined at 9:37 pm Mar 14th (Around main entrance)
 - Determined at 6:51 am Mar 15th (Around main entrance)
 - Determined at 8:11 am Mar 15th (Around main entrance)
 - Determined at 4:17 pm Mar 15th (Around main entrance)
 - Determined at 11:05 pm Mar 15th (Around main entrance)
 - Determined at 8:58 am Mar 19th (Around MP5)
 Hereafter, if the measured figure fluctuates and goes above and below 500 micro Sv/h, we deem that as the continuous same event and will not regard that as a new specific incidents stipulated in article 15, clause 1 of the Act on Special Measures Concerning Nuclear Emergency Preparedness (Abnormal increase in radiation dose measured at site boundary) has occurred. In the interim, if we measure a manifestly abnormal figure and it is evident that the event is not the continuous same event, we will determine and notify.
- The national government has instructed evacuation for those local residents within 20km radius of the periphery and evacuation to inside for those residents from 20km to 30km radius of the periphery, because it is possible that radioactive materials are discharged.
- In total 12 fire engines are lent for the water spraying to the spent fuel pools and water injection to the nuclear reactors by various regional fire departments* as well as Tokyo Fire Department. Also, instruction regarding the setting and operation of large scale decontamination system was provided by Niigata City Fire Headquarter and Hamamatsu City Fire Headquarter.
- *:Koriyama Fire Department, Iwaki Fire Brigade Headquarters, Fire Headquarters of Sukagawa District Wide Area Fire-fighting Association, Yonezawa City Fire Headquarters, Utsunomiya City Fire Headquarters, Fire Headquarters of Aizu-Wakamatsu wide area municipal association, Saitama City Fire Bureau, and Niigata City Fire Bureau.
- At around 11:35 am April 1st, a worker fell into the sea when he got into a barge of the U.S. Forces to repair a hose of the ship. The worker was rescued immediately, and was not injured and not contaminated. The worker will be checked using the whole-body counter to ensure his health.
- From April 2nd, we began to transfer the radioactive water we collected from the Central Environmental Facility to the Unit 4 turbine building. On April 4th, water level of the pit in the trench of Unit 3 increased by 15cm from previous day. Pathway of water flow is unknown. We can not deny the possibility that water in the turbine building of Unit 4 flows into the trench of Unit 3. So, we stopped transferring water to the Unit 4 turbine building to make assurance. Present water level of the pit in the trench of Unit 3 is not changed from the time we stopped transferring, and is being stable.
- As a countermeasure against outflow of radioactive water into the sea near the cooling water intake at Unit 2 of Fukushima Daiichi Nuclear Power Station, we have injected coagulant into the pit from April 5th and we have observed stoppage of spilling of water from the crack on the concrete lateral of the pit at 5:38 am, April 6th. We have put 6,000 liters of coagulant into the breakage and surrounding ground after investigation of the leakage route by putting tracer into the 9 holes drilled around electrical conduit and the pit. On April 6th, we installed rubber boards and jigs as a countermeasure against the outflow

from the intake. We will further investigate if there is any other leakage.

- From 7:03 pm, April 4, we started to discharge to the sea approximately ten thousand tons of the accumulated low level radioactive water in the Central Radioactive Waste Disposal Facility. From 9:00 pm, April 4, we started to discharge a total of 1,500 tons of the low level radioactive subsurface water stored in the sub drain pits of Unit 5 and 6.
- From 3:00 pm to 4:30 pm, April 5th, in order to prevent diffusion of radioactive contaminated water out from the site port facility to breakwater area which is south to the power station, we began repair of breakwater by founding the large sandbag around it to replace damaged steel water bar. We will continue the operation to prevent diffusion.
- We will continue to take all measures to ensure the safety and to continue monitoring the surrounding environment around the Power Station.

[Back to page top](#)



Press Releases

Press Release (Apr 09, 2011)

Detection of Radioactive Materials form Seawater near Fukushima Daiichi Nuclear Power Station (17th release)

On March 21st, 2011, a sampling survey, conducted as a part of monitoring of surrounding environment, detected radioactive materials in the seawater around the water discharge port (south) of Fukushima Daiichi Nuclear Power Station which was damaged by the Tohoku-Chihou-Taiheiyou-Oki Earthquake. Therefore, we informed Nuclear and Industrial Safety Agency (NISA) and the government of Fukushima Prefecture of the results.

We have also informed NISA of the results of seawater sampling surveys which have been implemented since April 2nd at three different points within 15 km area of Fukushima Daiichi Nuclear Power Station. (Since April 5th, sampling has been implemented at six different points, and since April 6th, it has been conducted twice a day at six different points.)

The data of detected three nuclides (Iodine-131, Cesium-134 and Cesium-137) will be reported as fixed data. Other nuclides figures are to be re-evaluated based on the improved measures for recurrence prevention which have been prepared in accordance to a strong warning by NISA on April 1st.

(Data as of April 1st, 2011)

On April 8th, 2011, we conducted sampling surveys to evaluate the spread of radioactive materials which were detected at Fukushima Daiichi Nuclear Power Station. Since the radioactive materials were detected as shown in the appendix, we informed NISA and the government of Fukushima Prefecture of the results.

We planed to take sampling at six points at 15 km offshore yesterday. However, we canceled it due to the bad weather. Since the bad weather still continues today, sampling has been skipped.

We will continuously conduct the same sampling surveys.

Appendix1: Sampling results of seawater at Fukushima Daiichi Nuclear Power Station (April 8th, 2011)
Appendix2: Sampling results of seawater at Fukushima Daiichi Nuclear Power Station (April 9th, 2011)

[Back to Page Top](#)



Press Releases

Press Release (Apr 09, 2011)

Results of the investigation regarding tsunami arrived in Fukushima Daiichi Nuclear Power Station and Fukushima Daini Nuclear Power Station

Summary of the results of the investigation regarding tsunami generated by Tohoku-Chihou-Taiheiyo-Oki Earthquake which arrived in Fukushima Daiichi Nuclear Power Station and Fukushima Daini Nuclear Power Station are as follows.

At Fukushima Daiichi Nuclear Power Station, on the ocean-side of the main building area, inundation with inundation height of approximately O.P. + 14 to 15 meters (inundation depth approximately 4 to 5 meters) occurred in most of the area. At Fukushima Daini Nuclear Power Station, inundation with inundation height of approximately O.P. + 6.5 to 7 meters occurred in the ocean-side areas, however, only surrounding areas of Unit 1 and 2 buildings and the south side of Unit 3 building was inundated within the main building area. Accordingly, we have confirmed that the impact of tsunami was relatively larger in Fukushima Daiichi Nuclear Power Station than Fukushima Daini Nuclear Power Station.

We will try to comprehend further details such as inundation height within the site and the surrounding areas, together with details regarding inflow of seawater to buildings and impact on the facilities.

The current understanding of inundation height and inundation area of Fukushima Daiichi Nuclear Power Station and Fukushima Daini Nuclear Power Station are as follows.

[Inundation height]

<Fukushima Daiichi Nuclear Power Station>

Approximately O.P. + 14 to 15 meters (inundation depth approximately 4 to 5 meters) across the ocean-side of main building area where reactor buildings and turbine buildings are placed.

<Fukushima Daini Nuclear Power Station>

Approximately O.P. + 6.5 to 7 meters (inundation depth approximately 2.5 to 3 meters) in most of the ocean-side areas where seawater pumps are placed.

Approximately O.P. + 14 to 15 meters (inundation depth approximately 2 to 3 meters) only on the south side of Unit 1 building within the main building area where reactor buildings and turbine buildings are placed.

[Inundation area]

<Fukushima Daiichi Nuclear Power Station>

Across the ocean-side areas where seawater pumps are placed.

Most of the main building area where reactor buildings and turbine buildings are placed.

<Fukushima Daini Nuclear Power Station>

Across the ocean-side areas where seawater pumps are placed.

In the main building area where reactor buildings and turbine buildings are placed, only surrounding areas of Unit 1 and 2 buildings and south of Unit 3 building.

(No un-up over the slope from the ocean-side area to the main building area was found.)

[Glossary]

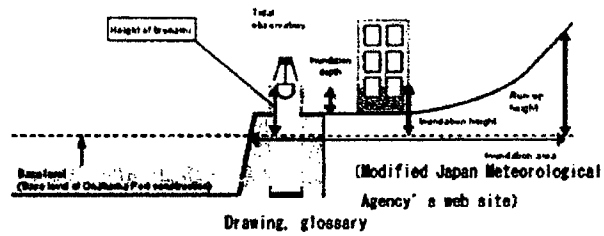
-Inundation height

Height of vestige such as discolored area and remains left on buildings and facilities, measured from the base level. (See drawing below.)

-Inundation depth

Height of vestige such as discolored area and remains left on buildings and facilities, measured from the ground level. (See drawing below.)

- Inundation area
Area inundated with tsunami. (See drawing below.)
- O.P. (Base level of Onahama Port construction)
Base level which is 0.727 meters below T.P. (Tokyo Bay mean sea height).



□ back to page top

From: Jaczko, Gregory
Sent: Saturday, April 09, 2011 10:35 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: REPLY: Go Book Update - 0600 EDT, April 9, 2011

From: Virgilio, Martin
Sent: Saturday, April 09, 2011 10:34:37 AM
To: LIA07 Hoc; Batkin, Joshua; Borchardt, Bill; Bradford, Anna; Coggins, Angela; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Monninger, John; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Walker, Dwight; Walls, Lorena; Weber, Michael
Subject: REPLY: Go Book Update - 0600 EDT, April 9, 2011
Auto forwarded by a Rule

All

Please note that our statement on the Deputies Meeting needs to be updated. (we say...“Guidance for Return (Short Term and Permanent Re-entry) of US Citizens to Areas around Fukushima Daiichi NPP”, is also being finalized and will be used at the 04/11/2011 Deputies Meeting).

There is currently no Deputies Meeting scheduled for next week. Our next steps once we have our position paper finalized is not yet clear. However, it has been suggested that the next step might be to have this reviewed and discussed at the Japan IPC?

Marty

From: LIA07 Hoc
Sent: Saturday, April 09, 2011 6:10 AM
To: LIA07 Hoc; Batkin, Joshua; Borchardt, Bill; Bradford, Anna; Coggins, Angela; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Monninger, John; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael
Subject: Go Book Update - 0600 EDT, April 9, 2011

Attached, please find updated information for the “Go Books”.

The update includes:

- The 0430 EDT, 04/09/11 Status Update

- The latest ET Chronology
- The latest TEPCO Press Releases (311-314)

Please let me know if you have any questions or concerns.

-Jim

Jim Anderson
Executive Briefing Team Coordinator
US Nuclear Regulatory Commission
LIA07.HOC@nrc.gov (Operations Center)
James.anderson@nrc.gov



Press Releases

Press Release (Apr 08,2011)

Detection of radioactive materials from the seawater near Fukushima Daiichi Nuclear Power Station (16th release)

On March 21st 2011, a sampling survey, conducted as a part of monitoring of surrounding environment, detected radioactive materials in the seawater around the water discharge port (south) of Fukushima Daiichi Nuclear Power Station which was damaged by the Tohoku-Chihou-Taiheiyou-Okai Earthquake. Therefore, we informed the result of Nuclear and Industrial Safety Agency (NISA) and the government of Fukushima Prefecture.

We have also informed NISA of the results of seawater sampling surveys which have been implemented since April 2nd at three different points within 15km area of the Fukushima Daiichi Nuclear Power Station (Since April 5th, it has been implemented at six different points, and since April 6th it has been done twice a day at six different points.)

The data of the detected three nuclides (Iodine-131, Cesium-134 and Cesium-137) will be reported as fixed data. Other nuclides figures are to be reinvestigated by improved measures under NISA's warning on April 1st.

On April 7th, 2011 we conducted sampling surveys to evaluate the spread of the radioactive materials which were detected at Fukushima Daiichi Nuclear Power Station. Since the some radioactive materials were detected as shown in the appendix, we informed NISA and the government of Fukushima Prefecture of the result.

Also, yesterday, regarding the three sampling points (Minami-Soma City offshore, Ukedo River offshore and Fukushima Daiichi Nuclear Power Station offshore) among the six sampling points at 15km offshore, where sampling surveys were supposed to be conducted twice a day, in fact surveys were conducted only once a day due to the bad weather. For today, the sampling at all of the six points 15km offshore was all skipped due to the bad weather.

We are intending to conduct the same sampling investigation.

Appendix1: The results of the sampling survey of the seawater around the water discharge port (south) of Fukushima Daiichi Nuclear Power Station on March 21st 2011.

Appendix2: The results of the sampling survey of the seawater around the water discharge port (south) of Fukushima Daiichi Nuclear Power Station on April 2nd 2011.

Appendix3: The results of the sampling survey of the seawater around the water discharge port (south) of Fukushima Daiichi Nuclear Power Station on April 5th 2011.

Appendix4: The results of the sampling survey of the seawater around the water discharge port (south) of Fukushima Daiichi Nuclear Power Station on April 6th 2011.

Appendix5: The results of the sampling survey of the seawater around the water discharge port (south) of Fukushima Daiichi Nuclear Power Station on April 7th 2011.

Appendix6: The results of the sampling survey of the seawater around the water discharge port (south) of Fukushima Daiichi Nuclear Power Station on April 8th 2011.

Appendix7: The results of the sampling survey of the seawater around the water discharge port (south) of Fukushima Daiichi Nuclear Power Station on April 9th 2011.

Appendix8: The results of the sampling survey of the seawater around the water discharge port (south) of Fukushima Daiichi Nuclear Power Station on April 10th 2011.

Appendix9: The results of the sampling survey of the seawater around the water discharge port (south) of Fukushima Daiichi Nuclear Power Station on April 11th 2011.

Appendix10: The results of the analysis of the seawater samples collected from the Fukushima Daiichi Nuclear Power Plant (PDF 1.1MB)

Appendix11: The results of the analysis of the seawater samples collected from the Fukushima Daiichi Nuclear Power Plant (PDF 1.1MB)

[Back to page top](#)

Search

Press Releases

Press Release (Apr 08,2011)

The results of nuclide analyses of radioactive materials in the air at the site of Fukushima Daiichi Nuclear Power Station (14th release)

On March 22nd 2011, as part of monitoring activity of the surrounding environment, we conducted nuclide analysis of radioactive materials contained in the air which were collected at the site of Fukushima Daiichi Nuclear Power Station, which was damaged by Tohoku-Chihou-Taiheiyo-Oki Earthquake. As a result, radioactive materials were detected and therefore, we summarized the results and reported them to Nuclear and Industry Safety Agency as well as to the government of Fukushima Prefecture.

Three nuclides (Iodine-131, Cesium-134 and Cesium-137) are released as fixed figures. Other nuclides figures are to be released as soon as identified under instruction of NISA.

(The results of analysis are as follows.)

On April 7th 2011, we conducted nuclide analysis of radioactive materials contained in the air which were collected at the site of Fukushima Daiichi Nuclear Power Station on the same day. As a result, radioactive materials were detected as described in the 14th release. Accordingly, we have reported the result of analysis to Nuclear and Industrial Safety Agency and Fukushima Prefecture.

We are planning to conduct these surveys continuously.

Appendix: The results of the nuclide analysis of radioactive materials in the air at the site of Fukushima Daiichi Nuclear Power Station (14th release)

Appendix: The results of the nuclide analysis of radioactive materials in the air at the site of Fukushima Daiichi Nuclear Power Station (15th release)

Appendix: The results of the nuclide analysis of radioactive materials in the air at the site of Fukushima Daiichi Nuclear Power Station (16th release)

Appendix: The results of the nuclide analysis of radioactive materials in the air at the site of Fukushima Daiichi Nuclear Power Station (17th release)

Back to Page Top

From: Jaczko, Gregory
Sent: Sunday, April 10, 2011 6:19 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Go Book Update - 0600 EDT, April 10, 2011
Attachments: TEPCO Press Release 322.pdf; TEPCO Press Release 323.pdf; TEPCO Press Release 324.pdf; TEPCO Press Release 325.pdf; TEPCO Press Release 319.pdf; TEPCO Press Release 320.pdf; TEPCO Press Release 321.pdf; NRC Status Update 04.10.11--0430.pdf; pages 1-5 ET Chronology 4.10.11_0600EDT.pdf; April 10 0600 EDT one pager.pdf

From: LIA07 Hoc
Sent: Sunday, April 10, 2011 6:18:36 AM
To: LIA07 Hoc; Batkin, Joshua; Borchardt, Bill; Bradford, Anna; Coggins, Angela; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Monninger, John; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael
Subject: Go Book Update - 0600 EDT, April 10, 2011
Auto forwarded by a Rule

Attached, please find updated information for the "Go Books".

The update includes:

- The 0430 EDT, 04/10/11 Status Update
- The 0600 EDT, 04/10/11 One-pager/briefing sheet
- The latest ET Chronology
- The latest TEPCO Press Releases (319-325)

Please let me know if you have any questions or concerns.

-Jim

Jim Anderson
Executive Briefing Team Coordinator
US Nuclear Regulatory Commission
LIA07.HOC@nrc.gov (Operations Center)
James.anderson@nrc.gov

Press Releases

Press Release (Apr 10, 2011)

Plant Status of Fukushima Daiichi Nuclear Power Station (as of 11:00 pm, April 10)

*Updates are underlined

All 6 units of Fukushima Daiichi Nuclear Power Station have been shut down.

Unit 1 (Shut down)

- Explosive sound and white smoke were confirmed after the big quake occurred at 3:36 pm on March 12th. It was assumed to be hydrogen explosion.
- At approximately 2:30 am on March 23rd, seawater injection to the nuclear reactor through the feed water system was initiated.
- From 3:37 pm on March 25th, we started injecting freshwater.
- As it is suspected that hydrogen gas is accumulated inside reactor containment vessel, we commenced the valve opening operation concerning injection of nitrogen gas into the reactor container vessel at 10:30 pm April 6th and commenced injection at 1:31am April 7th.

Unit 2 (Shut down)

- At approximately 6:00 am on March 15th, an abnormal noise began emanating from nearby Pressure Suppression Chamber and the pressure within the chamber decreased.
- From 10:10 am on March 26th, we started injecting freshwater to the reactor and are now injecting fresh water by a motor driven pump powered by the off-site transmission line.

Unit 3 (Shut down)

- Explosive sound and white smoke were confirmed at approximately 11:01am March 14th. It was assumed to be hydrogen explosion.
- From 6:02 pm on March 25th, we started injecting fresh water to the reactor and are now injecting fresh water by a motor driven pump powered by the off-site transmission line.

Unit 4 (outage due to regular inspection)

- At approximately 6:00 am on March 15th, we confirmed the explosive sound and the sustained damage around the 5th floor rooftop area of the Nuclear Reactor Building.
- At this moment, we do not consider any reactor coolant leakage inside the reactor happened.

Unit 5 (outage due to regular inspection)

- Sufficient level of reactor coolant to ensure safety is maintained.
- At 5:00 am, March 19th, we started the Residual Heat Removal System Pump (C) in order to cool the spent fuel pool.
- At 2:30 pm, March 20th, the reactor achieved reactor cold shutdown. At around 5:24 pm on March 23rd, when we switched the temporary Residual Heat Removal System Seawater Pump, it has stopped automatically. At around 4:14 pm, March 24th we replaced the pump, and restarted cooling of reactor at around 4:35 pm.
- At this moment, we do not consider any reactor coolant leakage inside the reactor happened.

Unit 6 (outage due to regular inspection)

- Sufficient level of reactor coolant to ensure safety is maintained.
- At 10:14 pm, March 19th, we started the Residual Heat Removal System Pump (B) of Unit 6 in order to cool the spent fuel pool.
- At 7:27 pm, March 20th, the reactor achieved reactor cold shutdown.
- In relation to the two seawater side pumps of the Residual Heat Removal System, we switched the power source from temporary to permanent at 3:38 pm and 3:42 pm, Mar 25 respectively.
- At this moment, we do not consider any reactor coolant leakage inside the reactor happened.

Operation for cooling the spent fuel pools

- From 5:07 pm to 7:24 pm on April 9th, spraying water to Unit 4 by

concrete pump vehicle was conducted.

-At 10:37 am on April 10th, the injection of fresh water into Unit 2 with a temporary motor driven pump was initiated.

-We will conduct further water spray depending on the conditions of spent fuel pools, if needed.

Draining water from underground floor of turbine buildings

-From 1:55 pm on April 3rd to 9:30 am on April 10th, at Unit 1, transferring water from a condenser to condensate storage tank was conducted.

Others

-We measured radioactive materials (iodine etc.) inside of the nuclear power station area (outdoor) by monitoring car and confirmed that radioactive materials level is getting higher than ordinary level. As listed below, we have determined that specific incidents stipulated in article 15, clause 1 of Act on Special Measures Concerning Nuclear Emergency Preparedness (Abnormal increase in radiation dose measured at site boundary) have occurred.

- Determined at 4:17 pm Mar 12th (Around Monitoring Post 4)
- Determined at 8:56 am Mar 13th (Around Monitoring Post 4)
- Determined at 2:15 pm Mar 13th (Around Monitoring Post 4)
- Determined at 3:50 am Mar 14th (Around Monitoring Post 6)
- Determined at 4:15 am Mar 14th (Around Monitoring Post 2)
- Determined at 9:27 am Mar 14th (Around Monitoring Post 3)
- Determined at 9:37 pm Mar 14th (Around main entrance)
- Determined at 6:51 am Mar 15th (Around main entrance)
- Determined at 8:11 am Mar 15th (Around main entrance)
- Determined at 4:17 pm Mar 15th (Around main entrance)
- Determined at 11:05 pm Mar 15th (Around main entrance)
- Determined at 8:58 am Mar 19th (Around MP5)

Hereafter, if the measured figure fluctuates and goes above and below 500 micro Sv/h, we deem that as the continuous same event and will not regard that as a new specific incidents stipulated in article 15, clause 1 of the Act on Special Measures Concerning Nuclear Emergency Preparedness (Abnormal increase in radiation dose measured at site boundary) has occurred. In the interim, if we measure a manifestly abnormal figure and it is evident that the event is not the continuous same event, we will determine and notify.

-The national government has instructed evacuation for those local residents within 20km radius of the periphery and evacuation to inside for those residents from 20km to 30km radius of the periphery, because it is possible that radioactive materials are discharged.

-In total 12 fire engines are lent for the water spraying to the spent fuel pools and water injection to the nuclear reactors by various regional fire departments* as well as Tokyo Fire Department. Also, instruction regarding the setting and operation of large scale decontamination system was provided by Niigata City Fire Headquarter and Hamamatsu City Fire Headquarter.

*Koriyama Fire Department, Iwaki Fire Brigade Headquarters, Fire Headquarters of Sukagawa District Wide Area Fire-fighting Association, Yonezawa City Fire Headquarters, Utsunomiya City Fire Headquarters, Fire Headquarters of Aizu-Wakamatsu wide area municipal association, Saitama City Fire Bureau, and Niigata City Fire Bureau.

-At around 11:35 am April 1st, a worker fell into the sea when he got into a barge of the U.S. Forces to repair a hose of the ship. The worker was rescued immediately, and was not injured and not contaminated. The worker will be checked using the whole-body counter to ensure his health.

-From April 2nd, we began to transfer the radioactive water we collected from the Central Environmental Facility to the Unit 4 turbine building. On April 4th, water level of the pit in the trench of Unit 3 increased by 15cm from previous day. Pathway of water flow is unknown. We can not deny the possibility that water in the turbine building of Unit 4 flows into the trench of Unit 3. So, we stopped transferring water to the Unit 4 turbine building to make assurance. Present water level of the pit in the trench of Unit 3 is not changed from the time we stopped transferring, and is being stable.

-As a countermeasure against outflow of radioactive water into the sea near the cooling water intake at Unit 2 of Fukushima Daiichi Nuclear Power Station, we have injected coagulant into the pit from April 5th and we have observed stoppage of spilling of water from the crack on the concrete lateral of the pit at 5:38 am, April 6th. We have put 6,000 litters of coagulant into the breakage and surrounding ground after investigation of the leakage route by putting tracer into the 9 holes drilled around electrical conduit and the pit. On April 6th, we installed rubber boards and jigs as a countermeasure against the outflow from the intake. We will further investigate if there is any other leakage.

-From 7:03 pm, April 4, we started to discharge to the sea approximately ten thousand tons of the accumulated low level radioactive water in the Central Radioactive Waste Disposal Facility. From 9:00 pm on April 4 to 6:52 pm on April 9, we conducted discharging a total of 1,500 tons of the low level radioactive subsurface water stored in the sub drain pits of Unit 5 and 6. The amount of discharged water was approximately 1,320 tons.

-From 3:00 pm to 4:30 pm, April 5th, in order to prevent diffusion of radioactive contaminated water out from the site port facility to breakwater area which is south to the power station, we began repair of breakwater by founding the large sandbag around it to replace damaged

steel water bar. We will continue the operation to prevent diffusion.
-We will continue to take all measures to ensure the safety and to
continue monitoring the surrounding environment around the Power Station.

□ Back to Page 1st

From: Brenner, Eliot
Sent: Monday, April 11, 2011 10:39 AM
To: Pace, Patti
Subject: RE: VIP Attendance at National Cathedral Event?

No. suggest you call that paradiso person who sent the email. they may have the information on it.

From: Pace, Patti
Sent: Monday, April 11, 2011 10:37 AM
To: Brenner, Eliot
Subject: FW: VIP Attendance at National Cathedral Event?
Importance: High

Hi Eliot,

Have you seen anything that includes start time and duration of this event?

Thanks!

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Batkin, Joshua
Sent: Monday, April 11, 2011 9:37 AM
To: Pace, Patti; Coggins, Angela; Monninger, John
Subject: Fw: VIP Attendance at National Cathedral Event?
Importance: High

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Brenner, Eliot
To: Batkin, Joshua; Coggins, Angela
Sent: Mon Apr 11 09:31:48 2011
Subject: FW: VIP Attendance at National Cathedral Event?

Not sure if you guys are aware of this. You can probably designate a hitter if you want.

Eliot

From: Paradiso, Darragh T [mailto:ParadisoDT@state.gov]
Sent: Monday, April 11, 2011 9:29 AM
To: Echard, John E Jr; Brenner, Eliot; Biswal, Nisha (ASIA/AA); Macray, Rosemary R; Klevorick, Caitlin B; Petrovich, Peggy L
Cc: Shoemaker, Lori A; Stout, Jennifer P
Subject: VIP Attendance at National Cathedral Event?
Importance: High

Good morning, Colleagues --

Please see below regarding high-level State/DoD/Embassy of Japan attendance at the National Cathedral's Prayer for Japan this evening. Note also that the family of one of the American victims will attend.

Any chance USAID, NRC, or State's M/C/CA Bureau leadership will be able to come? It would be great to have them given how hard everyone has been working in support of Japan!

Please let me know soonest so I can ask the Cathedral to reserve seats. Please call me if you have questions

Thank you,
Darragh

Darragh Paradiso
Bureau of East Asian and Pacific Affairs
Office of Public Affairs (EAP/P)
202-647-2149 (Office)
(b)(6) (Blackberry)

Privacy/PII
This email is UNCLASSIFIED.

From: Shoemaker, Lori A (TDY)
Sent: Monday, April 11, 2011 9:23 AM
To: Leou, Nancy W
Cc: Paradiso, Darragh T; EAP-J-Office-DL; Stout, Jennifer P
Subject: RE: National Cathedral Event

Nancy,

To confirm the voicemail message I left earlier --

The current status of confirmed participation is as follows:

(b)(6)

Darragh has reached out to L to pass the word to Congress, and has reached out to PAOs in the interagency to pass the word to their principals, and our EAP PDAS has reached out to the NSC.

I will keep you updated if we receive confirmation of other high-level participants.

Best regards,

Lori

This email is UNCLASSIFIED.

From: Paradiso, Darragh T <ParadisoDT@state.gov>
Sent: Monday, April 11, 2011 10:49 AM
To: Pace, Patti
Cc: Shoemaker, Lori A
Subject: RE: VIP Attendance at National Cathedral Event?

Dear Ms. Pace,

Thanks for getting in touch. It would be a great honor if the Chairman could come! I did a walkthrough at the Cathedral and Friday and it looks like it will be a lovely interfaith event with Japanese touches. The Cathedral is organizing and funding everything, and we're involved since A/S Campbell will likely have a speaking role.

The start time is 7pm and the service will be one hour and 15 minutes. The Cathedral is hoping to know by noon which VIPs are coming so they can reserve enough seats in the front rows. Please contact me or my colleague Lori (copied and at 202-647-2912) if you have more questions.

More details about the program are available at: <http://www.nationalcathedral.org/events/Japan20110411.shtml>

Thank you,
Darragh (rhymes with Sarah)
202-647-2149

This email is UNCLASSIFIED.

From: Pace, Patti [mailto:Patti.Pace@nrc.gov]
Sent: Monday, April 11, 2011 10:44 AM
To: Paradiso, Darragh T
Subject: FW: VIP Attendance at National Cathedral Event?

Good Morning,

Eliot Brenner forwarded your message to our office. Do you know the start time and expected duration of the event tonight? I would like to see how this could work given the Chairman's prior commitments this evening.

Many thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Paradiso, Darragh T [mailto:ParadisoDT@state.gov]
Sent: Monday, April 11, 2011 9:29 AM
To: Echard, John E Jr; Brenner, Eliot; Biswal, Nisha (ASIA/AA); Macray, Rosemary R; Klevorick, Caitlin B; Petrovich, Peggy L

Cc: Shoemaker, Lori A; Stout, Jennifer P
Subject: VIP Attendance at National Cathedral Event?
Importance: High

Good morning, Colleagues --

Please see below regarding high-level State/DoD/Embassy of Japan attendance at the National Cathedral's Prayer for Japan this evening. Note also that the family of one of the American victims will attend.

Any chance USAID, NRC, or State's M/C/CA Bureau leadership will be able to come? It would be great to have them given how hard everyone has been working in support of Japan!

Please let me know soonest so I can ask the Cathedral to reserve seats. Please call me if you have questions

Thank you,
Darragh

Darragh Paradiso
Bureau of East Asian and Pacific Affairs
Office of Public Affairs (EAP/P)
202-647-2149 (Office)
(b)(6) (Blackberry)

Privacy/PII
This email is UNCLASSIFIED.

From: Shoemaker, Lori A (TDY)
Sent: Monday, April 11, 2011 9:23 AM
To: Leou, Nancy W
Cc: Paradiso, Darragh T; EAP-J-Office-DL; Stout, Jennifer P
Subject: RE: National Cathedral Event

Nancy,

To confirm the voicemail message I left earlier --

The current status of confirmed participation is as follows:

USG: A/S Campbell and his family, DOD Acting A/S Derek Mitchell, PACOM Commander ADM Willard and his wife

EOJ: Amb. Fujisaki and his wife

Other special guests: Parents of Taylor Anderson, one of two AmCits confirmed dead in the tsunami

Darragh has reached out to L to pass the word to Congress, and has reached out to PAOs in the interagency to pass the word to their principals, and our EAP PDAS has reached out to the NSC.

I will keep you updated if we receive confirmation of other high-level participants.

Best regards,
Lori

This email is UNCLASSIFIED.

From: Pace, Patti
Sent: Monday, April 11, 2011 1:46 PM
To: BUKER KIYOMI
Cc: Gibbs, Catina; Speiser, Herald
Subject: RE: A phone call Request to Chairman Gregory Jaczko

Dear Kiyomi,

The best phone number to use is 301-415-1820. We will look forward to the call tomorrow at 10:30AM.

Thank you,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

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

From: BUKER KIYOMI [mailto:kiyomi.buker@ws.mofa.go.jp]
Sent: Monday, April 11, 2011 1:41 PM
To: Pace, Patti
Cc: Gibbs, Catina; Speiser, Herald
Subject: RE: A phone call Request to Chairman Gregory Jaczko

Thank you so much, Patti!

Yes, a phone call at 10:30AM on Tuesday, April 12th will be perfect! What will be the best number for Ambassador Fujisaki to call Chairman Jaczko? Looking forward to hearing from you. Thank you. Kiyomi

Kiyomi M. Buker
Social Secretary to the Ambassador
Ambassador's Office / Protocol Section
Embassy of Japan
Washington, DC 20008
(TEL: 202-238-6886)
(FAX: 202-265-9482)
(Email: Kiyomi.Buker@ws.mofa.go.jp)

!!! Please note that my new email address is
Kiyomi.Buker@ws.mofa.go.jp from May 17, 2010!!!

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

From: Pace, Patti [mailto:Patti.Pace@nrc.gov]
Sent: Monday, April 11, 2011 1:34 PM
To: BUKER KIYOMI

Cc: Gibbs, Catina; Speiser, Herald
Subject: RE: A phone call Request to Chairman Gregory Jaczko

Dear Kiyomi,

Chairman Jaczko would be pleased to speak with Ambassador Fujisaki tomorrow April 12th. The best time for the Chairman tomorrow will be 10:30AM. Would the Ambassador be available to speak to Chairman Jaczko at that time?

Many thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

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

From: BUKER KIYOMI [mailto:kiyomi.buker@ws.mofa.go.jp]
Sent: Monday, April 11, 2011 1:18 PM
To: Pace, Patti
Cc: Gibbs, Catina; Speiser, Herald
Subject: A phone call Request to Chairman Gregory Jaczko
Importance: High

Dear Patti,

Ambassador Ichiro Fujisaki of Japan would like to speak to Chairman Gregory Jaczko over the phone sometime tomorrow on Tuesday, April 12th.

Just for your information, Ambassador Fujisaki will make a short trip to Tokyo starting this Wednesday, the 13th so that Ambassador would like to speak to Chairman Jaczko over the phone before his trip to Tokyo. Please advise me what time will be the best for the Chairman.

Looking forward to hearing from you. Thanks. Kiyomi

Kiyomi M. Buker
Social Secretary to the Ambassador
Ambassador's Office
Embassy of Japan
Washington, DC 20008
(TEL: 202-238-6886)
(FAX: 202-265-9482)
(Email: Kiyomi.Buker@ws.mofa.go.jp)
!!! Please note that my new email address is
Kiyomi.Buker@ws.mofa.go.jp from May 17, 2010!!!

From: Weber, Michael
Sent: Monday, April 11, 2011 10:20 PM
To: Pace, Patti
Subject: Response - VIP Attendance at National Cathedral Event?

Thanks. The service was moving and inspirational. I got there on time. Could not find Marie, but they had a seat for me down front in the VIP section.

From: Pace, Patti
To: Weber, Michael
Cc: Batkin, Joshua
Sent: Mon Apr 11 17:58:48 2011
Subject: FW: VIP Attendance at National Cathedral Event?

Sorry – here is the email Josh is referring to.

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Paradiso, Darragh T [mailto:ParadisoDT@state.gov]
Sent: Monday, April 11, 2011 9:29 AM
To: Echard, John E Jr; Brenner, Eliot; Biswal, Nisha (ASIA/AA); Macray, Rosemary R; Klevorick, Caitlin B; Petrovich, Peggy L
Cc: Shoemaker, Lori A; Stout, Jennifer P
Subject: VIP Attendance at National Cathedral Event?
Importance: High

Good morning, Colleagues --

Please see below regarding high-level State/DoD/Embassy of Japan attendance at the National Cathedral's Prayer for Japan this evening. Note also that the family of one of the American victims will attend.

Any chance USAID, NRC, or State's M/C/CA Bureau leadership will be able to come? It would be great to have them given how hard everyone has been working in support of Japan!

Please let me know soonest so I can ask the Cathedral to reserve seats. Please call me if you have questions

Thank you,
Darragh

Darragh Paradiso
Bureau of East Asian and Pacific Affairs
Office of Public Affairs (EAP/P)
202-647-2149 (Office)
(b)(6) (Blackberry)

Privacy/PII
This email is UNCLASSIFIED.

From: Shoemaker, Lori A (TDY)
Sent: Monday, April 11, 2011 9:23 AM
To: Leou, Nancy W
Cc: Paradiso, Darragh T; EAP-J-Office-DL; Stout, Jennifer P
Subject: RE: National Cathedral Event

Nancy,

To confirm the voicemail message I left earlier --

The current status of confirmed participation is as follows:

(b)(6)

Darragh has reached out to L to pass the word to Congress, and has reached out to PAOs in the interagency to pass the word to their principals, and our EAP PDAS has reached out to the NSC.

I will keep you updated if we receive confirmation of other high-level participants.

Best regards,
Lori

This email is UNCLASSIFIED.

From: Hipschman, Thomas
Sent: Thursday, April 14, 2011 10:34 AM
To: Loyd, Susan; Montes, David; Coggins, Angela; Warren, Roberta; Batkin, Joshua; Pace, Patti; Monninger, John; Bradford, Anna; Dhir, Neha; Clark, Lisa; Fopma, Melody; Marshall, Michael; Gibbs, Catina; Speiser, Herald
Subject: April 14 1000 Japan Event TA Briefing

Roy Zimmerman is ET Director

Plant status is about the same

Unit 4 spent fuel pool is confirmed that it is filled above the fuel level with water. Isotopic analysis indicates there was no damage. Iodine in the water sample indicates there may have been a criticality, possibly from another unit. At one time it was thought unit 4 pool was empty and on fire. Still working to understand this information, but seen as good news.

Casto indicates team is focused on turnover with new staff. 6 people left yesterday. Current team is 11 individuals.

Embassy is preparing for return of US citizens to Tokyo area. DOS will be issuing a memo. Schools start on Monday. Info will be provided on monitoring food supply, and other questions. Distribution of KI will stop since it is not needed.

Flyover indicated some higher Cs levels near Tokyo.

Casto is getting prepared to brief Clinton on Sunday

Casto will meet with TEPCO to discuss short, medium and long term plans and to make them aware of our composite paper. The composite paper includes the 50 mile reduction consideration and grab and go policy

About 500 people on Fukushima site. Doing some rubble removal. Primary focus is water management and ensuring fuel cooling.

NHK reported that tsunami was 2.5 times higher than design - design was for 7 meters, and that plant design was focused on earthquake.

PACOM is looking for longer term access to NRC. Working to identify how to address that request. There is currently one assignee

NRC/DOE working in ingestion pathway.

CBS/60 minutes doing a scouting visit today for a future story
Senator Mikulski will be visiting the Ops Center at 1000 on Monday

Thomas Hipschman
Policy Advisor for Reactors
Office of Chairman Gregory B. Jaczko
301-415-1832

From: Jaczko, Gregory
Sent: Friday, April 15, 2011 7:00 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: April 15 - 0700EDT One-Pager - Fukushima Daiichi
Attachments: Japan One Pager 0700 EDT 4-15-11.pdf

From: OST01 HOC
Sent: Friday, April 15, 2011 6:59:56 AM
To: Jaczko, Gregory; Virgilio, Martin; Weber, Michael; Boger, Bruce; Johnson, Michael; Zimmerman, Roy; Uhle, Jennifer; Tracy, Glenn; Wiggins, Jim; Carpenter, Cynthia; Moore, Scott
Cc: Pace, Patti; Batkin, Joshua; Gibbs, Catina; Speiser, Herald; Hipschman, Thomas; Marshall, Michael; Castleman, Patrick; Snodderly, Michael; Franovich, Mike
Subject: April 15 - 0700EDT One-Pager - Fukushima Daiichi
Auto forwarded by a Rule

Attached, please find the 0700 EDT, April 15, 2011, Briefing Sheet (One Pager).

Please note that this information is "~~Official Use Only~~."

From: Jaczko, Gregory
Sent: Tuesday, April 19, 2011 12:52 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: USNRC Earthquake-Tsunami Update 041911 Revision 1, 1300 EDT
Attachments: USNRC Earthquake-Tsunami Update 041911 Revision 1, 1300 EDT.pdf

From: LIA08 Hoc

Sent: Tuesday, April 19, 2011 12:52:01 PM

To: OST01 HOC; A Green; A Rock; Al Coons; Aleshia Duncan; alexancg; Anthony Herbold; Appleman Binkert; B Green; B Russo; Bill King; Bill King2; Bruce Howard; C Lay; C Noser; C Ops; Charles Burrows; Charles Donnell; Christopher Meadow; Clinton Carroll; Conrad Burnside; D Drakeley; D May; D Murakami; D Webb; Damian Peko; Dan Feighert; Darrell Hammons; DHS Ops; DOE NIT; DOT; DTRA; DTRA; Dudek; E Wright; Elmer Naples; EOP; EPA; EPA2; Eric Sinibaldi; F Lewis; G Szeto; G Whitmire; George Higdon; gregopk; Gregory Simonson; Gretchen McCoy; H; Harry Sherwood; HHS; I Clark; Intel DIA; J Barnes; J Bartlett; J Moeller; J Noonkester; J Szymanski; J Tippets; James Purvis; Japan Embassy Task Force; Japan Pentagon; Jason CIA; Jason Pepin; Jeffrey Conran; Jeremy Demott; Jeremy Morrow; Jeremyft1; Jim Kish; Johanna Berkey; John Holdren; Joyce Connery; K Donald; K Gonzalez; K Ousley; Karyn Keller; Kyle Viayra; L Mayer; Lee Nickel; Lee-Jake Strunk; Lisa; Lisa Hammond; Lukas McMichael; M Huchla; M Kerber; M Lansley; M Thon; M Thon2; maceck; MARFORPAC CAT All Hazards Div; MARFORPAC CAT G2; Mark Shaffer; markwb2; Marshall Shull; Michelle Ralston; Nan Calhoun; Navy; NICC; NMIC; NOC; NOC Duty Director; Nulcear SSA; P Gardner; pentagon; Peter Lyons; Phillip Barks; R Roesler; R Schueneman; Rebecca Thomson; roberhh; Ron Cherry; Ron McCabe; S Basile; S Buntman; S Levy; scotc1; Seamus O'Boyle; seiden; state; Stephen Trautman; Steve Colman; Steve Horwitz; T Gatling; T Roberts; Thomas Conran; Thomas Zerr; Tim Greden; Timothy Hitzelberger; Trent Hughes; Troy Heytens; USDA, John; USMC; Vanessa Quinn; Victoria Kinsey; W Cluff; W Young; Will Friese; William Harding; William Webb; A Aviles; A Brown; A Estes; A Hough; A Tribble; B goldberg; B Moffat; B Perry; B Woo; Beavers, Shane; Brinser, Andrew; Brooks, Andrae; Brown, Michael; C Fiore; C Good; C Kim; Carlos Islas; CPF CATN5; Craig Gaddis; D Fletcher; D Putthoff; D Scully; D Smith; D Souza; D Wade; D Williams; David Graves; DOE DART; E Fiser; E kaye; E Price; E Shelland; E Train; Elder, Troy M SGT MIL USA USARPAC; Eric Wright; F Bantell; Fossum, Sgt Zachary; Guathier, Ronald; H Zito; Hickam; Hickam; J Blankenburg; J Kreykes; J McCallister; J Rhodes; J Rivera; J Scarbrough; J Soderbeck; J Stewart; J Trussler; James Williams; JR Haley; JTF505-MAIN-JOC-J2; JTF505-MAIN-JOC-J2-INTEL-ANAY; K Bollow; K Bollow; K Tomlinson; Koluch, SSgt Eric; L Bolling; L Elkins; L Heinrich; L Walter; M Howsare; M Kabbur; M Nguyen; M Opfer; M Taafe; M Thon; M Thon; Marina Llewellyn; Michael Anderson; Micheael Eberlein; Monaghan, Dylan; N Albritton; N Albritton; NCMI Ops; Office of Secretary of Defense Watch Officer ; Olson, Niels; P Almquist; P Higgins; P Lyons; P Smalley; P Somboonpakron; PACOM; PACOM; Pasit Somboonpakron; Powers, Jeffrey; R Backley; R Fisher; R Garrett; R Neff; R Stephenson; R Tashma; Richard, Sgt William; Robert Duke; Robert P; RST01 Hoc; RST01B Hoc; RST03 Hoc; S Aoki; S Jerabek; Sean Basile; Shirey, Sgt Eric; Simmers, Keith; Spencer Nordgran; Spurlock, Kenneth; Stephen Greco;

T Baden; T Lowman; T Miller; T Reeves; T Reeves; T True; Tovar, SSgt Eric;

(b)(6)

; USFJ; USFJ Intel; V Raphael; Valerie Makino;

Vaughn, Sgt Jerrod; Walter Hokett; Wanda Ayuso; William Brysacz;
Andersen, James; Anderson, Joseph; Ash, Darren; Baggett, Steven;
Barker, Allan; Batkin, Joshua; Boger, Bruce; Borchardt, Bill;
Bradford, Anna; Brenner, Eliot; Breskovic, Clarence; Smith, Brooke;
Brown, Frederick; Brown, Milton; Bubar, Patrice; Burns, Stephen;
Camper, Larry; Carpenter, Cynthia; Castleman, Patrick; Ader, Charles;
Casto, Chuck; Coggins, Angela; Collins, Elmo; ConE_Resource;
Copeland, Douglas; Correia, Richard; Craffey, Ryan; Dapas, Marc;
Dean, Bill; Decker, David; Diaz-Sanabria, Yoira;
Dickman-Disabled-11/14/2010, Paul; Dorman, Dan; Droggitis, Spiros;
Dyer, Jim; English, Lance; ET02 Hoc; Evans, Michele; Franovich, Mike;
Frye, Timothy; Garmon, David; Apostolakis, George; Gibbs, Catina;
Giitter, Joseph; Gott, William; Grobe, Jack; Hahn, Matthew;
Haney, Catherine; Harrington, Holly; Hipschman, Thomas; Hoc, PMT12;
Holahan, Gary; Holahan, Patricia; HOO Hoc; Howe, Allen; Howell, Art;
Howell, Linda; Issa, Alfred; Itzkowitz, Marvin; Foster, Jack;
Jackson, Donald; Jaczko, Gregory; Johnson, Andrea; Johnson, Michael;
Jones, Cynthia; Kahler, Robert; King, Mark; 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; McIntosh, Angela; McNamara, Nancy; Michalak, Paul;
Miller, Charles; Miller, Chris; Monninger, John; Morris, Scott;
Nease, Rebecca; Nieh, Ho; NRCHQ; NSIR_DDSP_ILTAB_Distribution;
Ordaz, Vonna; Orders, William; OST05 Hoc; Ostendorff, William;
Pace, Patti; Patel, Jay; Pearson, Laura; Pederson, Cynthia; Plisco, Loren;
Powell, Amy; Quichocho, Jessie; R1 IRC; R2 IRC; R3 IRC; R4 IRC;
Reddick, Darani; Reyes, Luis; Devercelly, Richard; Nelson, Robert;
ROO hoc; Rothschild, Trip; Satorius, Mark; Schmidt, Rebecca;
Sharkey, Jeffry; Sheron, Brian; Sigmon, Rebecca; Snodderly, Michael;
Sosa, Belkys; Speiser, Herald; Svinicki, Kristine; Tabatabai, Omid;
Thoma, John; Thomas, Eric; Tifft, Doug; Kolb, Timothy; Ulses, Anthony;
Nakanishi, Tony; Tracy, Glenn; Trapp; Trapp, James; Trojanowski, Robert;
Turtill, Richard; Uhle, Jennifer; Virgilio, Martin; Warnick, Greg;
Warren, Roberta; Weber, Michael; Westreich, Barry; Wiggins, Jim;
Cook, William; Williams, Kevin; Wittick, Brian; Woodruff, Gena;
Zimmerman, Roy; Zimmerman, Roy; Zorn, Jason; Borchardt, Bill;
Cohen, Shari; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley;
Hudson, Sharon; Schwarz, Sherry; Sprogeris, Patricia; Taylor, Renee;
Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael

Subject: USNRC Earthquake-Tsunami Update 041911 Revision 1, 1300 EDT

Auto forwarded by a Rule

Subject: Phone Call: Ambassador Davies
Location: O17D01

Start: Wed 4/20/2011 9:15 AM
End: Wed 4/20/2011 9:30 AM

Recurrence: (none)

Meeting Status: Accepted

Organizer: Gibbs, Catina
Required Attendees: Warren, Roberta; Pace, Patti

When: Wednesday, April 20, 2011 9:15 AM-9:30 AM (GMT-05:00) Eastern Time (US & Canada).
Where: O17D01

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

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

Ambassador Davies' Office will initiate the call

From: Jaczko, Gregory
Sent: Wednesday, April 20, 2011 1:01 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: April 20, 2011 NRC Emergency Operations Center Status Update
Attachments: USNRC Earthquake-Tsunami Update 042011 1300 EDT.pdf

From: LIA08 Hoc
Sent: Wednesday, April 20, 2011 1:00:40 PM
To: LIA08 Hoc
Subject: FW: April 20, 2011 NRC Emergency Operations Center Status Update
Auto forwarded by a Rule

Liaison Team Coordinator
US Nuclear Regulatory Commission
email: lia08.hoc@nrc.gov
Desk Ph: 301-816-5185

From: LIA08 Hoc
Sent: Wednesday, April 20, 2011 12:58 PM
To: Temple, Jeffrey
Subject: April 20, 2011 NRC Emergency Operations Center Status Update

Jeff Temple
Liaison Team Coordinator
US Nuclear Regulatory Commission
email: lia08.hoc@nrc.gov
Desk Ph: 301-816-5185

From: Jaczko, Gregory
Sent: Thursday, April 21, 2011 2:37 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Japan One Pager 1500 EDT 4-21-11
Attachments: Japan One Pager 1500 EDT 4-21-11.pdf

From: OST01 HOC
Sent: Thursday, April 21, 2011 2:37:18 PM
To: Batkin, Joshua; Boger, Bruce; Carpenter, Cynthia; Castleman, Patrick; Franovich, Mike; Gibbs, Catina; Hipschman, Thomas; Hoc, PMT12; Jaczko, Gregory; Johnson, Michael; LIA08 Hoc; Marshall, Michael; Moore, Scott; Orders, William; Pace, Patti; RST01 Hoc; Snodderly, Michael; Speiser, Herald; Tracy, Glenn; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wiggins, Jim; Zimmerman, Roy
Subject: Japan One Pager 1500 EDT 4-21-11
Auto forwarded by a Rule

Good Afternoon,

Attached, please find April 21, 2011 – 1500 EDT One-Pager – Fukushima Daiichi with updates from the 0700 - 1500 shift.

Please note that this information is "~~Official Use Only.~~"

Thanks,
Christine

Christine A. Steger
Executive Support Team
US Nuclear Regulatory Commission
email: ost01hoc@nrc.gov
Ph: 301-816-5100

From: Jaczko, Gregory
Sent: Thursday, April 21, 2011 10:49 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: One-Pager - April 21, 2011 - 2300 EDT One-Pager - Fukushima Daiichi
Attachments: Japan One Pager 2300 EDT 4-21-11.pdf

From: OST01 HOC
Sent: Thursday, April 21, 2011 10:49:10 PM
To: Batkin, Joshua; Boger, Bruce; Carpenter, Cynthia; Castleman, Patrick; Franovich, Mike; Gibbs, Catina; Hipschman, Thomas; Hoc, PMT12; Jaczko, Gregory; Johnson, Michael; LIA08 Hoc; Marshall, Michael; Moore, Scott; Orders, William; Pace, Patti; RST01 Hoc; Snodderly, Michael; Speiser, Herald; Tracy, Glenn; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wiggins, Jim; Zimmerman, Roy
Subject: One-Pager - April 21, 2011 - 2300 EDT One-Pager - Fukushima Daiichi
Auto forwarded by a Rule

Attached, please find April 21, 2011 – 2300 EDT One-Pager – Fukushima Daiichi.

Please note that this information is "Official Use Only."

From: Jaczko, Gregory
Sent: Monday, April 25, 2011 12:03 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: USNRC Earthquake-Tsunami Update 042511 1200 EDT ---- pmt edits
Attachments: USNRC Earthquake-Tsunami Update 042511 1200 EDT ---- pmt edits .pdf

From: LIA08 Hoc
Sent: Monday, April 25, 2011 12:02:14 PM
To: A Green; A Rock; Al Coons; Aleshia Duncan; alexancg; Anthony Herbold; Appleman Binkert; B Green; B Russo; Bill King; Bill King2; Bruce Howard; C Lay; C Noser; C Ops; Charles Burrows; Charles Donnell; Christopher Meadow; Clinton Carroll; Conrad Burnside; D Drakeley; D May; D Murakami; D Webb; Damian Peko; Dan Feighert; Darrell Hammons; DHS Ops; DOE NIT; DOT; DTRA; DTRA; Dudek; E Wright; Elmer Naples; EOP; EPA; EPA2; Eric Sinibaldi; F Lewis; G Szeto; G Whitmire; George Higdon; gregopk; Gregory Simonson; Gretchen McCoy; H; Harry Sherwood; HHS; I Clark; Intel DIA; J Barnes; J Bartlett; J Moeller; J Noonkester; J Szymanski; J Tippets; James Purvis; Japan Embassy Task Force; Japan Pentagon; Jason CIA; Jason Pepin; Jeffrey Conran; Jeremy Demott; Jeremy Morrow; Jeremyft1; Jim Kish; Johanna Berkey; John Holdren; Joyce Connery; K Donald; K Gonzalez; K Ousley; Karyn Keller; Kyle Viayra; L Mayer; Lee Nickel; Lee-Jake Strunk; Lisa; Lisa Hammond; Lukas McMichael; M Huchla; M Kerber; M Lansley; M Thon; M Thon2; maceck; MARFORPAC CAT All Hazards Div; MARFORPAC CAT G2; Mark Shaffer; markwb2; Marshall Shull; Michelle Ralston; Nan Calhoun; Navy; NICC; NMIC; NOC; NOC Duty Director; Nulcear SSA; P Gardner; pentagon; Peter Lyons; Phillip Barks; R Roesler; R Schueneman; Rebecca Thomson; roberthh; Ron Cherry; Ron McCabe; S Basile; S Buntman; S Levy; scotc1; Seamus O'Boyle; seiden; state; Stephen Trautman; Steve Colman; Steve Horwitz; T Gatling; T Roberts; Thomas Conran; Thomas Zerr; Tim Grefen; Timothy Hitzelberger; Trent Hughes; Troy Heytens; USDA, John; USMC; Vanessa Quinn; Victoria Kinsey; W Cluff; W Young; Will Friese; William Harding; William Webb; A Aviles; A Brown; A Estes; A Hough; A Tribble; B goldberg; B Moffat; B Perry; B Woo; Beavers, Shane; Brinser, Andrew; Brooks, Andrae; Brown, Michael; C Fiore; C Good; C Kim; Carlos Islas; CPF CATN5; Craig Gaddis; D Fletcher; D Putthoff; D Scully; D Smith; D Souza; D Wade; D Williams; David Graves; DOE DART; E Fiser; E kaye; E Price; E Shelland; E Train; Elder, Troy M SGT MIL USA USARPAC; Eric Wright; F Bantell; Fossum, Sgt Zachary; Guathier, Ronald; H Zito; Hickam; Hickam; J Blankenburg; J Kreykes; J McCallister; J Rhodes; J Rivera; J Scarbrough; J Soderbeck; J Stewart; J Trussler; James Williams; JR Haley; JTF505-MAIN-JOC-J2; JTF505-MAIN-JOC-J2-INTEL-ANAY; K Bollow; K Bollow; K Tomlinson; Koluch, SSgt Eric; L Bolling; L Elkins; L Heinrich; L Walter; Laurel Steinhurst ; M Howsare; M Kabbur; M Nguyen; M Opfer; M Taafe; M Thon; Marina Llewellyn; Michael Anderson; Micheael Eberlein; Monaghan, Dylan; N Albritton; N Albritton; NCMI Ops; Office of Secretary of Defense Watch Officer ; Olson, Niels; P Almquist; P Higginbotham; P Higgins; P Lyons; P Smalley; P Somboonpakron; PACOM; PACOM; Pasit Sombookpakron; Powers, Jeffrey; R Backley; R Fisher; R Garrett; R Neff; R Stephenson; R Tashma; Reid Tanaka; Richard, Sgt William; Robert Duke; Robert P; RST01 Hoc; RST01B Hoc; RST03 Hoc; S Aoki; S Jerabek; Sean Basile; Shirey, Sgt Eric;

Simmers, Keith; Spencer Nordgran; Spurlock, Kenneth; Stephen Greco;
 T Baden; T Lowman; T Miller; T Reeves; T Reeves; T True; Thomas Vavoso;
 Tovar, SSgt Eric; (b)(6); USFJ; USFJ Intel; V Raphael;
 Valerie Makino; Vaughn, Sgt Jerrod; Walter Hokett; Wanda Ayuso;
 William Brysacz; Andersen, James; Anderson, Joseph; Ash, Darren;
 Baggett, Steven; Barker, Allan; Batkin, Joshua; Boger, Bruce;
 Borchardt, Bill; Bradford, Anna; Brenner, Eliot; Breskovic, Clarence;
 Smith, Brooke; Brown, Frederick; Brown, Milton; Bubar, Patrice;
 Burns, Stephen; Camper, Larry; Carpenter, Cynthia; Castleman, Patrick;
 Ader, Charles; Murray, Charles; Casto, Chuck; Coggins, Angela;
 Collins, Elmo; ConE_Resource; Copeland, Douglas; Correia, Richard;
 Craffey, Ryan; Dapas, Marc; Dean, Bill; Decker, David;
 Diaz-Sanabria, Yoira; Dickman-Disabled-11/14/2010, Paul; Dorman, Dan;
 Droggitis, Spiros; Dyer, Jim; English, Lance; ET02 Hoc; Evans, Michele;
 Franovich, Mike; Frye, Timothy; Garmon, David; Apostolakis, George;
 Gibbs, Catina; Gitter, Joseph; Gott, William; Grobe, Jack; Hahn, Matthew;
 Haney, Catherine; Harrington, Holly; Hipschman, Thomas; Hoc, PMT12;
 Holahan, Gary; Holahan, Patricia; Holahan, Vincent; HOO Hoc; Howe, Allen;
 Howell, Art; Howell, Linda; Issa, Alfred; Itzkowitz, Marvin; Foster, Jack;
 Jackson, Donald; Jaczko, Gregory; Johnson, Andrea; Johnson, Michael;
 Jones, Cynthia; Kahler, Robert; King, Mark; Foggie, Kirk; Kock, Andrea;
 Kozal, Jason; Leeds, Eric; LIA08 Hoc; Logaras, Harral; Loyd, Susan;
 Magwood, William; Maier, Bill; Marshall, Jane; Marshall, Michael;
 McCree, Victor; McDermott, Brian; McIntosh, Angela; McNamara, Nancy;
 Michalak, Paul; Miller, Charles; Miller, Chris; Monninger, John;
 Morris, Scott; Nease, Rebecca; Nieh, Ho; NRCHQ;
 NSIR_DDSP_ILTAB_Distribution; Ordaz, Vonna; Orders, William; OST05 Hoc;
 Ostendorff, William; Pace, Patti; Patel, Jay; Pearson, Laura;
 Pederson, Cynthia; Plisco, Loren; Powell, Amy; Quichocho, Jessie; R1 IRC;
 R2 IRC; R3 IRC; R4 IRC; Reddick, Darani; Reyes, Luis; Devercelly, Richard;
 Riley (OCA), Timothy; Nelson, Robert; ROO hoc; Rothschild, Trip;
 Satorius, Mark; Schmidt, Rebecca; Sharkey, Jeffry; Sheron, Brian;
 Sigmon, Rebecca; Snodderly, Michael; Sosa, Belkys; Speiser, Herald;
 Svinicki, Kristine; Tabatabai, Omid; Thoma, John; Thomas, Eric;
 Tift, Doug; Kolb, Timothy; Uises, Anthony; Nakanishi, Tony; Tracy, Glenn;
 Trapp, Trapp, James; Trojanowski, Robert; Turtill, Richard; 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;
 Borchardt, Bill; Cohen, Shari; Cooper, LaToya; Dyer, Jim; ET07 Hoc;
 Flory, Shirley; Hudson, Sharon; Schwarz, Sherry; Sprogeris, Patricia;
 Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena;
 Weber, Michael

Subject: USNRC Earthquake-Tsunami Update 042511 1200 EDT — pmt edits
Auto forwarded by a Rule

From: Gibbs, Catina
Sent: Tuesday, April 26, 2011 7:59 AM
To: Pace, Patti
Subject: FW: April 26 - 0700EDT One-Pager-Fukushima Daiichi
Attachments: Japan One Pager 0700 EDT 4-26-11.pdf

I added this to the Chairman's Binder.

From: OST01 HOC
Sent: Tuesday, April 26, 2011 5:59 AM
To: Batkin, Joshua; Boger, Bruce; Carpenter, Cynthia; Castleman, Patrick; Franovich, Mike; Gibbs, Catina; Hipschman, Thomas; Hoc, PMT12; Jaczko, Gregory; Johnson, Michael; LIA08 Hoc; Marshall, Michael; Moore, Scott; Orders, William; Pace, Patti; RST01 Hoc; Snodderly, Michael; Speiser, Herald; Tracy, Glenn; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wiggins, Jim; Zimmerman, Roy
Subject: April 26 - 0700EDT One-Pager-Fukushima Daiichi

Attached, please find the April 26 – 0700 EDT One-Pager – Fukushima Daiichi.

~~***Please note that this attachment is OUG***~~

Subject: Pre-Longterm Scheduling Meeting
Location: Chairman's Conference Room

Start: Thu 4/28/2011 12:00 PM
End: Thu 4/28/2011 1:00 PM

Recurrence: (none)

Meeting Status: Meeting organizer

Organizer: Pace, Patti
Required Attendees: Batkin, Joshua; Coggins, Angela; Loyd, Susan; Monninger, John; Warren, Roberta;
Abrams, Charlotte; Muesle, Mary; Brenner, Eliot; Schmidt, Rebecca; Powell, Amy; Gibbs,
Catina

Hope you can join us on Thursday instead of Wednesday this week. Thanks!

From: Jaczko, Gregory
Sent: Thursday, April 28, 2011 12:30 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: USNRC Earthquake-Tsunami Update 042811 Revision 1, 1230 EDT
Attachments: USNRC Earthquake-Tsunami Update 042811 Revision 0, 1200 EDT.pdf

From: LIA08 Hoc

Sent: Thursday, April 28, 2011 12:29:59 PM

To: OST01 HOC; A Green; A Rock; Al Coons; Aleshia Duncan; alexancg; Anthony Herbold; Appleman Binkert; B Green; B Russo; Bill King; Bill King2; Bruce Howard; C Lay; C Noser; C Ops; Charles Burrows; Charles Donnell; Christopher Meadow; Conrad Burnside; D Drakeley; D May; D Murakami; D Webb; Damian Peko; Dan Feighert; Darrell Hammons; Devin Bush G LTJG RIA-Midwest MPLS.N47922; DHS Ops; DOE NIT; DOT; DTRA; DTRA; Dudek; E Wright; Elmer Naples; EOP; EPA; EPA2; Eric Sinibaldi; F Lewis; G Szeto; G Whitmire; George Higdon; gregopk; Gregory Simonson; Gretchen McCoy; H; Harry Sherwood; HHS; I Clark; Intel DIA; J Barnes; J Bartlett; J Moeller; J Noonkester; J Szymanski; J Tippets; James Purvis; Japan Embassy Task Force; Jason CIA; Jason Pepin; Jeremy Demott; Jeremy Morrow; Jeremyft1; Jim Kish; Johanna Berkey; John Holdren; Joyce Connery; K Donald; K Gonzalez; K Ousley; Karyn Keller; Kyle Viayra; L Mayer; Lee Nickel; Lisa; Lisa Hammond; Lukas McMichael; M Huchla; M Kerber; M Lansley; M Thon; M Thon2; maceck; MARFORPAC CAT All Hazards Div; MARFORPAC CAT G2; Mark Shaffer; markwb2; Marshall Shull; Michelle Ralston; Nan Calhoun; Navy; NICC; NMIC; NOC; NOC Duty Director; Nulcear SSA; P Gardner; pentagon; Peter Lyons; Phillip Barks; R Roesler; R Schueneman; Rebecca Thomson; roberhh; Ron Cherry; Ron McCabe; S Basile; S Buntman; S Levy; scotc1; Seamus O'Boyle; seiden; state; Stephen Trautman; Steve Colman; Steve Horwitz; T Roberts; Thomas Conran; Thomas Zerr; Tim Greten; Timothy Hitzelberger; Trent Hughes; Troy Heytens; USDA, John; USMC; Vanessa Quinn; Victoria Kinsey; W Cluff; W Young; Will Friese; William Webb; A Aviles; A Brown; A Estes; A Hough; A Tribble; B goldberg; B Moffat; B Perry; B Woo; Beavers, Shane; Brinser, Andrew; Brooks, Andrae; Brown, Michael; C Fiore; C Good; C Kim; Carlos Islas; CPF CATN5; Craig Gaddis; D Fletcher; D Putthoff; D Scully; D Smith; D Souza; D Wade; D Williams; David Graves; DOE DART; E Fiser; E kaye; E Price; E Shelland; E Train; Elder, Troy M SGT MIL USA USARPAC; Eric Wright; F Bantell; Fossum, Sgt Zachary; Guathier, Ronald; H Zito; Hickam; Hickam; J Blankenburg; J Kreykes; J McCallister; J Rhodes; J Rivera; J Scarbrough; J Soderbeck; J Stewart; J Trussler; James Williams; JR Haley; JTF505-MAIN-JOC-J2; JTF505-MAIN-JOC-J2-INTEL-ANAY; K Bollow; K Bollow; K Tomlinson; Koluch, SSgt Eric; L Bolling; L Elkins; L Heinrich; L Walter; Laurel Steinhurst; M Howsare; M Kabbur; M Nguyen; M Opfer; M Taafe; Marina Llewellyn; Michael Anderson; Micheael Eberlein; Monaghan, Dylan; N Albritton; N Albritton; NCMI Ops; Office of Secretary of Defense Watch Officer; Olson, Niels; OST01 HOC; P Almquist; P Higginbotham; P Higgins; P Lyons; P Smalley; P Somboonpakron; PACOM; PACOM; Pasit Sombookpakron; Powers, Jeffrey; R Backley; R Fisher; R Garrett; R Neff; R Stephenson; R Tashma; Reid Tanaka; Richard, Sgt William; Robert Duke; Robert P; RST01 Hoc; RST01B Hoc; RST03 Hoc; S Aoki; S Jerabek; Sean Basile; Shirey, Sgt Eric; Simmers, Keith; Spencer Nordgran; Spurlock, Kenneth; Stephen Greco;

T Lowman; T Miller; T True; Thomas Vavoso; Tovar, SSgt Eric;

(b)(6)

; USFJ; USFJ Intel; V Raphael; Valerie Makino;

Vaughn, Sgt Jerrod; Walter Hokett; Wanda Ayuso; William Brysacz;
Andersen, James; Anderson, Joseph; Ash, Darren; Baggett, Steven;
Barker, Allan; Batkin, Joshua; Boger, Bruce; Borchardt, Bill;
Bradford, Anna; Brenner, Eliot; Breskovic, Clarence; Smith, Brooke;
Brown, Frederick; Brown, Milton; Bubar, Patrice; Burns, Stephen;
Camper, Larry; Carpenter, Cynthia; Castleman, Patrick; Ader, Charles;
Murray, Charles; Casto, Chuck; Coggins, Angela; Collins, Elmo;
ConE_Resource; Copeland, Douglas; Correia, Richard; Craffey, Ryan;
Dapas, Marc; Dean, Bill; Decker, David; Diaz-Sanabria, Yoira;
Dickman-Disabled-11/14/2010, Paul; Dorman, Dan; Droggitis, Spiros;
Dyer, Jim; English, Lance; ET02 Hoc; Evans, Michele; Franovich, Mike;
Frye, Timothy; Garmon, David; Apostolakis, George; Gibbs, Catina;
Giitter, Joseph; Gott, William; Grobe, Jack; Hahn, Matthew;
Haney, Catherine; Harrington, Holly; Hipschman, Thomas; Hoc, PMT12;
Holahan, Gary; Holahan, Patricia; Holahan, Vincent; HOO Hoc; Howe, Allen;
Howell, Art; Howell, Linda; Issa, Alfred; Itzkowitz, Marvin; Foster, Jack;
Jackson, Donald; Jaczko, Gregory; Johnson, Andrea; Johnson, Michael;
Jones, Cynthia; Kahler, Robert; King, Mark; Foggie, Kirk; Kock, Andrea;
Kozal, Jason; Leeds, Eric; LIA08 Hoc; Logaras, Haral; Loyd, Susan;
Magwood, William; Maier, Bill; Marshall, Jane; Marshall, Michael;
McCree, Victor; McDermott, Brian; McIntosh, Angela; McNamara, Nancy;
Michalak, Paul; Miller, Charles; Miller, Chris; Monninger, John;
Morris, Scott; Nease, Rebecca; Nieh, Ho; NRCHQ;
NSIR_DDSP_ILTAB_Distribution; Ordaz, Vonna; Orders, William; OST05 Hoc;
Ostendorff, William; Pace, Patti; Patel, Jay; Pearson, Laura;
Pederson, Cynthia; Plisco, Loren; Powell, Amy; Quichocho, Jessie; R1 IRC;
R2 IRC; R3 IRC; R4 IRC; Reddick, Darani; Reyes, Luis; Devercelly, Richard;
Riley (OCA), Timothy; Nelson, Robert; ROO hoc; Rothschild, Trip;
Satorius, Mark; Schmidt, Rebecca; Sharkey, Jeffry; Sheron, Brian;
Sigmon, Rebecca; Snodderly, Michael; Sosa, Belkys; Speiser, Herald;
Svinicki, Kristine; Tabatabai, Omid; Thoma, John; Thomas, Eric;
Tift, Doug; Kolb, Timothy; Ulses, Anthony; Nakanishi, Tony; Tracy, Glenn;
Trapp, James; Trojanowski, Robert; Turtill, Richard; 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;
Borchardt, Bill; Cohen, Shari; Cooper, LaToya; Dyer, Jim; ET07 Hoc;
Flory, Shirley; Hudson, Sharon; Schwarz, Sherry; Sprogeris, Patricia;
Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena;
Weber, Michael

Subject: USNRC Earthquake-Tsunami Update 042811 Revision 1, 1230 EDT

Auto forwarded by a Rule

This information is **OFFICIAL USE ONLY**. Revision 1 to the 1200 distribution changes from earlier distribution are highlighted

From: ET02 Hoc
Sent: Friday, April 29, 2011 2:07 AM
To: Zimmerman, Roy; Batkin, Joshua; Boger, Bruce; Carpenter, Cynthia; Castleman, Patrick; Franovich, Mike; Gibbs, Catina; Hipschman, Thomas; Hoc, PMT12; Jaczko, Gregory; Johnson, Michael; LIA08 Hoc; Marshall, Michael; Moore, Scott; Orders, William; Pace, Patti; RST01 Hoc; Snodderly, Michael; Speiser, Herald; Tracy, Glenn; Uhle, Jennifer; Virgilio, Martin; Weber, Michael; Wiggins, Jim
Cc: RST01 Hoc; Hoc, PMT12; LIA08 Hoc
Subject: April 19 - 2200 EDT One-Pager - Fukushima Daiichi
Attachments: Japan One Pager 2200 EDT 4-19-11 (3).pdf

Attached, please find the April 19 - 2200 EDT One-Pager - Fukushima Daiichi

*****Please note that this information is "Official Use Only."*****

From: Jaczko, Gregory
Sent: Friday, April 29, 2011 12:12 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: USNRC Emergency Operations Center Status Update 04292011 1200 EDT
Attachments: USNRC Earthquake-Tsunami Update 042911 Revision 1200 EDT.docx

From: LIA08 Hoc
Sent: Friday, April 29, 2011 12:11:44 PM
To: A Green; A Rock; Al Coons; Aleshia Duncan; alexancg; Anthony Herbold; Appleman Binkert; B Green; B Russo; Bill King; Bill King2; Bruce Howard; C Lay; C Noser; C Ops; Charles Burrows; Charles Donnell; Christopher Meadow; Conrad Burnside; D Drakeley; D May; D Murakami; D Webb; Damian Peko; Dan Feighert; Darrell Hammons; Devin Bush G LTJG RIA-Midwest MPLS.N47922; DHS Ops; DOE NIT; DOT; DTRA; DTRA; Dudek; E Wright; Elmer Naples; EOP; EPA; EPA2; Eric Sinibaldi; F Lewis; G Szeto; G Whitmire; George Higdon; gregopk; Gregory Simonson; Gretchen McCoy; H; Harry Sherwood; HHS; I Clark; Intel DIA; J Barnes; J Bartlett; J Moeller; J Noonkester; J Szymanski; J Tippets; James Purvis; Japan Embassy Task Force; Jason CIA; Jason Pepin; Jeremy Demott; Jeremy Morrow; Jeremyf1; Jim Kish; Johanna Berkey; John Holdren; Joyce Connery; K Donald; K Gonzalez; K Ousley; Karyn Keller; Kyle Viayra; L Mayer; Lee Nickel; Lisa; Lisa Hammond; Lukas McMichael; M Huchla; M Kerber; M Lansley; M Thon; M Thon2; maceck; MARFORPAC CAT All Hazards Div; MARFORPAC CAT G2; Mark Shaffer; markwb2; Marshall Shull; Michelle Ralston; Nan Calhoun; Navy; NICC; NMIC; NOC; NOC Duty Director; Nulcear SSA; P Gardner; pentagon; Peter Lyons; Phillip Barks; R Roesler; R Schueneman; Rebecca Thomson; roberhh; Ron Cherry; Ron McCabe; S Basile; S Buntman; S Levy; scotc1; Seamus O'Boyle; seiden; state; Stephen Trautman; Steve Colman; Steve Horwitz; T Roberts; Thomas Conran; Thomas Zerr; Tim Greten; Timothy Hitzelberger; Trent Hughes; Troy Heytens; USDA, John; USMC; Vanessa Quinn; Victoria Kinsey; W Cluff; W Young; Will Friese; William Webb; A Aviles; A Brown; A Estes; A Hough; A Tribble; B goldberg; B Moffat; B Perry; B Woo; Beavers, Shane; Brinser, Andrew; Brooks, Andrae; Brown, Michael; C Fiore; C Good; C Kim; Carlos Islas; CPF CATN5; Craig Gaddis; D Fletcher; D Putthoff; D Scully; D Smith; D Souza; D Wade; D Williams; David Graves; DOE DART; E Fiser; E kaye; E Price; E Shelland; E Train; Elder, Troy M SGT MIL USA USARPAC; Eric Wright; F Bantell; Floyd Lewis; Fossum, Sgt Zachary; Guathier, Ronald; H Zito; Hickam; Hickam; J Blankenburg; J Kreykes; J McCallister; J Rhodes; J Rivera; J Scarbrough; J Soderbeck; J Stewart; J Trussler; James Williams; JR Haley; JTF505-MAIN-JOC-J2; JTF505-MAIN-JOC-J2-INTEL-ANAY; K Bollow; K Bollow; K Tomlinson; Koluch, SSgt Eric; L Bolling; L Elkins; L Heinrich; L Walter; Laurel Steinhurst ; Lay, Christopher; M Howsare; M Kabbur; M Nguyen; M Opfer; M Taafe; M Thon; Marina Llewellyn; Mark Russo; Michael Anderson; Micheael Eberlein; Monaghan, Dylan; N Albritton; N Albritton; NCMI Ops; Office of Secretary of Defense Watch Officer ; Olson, Niels; OST01 HOC; P Almquist; P Higginbotham; P Higgins; P Lyons; P Smalley; P Somboonpakron; PACOM; PACOM; Pasit Sombookpakron; Powers, Jeffrey; R Backley; R Fisher; R Garrett; R Neff; R Stephenson; R Tashma; Reid Tanaka; Richard, Sgt William; Robert Duke; Robert P; RST01 Hoc; RST01B Hoc; RST03 Hoc; S Aoki; S Jerabek; Sean Basile; Shirey, Sgt Eric; Simmers, Keith; Spencer Nordgran; Spurlock, Kenneth;

Stephen Greco; T Lowman; T Miller; T True; Thomas Vavoso;
Tovar, SSgt Eric; (b)(6) USFJ; USFJ Intel; V Raphael;
Valerie Makino; Vaughn, Sgt Jerrod; Walter Hokett; Wanda Ayuso;
William Brysacz; Andersen, James; Anderson, Joseph; Ash, Darren;
Baggett, Steven; Barker, Allan; Batkin, Joshua; Boger, Bruce;
Borchardt, Bill; Bradford, Anna; Brenner, Eliot; Breskovic, Clarence;
Smith, Brooke; Brown, Frederick; Brown, Milton; Bubar, Patrice;
Burns, Stephen; Camper, Larry; Carpenter, Cynthia; Castleman, Patrick;
Ader, Charles; Murray, Charles; Casto, Chuck; Coggins, Angela;
Collins, Elmo; ConE_Resource; Copeland, Douglas; Correia, Richard;
Craffey, Ryan; Dapas, Marc; Dean, Bill; Decker, David;
Diaz-Sanabria, Yoira; Dickman-Disabled-11/14/2010, Paul; Dorman, Dan;
Droggitis, Spiros; Dyer, Jim; English, Lance; ET02 Hoc; Evans, Michele;
Franovich, Mike; Frye, Timothy; Garmon, David; Apostolakis, George;
Gibbs, Catina; Gitter, Joseph; Gott, William; Grobe, Jack; Hahn, Matthew;
Haney, Catherine; Harrington, Holly; Hipschman, Thomas; Hoc, PMT12;
Holahan, Gary; Holahan, Patricia; Holahan, Vincent; HOO Hoc; Howe, Allen;
Howell, Art; Howell, Linda; Issa, Alfred; Itzkowitz, Marvin; Foster, Jack;
Jackson, Donald; Jaczko, Gregory; Johnson, Andrea; Johnson, Michael;
Jones, Cynthia; Kahler, Robert; King, Mark; Foggie, Kirk; Kock, Andrea;
Kozal, Jason; Leeds, Eric; LIA08 Hoc; Logaras, Haral; Loyd, Susan;
Magwood, William; Maier, Bill; Marshall, Jane; Marshall, Michael;
McCree, Victor; McDermott, Brian; McIntosh, Angela; McNamara, Nancy;
Michalak, Paul; Miller, Charles; Miller, Chris; Monninger, John;
Morris, Scott; Nease, Rebecca; Nieh, Ho; NRCHQ;
NSIR_DDSP_ILTAB_Distribution; Ordaz, Vonna; Orders, William; OST05 Hoc;
Ostendorff, William; Pace, Patti; Patel, Jay; Pearson, Laura;
Pederson, Cynthia; Plisco, Loren; Powell, Amy; Quichocho, Jessie; R1 IRC;
R2 IRC; R3 IRC; R4 IRC; Reddick, Darani; Reyes, Luis; Devercelly, Richard;
Riley (OCA), Timothy; Nelson, Robert; ROO hoc; Rothschild, Trip;
RST01 Hoc; Satorius, Mark; Schmidt, Rebecca; Sharkey, Jeffry;
Sheron, Brian; Sigmon, Rebecca; Snodderly, Michael; Sosa, Belkys;
Speiser, Herald; Svinicki, Kristine; Tabatabai, Omid; Thoma, John;
Thomas, Eric; Tift, Doug; Kolb, Timothy; Ulses, Anthony; Nakanishi, Tony;
Tracy, Glenn; Trapp; Trapp, James; Trojanowski, Robert; Turtill, Richard;
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; Batkin, Joshua; Borchardt, Bill; Bradford, Anna;
Coggins, Angela; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim;
ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon;
Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan;
Monninger, John; Pace, Patti; Schwarz, Sherry; Sharon, Brian;
Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin;
Walker, Dwight; Walls, Lorena; Weber, Michael
Cc: LIA08 Hoc
Subject: USNRC Emergency Operations Center Status Update 04292011 1200 EDT
Auto forwarded by a Rule

*******NOTE: THE ATTACHED IS FOR OFFICAL USE ONLY*******

Good Afternoon,

Attached is the Status Update for Friday, April 29, 2011. The next USNRC Status Update will be distributed at 1200 EDT on Monday, May 2, 2011.

Thank You

~~*****NOTE: THE ATTACHED IS FOR OFFICIAL USE ONLY*****~~

Liaison Team Coordinator
US Nuclear Regulatory Commission
email: lia08.hoc@nrc.gov
Desk Ph: 301-816-5185

From: Pace, Patti
Sent: Friday, April 29, 2011 5:38 PM
To: Marshall, Michael; Speiser, Herald
Subject: FW: USNRC Emergency Operations Center Status Update 04292011 1200 EDT
Attachments: USNRC Earthquake-Tsunami Update 042911 Revision 1200 EDT.docx

Last one from today!

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: LIA08 Hoc

Sent: Friday, April 29, 2011 12:12 PM

To: A Green; A Rock; Al Coons; Aleshia Duncan; alexancg; Anthony Herbold; Appleman Binkert; B Green; B Russo; Bill King; Bill King2; Bruce Howard; C Lay; C Noser; C Ops; Charles Burrows; Charles Donnell; Christopher Meadow; Conrad Burnside; D Drakeley; D May; D Murakami; D Webb; Damian Peko; Dan Feighert; Darrell Hammons; Devin Bush G LTJG RIA-Midwest MPLS.N47922; DHS Ops; DOE NIT; DOT; DTRA; DTRA; Dudek; E Wright; Elmer Naples; EOP; EPA; EPA2; Eric Sinibaldi; F Lewis; G Szeto; G Whitmire; George Higdon; gregopk; Gregory Simonson; Gretchen McCoy; H; Harry Sherwood; HHS; I Clark; Intel DIA; J Barnes; J Bartlett; J Moeller; J Noonkester; J Szymanski; J Tippets; James Purvis; Japan Embassy Task Force; Jason CIA; Jason Pepin; Jeremy Demott; Jeremy Morrow; Jeremyft1; Jim Kish; Johanna Berkey; John Holdren; Joyce Connery; K Donald; K Gonzalez; K Ousley; Karyn Keller; Kyle Viayra; L Mayer; Lee Nickel; Lisa; Lisa Hammond; Lukas McMichael; M Huchla; M Kerber; M Lansley; M Thon; M Thon2; maceck; MARFORPAC CAT All Hazards Div; MARFORPAC CAT G2; Mark Shaffer; markwb2; Marshall Shull; Michelle Ralston; Nan Calhoun; Navy; NICC; NMIC; NOC; NOC Duty Director; Nulcear SSA; P Gardner; pentagon; Peter Lyons; Phillip Barks; R Roesler; R Schueneman; Rebecca Thomson; roberhh; Ron Cherry; Ron McCabe; S Basile; S Buntman; S Levy; scotc1; Seamus O'Boyle; seiden; state; Stephen Trautman; Steve Colman; Steve Horwitz; T Roberts; Thomas Conran; Thomas Zerr; Tim Greten; Timothy Hitzelberger; Trent Hughes; Troy Heytens; USDA, John; USMC; Vanessa Quinn; Victoria Kinsey; W Cluff; W Young; Will Friese; William Webb; A Aviles; A Brown; A Estes; A Hough; A Tribble; B goldberg; B Moffat; B Perry; B Woo; Beavers, Shane; Brinser, Andrew; Brooks, Andrae; Brown, Michael; C Fiore; C Good; C Kim; Carlos Islas; CPF CATN5; Craig Gaddis; D Fletcher; D Putthoff; D Scully; D Smith; D Souza; D Wade; D Williams; David Graves; DOE DART; E Fiser; E kaye; E Price; E Shelland; E Train; Elder, Troy M SGT MIL USA USARPAC; Eric Wright; F Bantell; Floyd Lewis; Fossum, Sgt Zachary; Guathier, Ronald; H Zito; Hickam; Hickam; J Blankenburg; J Kreykes; J McCallister; J Rhodes; J Rivera; J Scarbrough; J Soderbeck; J Stewart; J Trussler; James Williams; JR Haley; JTF505-MAIN-JOC-J2; JTF505-MAIN-JOC-J2-INTEL-ANAY; K Bollow; K Bollow; K Tomlinson; Koluch, SSgt Eric; L Bolling; L Elkins; L Heinrich; L Walter; Laurel Steinhurst ; Lay, Christopher; M Howsare; M Kabbur; M Nguyen; M Opfer; M Taafe; M Thon; Marina Llewellyn; Mark Russo; Michael Anderson; Micheael Eberlein; Monaghan, Dylan; N Albritton; N Albritton; NCMI Ops; Office of Secretary of Defense Watch Officer ; Olson, Niels; OST01 HOC; P Almquist; P Higginbotham; P Higgins; P Lyons; P Smalley; P Somboonpakron; PACOM; PACOM; Pasit Sombookpakron; Powers, Jeffrey; R Backley; R Fisher; R Garrett; R Neff; R Stephenson; R Tashma; Reid Tanaka; Richard, Sgt William; Robert Duke; Robert P; RST01 Hoc; RST01B Hoc; RST03 Hoc; S Aoki; S Jerabek; Sean Basile; Shirey, Sgt Eric; Simmers, Keith; Spencer Nordaran; Sourdlock, Kenneth; Stephen Greco; T Lowman; T Miller; T True; Thomas Vavoso; Tovar, SSgt Eric (b)(6) USFJ; USFJ Intel; V Raphael; Valerie Makino; Vaughn, Sgt Jerrod; Walter Hokett; Wanda Ayuso; William Brysacz; Andersen, James; Anderson, Joseph; Ash, Darren; Baggett, Steven; Barker, Allan; Batkin, Joshua; Boger, Bruce; Borchardt, Bill; Bradford, Anna; Brenner, Eliot; Breskovic, Clarence; Smith, Brooke; Brown, Frederick; Brown, Milton; Bubar, Patrice; Burns, Stephen; Camper, Larry; Carpenter, Cynthia; Castleman, Patrick; Ader, Charles; Murray, Charles; Casto, Chuck; Coggins, Angela; Collins, Elmo; ConE_Resource; Copeland, Douglas; Correia, Richard; Craffey, Ryan; Dapas, Marc; Dean, Bill; Decker, David; Diaz-Sanabria, Yoira; Dickman-Disabled-11/14/2010, Paul; Dorman, Dan; Droggitis, Spiros; Dyer, Jim; English, Lance; ET02 Hoc; Evans, Michele; Franovich, Mike; Frye, Timothy; Garmon, David; Apostolakis, George; Gibbs, Catina; Glitter, Joseph; Gott, William; Grobe, Jack; Hahn, Matthew; Haney, Catherine; Harrington, Holly; Hipschman, Thomas;

Hoc, PMT12; Holahan, Gary; Holahan, Patricia; Holahan, Vincent; HOO Hoc; Howe, Allen; Howell, Art; Howell, Linda; Issa, Alfred; Itzkowitz, Marvin; Foster, Jack; Jackson, Donald; Jaczko, Gregory; Johnson, Andrea; Johnson, Michael; Jones, Cynthia; Kahler, Robert; King, Mark; Foggie, Kirk; Kock, Andrea; Kozal, Jason; Leeds, Eric; LIA08 Hoc; Logaras, Harra; Loyd, Susan; Magwood, William; Maier, Bill; Marshall, Jane; Marshall, Michael; McCree, Victor; McDermott, Brian; McIntosh, Angela; McNamara, Nancy; Michalak, Paul; Miller, Charles; Miller, Chris; Monninger, John; Morris, Scott; Nease, Rebecca; Nieh, Ho; NRCHQ; NSIR_DDSP_ILTAB_Distribution; Ordaz, Vonna; Orders, William; OST05 Hoc; Ostendorff, William; Pace, Patti; Patel, Jay; Pearson, Laura; Pederson, Cynthia; Plisco, Loren; Powell, Amy; Quichocho, Jessie; R1 IRC; R2 IRC; R3 IRC; R4 IRC; Reddick, Darani; Reyes, Luis; Devercelly, Richard; Riley (OCA), Timothy; Nelson, Robert; ROO hoc; Rothschild, Trip; RST01 Hoc; Satorius, Mark; Schmidt, Rebecca; Sharkey, Jeffry; Sheron, Brian; Sigmon, Rebecca; Snodderly, Michael; Sosa, Belkys; Speiser, Herald; Svinicki, Kristine; Tabatabai, Omid; Thoma, John; Thomas, Eric; Tiff, Doug; Kolb, Timothy; Ulses, Anthony; Nakanishi, Tony; Tracy, Glenn; Trapp, James; Trojanowski, Robert; Turtill, Richard; 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; Batkin, Joshua; Borchardt, Bill; Bradford, Anna; Coggins, Angela; Cohen, Shari; Collins, Elmo; Cooper, LaToya; Dyer, Jim; ET07 Hoc; Flory, Shirley; Gibbs, Catina; Haney, Catherine; Hudson, Sharon; Jaczko, Gregory; Johnson, Michael; Leeds, Eric; Loyd, Susan; Monninger, John; Pace, Patti; Schwarz, Sherry; Sheron, Brian; Speiser, Herald; Sprogeris, Patricia; Taylor, Renee; Virgilio, Martin; Walker, Dwight; Walls, Lorena; Weber, Michael

Cc: LIA08 Hoc

Subject: USNRC Emergency Operations Center Status Update 04292011 1200 EDT

*******NOTE: THE ATTACHED IS FOR OFFICAL USE ONLY*******

Good Afternoon,

Attached is the Status Update for Friday, April 29, 2011. The next USNRC Status Update will be distributed at 1200 EDT on Monday, May 2, 2011.

Thank You

*******NOTE: THE ATTACHED IS FOR OFFICAL USE ONLY*******

Liaison Team Coordinator
US Nuclear Regulatory Commission
email: lia08.hoc@nrc.gov
Desk Ph: 301-816-5185

Full Name: Mary Matheson
Last Name: Matheson
First Name: Mary
Job Title: CHIEF, NRC CENTRAL ALLOWANCE
Company: CFO/DC/FSRVB

Business: 301-415-8748
Other: (b)(6)

E-mail: Mary.Matheson@nrc.gov
E-mail Display As: Mary Matheson (Mary.Matheson@nrc.gov)

Full Name: Ambassador Ichiro Fujisaki
Last Name: Fujisaki
First Name: Ambassador
Job Title: Ambassador to the United States
Company: Japan

Business: (202) 238-6884

Contact: Ryosuke Shibuya ryosuke.shibuya@ws.mofa.go.jp

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Saturday, March 26, 2011 12:37 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Recommendation

From: Kennedy, Patrick F[SMTP:KENNEDYPF@STATE.GOV]
Sent: Saturday, March 26, 2011 12:37:22 PM
To: Roos, John; Daniel.Poneman@hq.doe.gov; (b)(6)
(b)(6)
Cc: (b)(6); Jaczko, Gregory
Subject: Re: Recommendation
Auto forwarded by a Rule

Colleagues

(b)(5)

Regards

Pat

From: Roos, John
Sent: Saturday, March 26, 2011 10:12 AM
To: 'Daniel.Poneman@hq.doe.gov' <Daniel.Poneman@hq.doe.gov>; (b)(6)
(b)(6); Kennedy, Patrick F; (b)(6)
Cc: Bader, Jeffrey A. (b)(6); 'gregory.jaczko@nrc.gov' <gregory.jaczko@nrc.gov>
Subject: Recommendation

Gentlemen,

I just got off the phone with Jeff Bader who suggested I write this email to you. I have two recommendations at this time:

(b)(5)

(b)(5)

John

John V. Roos
U.S. Ambassador to Japan
Tel: +81(0)3.3224-5000
Email: Roosj@state.gov

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Saturday, March 26, 2011 12:56 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Fukushima reactor 3

From: REPUSSARD Jacques[SMTP:JACQUES.REPUSSARD@IRSN.FR]
Sent: Saturday, March 26, 2011 12:54:24 PM
To: Jaczko, Gregory
Subject: Fukushima reactor 3
Auto forwarded by a Rule

Dear Greg,

We are trying to work out the most likely scenario of what happened to reactor 3 from the moment of the hydrogen explosion until now, when we understand that there is no pressure in either the confinement or the vessel.

I wondered whether NRC had any close aerial photographs of the top of the confinement, normally constituted of a metallic "lid" bolted to the side of the containment below the biological protection that was presumably destroyed in the explosion, which may provide a hint to the fate of the confinement? We have good satellite photos, but unfortunately not precise enough to such detail.

Thanks in advance for your help. Naturally, we are ready to exchange informally with your experts on these scenarios if you wish to do so.

Friendly regards,

Jacques Repussard

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Saturday, March 26, 2011 2:03 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Recommendation

From: Russel, Daniel R.[SMTP: (b)(6)]
Sent: Saturday, March 26, 2011 2:03:12 PM
To: Jaczko, Gregory; Holdren, John P.; McDonough, Denis R.; 'Daniel.Poneman@hq.doe.gov'; Brennan, John O.
Cc: Bader, Jeffrey A.; Reed, Richard A.; Fetter, Steve; Canegallo, Kristie A.
Subject: RE: Recommendation
Auto forwarded by a Rule

Greg:

(b)(5)

Regards,

Danny

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

From: Jaczko, Gregory [mailto:Gregory.Jaczko@nrc.gov]
Sent: Saturday, March 26, 2011 11:49 AM
To: Holdren, John P.; McDonough, Denis R.; 'Daniel.Poneman@hq.doe.gov'; Brennan, John O.
Cc: Bader, Jeffrey A.; Russel, Daniel R.; Reed, Richard A.; Fetter, Steve
Subject: RE: Recommendation

my recommendation (and this has nrc hq and nrc tokyo agreement)

(b)(5)

(b)(5)

For those seeking more information, here is the background:

A list of suggested actions was developed in collaboration with INPO, GE-Hitachi, Naval Reactors (NR), EPRI, DOE and NRC that pertain to severe accident management strategies. The organizations agreed to a version of this document, dated March 26, 2011, and we provided it to Chuck Casto. The actions were based on the long-established severe accident management guidelines of a U.S. plant similar to Fukushima. In the US, guidelines do not have the same force as Emergency Operating Procedures (EOPs).

Over the course of the day, we do expect to make additional changes to the document to improve the technical content. We expect to obtain consensus from our partners this afternoon and transmit the document to Chuck Casto.

The suggested actions are informed by our current understanding of plant conditions at Fukushima. These conditions are dynamic and our information is unconfirmed in light of the unavailability of working instrumentation.

NRC and our U.S. partners are concerned about the conditions in Unit 1 regarding the potential for hydrogen burn. The suggested actions do not address hydrogen in great detail. U.S. severe accident management guidelines assume the option to purge the containment with nitrogen to preclude hydrogen burn is available. This tactic is not currently available at Fukushima. As a result, the staff is going to continue to evaluate the hydrogen issue in consultation with some consultants with the required expertise, such as Dana Powers at Sandia National Laboratory.

If an accident were to occur in the U.S., the NRC would remain abreast of conditions in the plant and raise concerns to the licensee if we noted that a licensee was taking inappropriate actions. We would escalate up to and including an order if warranted.

The original course of action was to provide these suggested actions to TEPCo and obtain feedback regarding the validity of our assumed plant conditions. Thereafter, the site team would then explain our suggested actions and determine whether TEPCo was taking these actions or if not, determine their planned actions and rationale. We believe this interactive dialogue would be effective at encouraging these actions and determining TEPCo's overall strategy to place the plants in a stable state.

From: Holdren, John P. [(b)(6)]

Sent: Saturday, March 26, 2011 11:21 AM

To: McDonough, Denis R.; 'Daniel.Poneman@hq.doe.gov'; Jaczko, Gregory; Brennan, John O.

Cc: Bader, Jeffrey A.; Russel, Daniel R.; Reed, Richard A.; Fetter, Steve

Subject: RE: Recommendation

I've confirmed that the USNRC's Reactor Safety Team (RST) assessment of yesterday, which made the flooding recommendation, was conveyed to TEPCO. There was to be an 0300 EDT conference call this morning between USNRC RST and TEPCO to discuss it. I have not had a read-out on that call yet, but perhaps Greg has.

JOHN P. HOLDREN

Assistant to the President for Science and Technology and Director, Office of Science and Technology Policy Executive Office of the President of the United States email [(b)(6)] direct phone [(b)(6)] assistant Karrie Pitzer [(b)(6)]

From: McDonough, Denis R.

Sent: Saturday, March 26, 2011 11:13 AM

To: Holdren, John P.; 'Daniel.Poneman@hq.doe.gov'; 'gregory.jaczko@nrc.gov'; Brennan, John O.

Cc: Bader, Jeffrey A.; Russel, Daniel R.; Reed, Richard A.

Subject: RE: Recommendation

+ PONEMAN + JACZKO + BRENNAN

Thanks, Doc. Holdren.

(b)(5)

Please advise,
Denis.

From: Holdren, John P.
Sent: Saturday, March 26, 2011 10:58 AM
To: McDonough, Denis R.
Cc: Bader, Jeffrey A.; Russel, Daniel R.; Reed, Richard A.
Subject: RE: Recommendation
Importance: High

(b)(5)

JOHN P. HOLDREN

Assistant to the President for Science and Technology and Director, Office of Science and Technology Policy Executive
Office of the President of the United States email (b)(6) direct phone (b)(6) assistant Karrie
Pitzer (b)(6)

From: McDonough, Denis R.
Sent: Saturday, March 26, 2011 10:21 AM
To: 'Roos, John'; Daniel.Poneman@hq.doe.gov; Kennedy, Patrick F; Holdren, John P.
Cc: Bader, Jeffrey A.; gregory.jaczko@nrc.gov; Reed, Richard A.; Russel, Daniel R.
Subject: RE: Recommendation

+ RICHARD REED + DANNY RUSSEL

Thanks, John.

(b)(5)

Thanks again,
Denis.

From: Roos, John [mailto:RoosJ@state.gov]
Sent: Saturday, March 26, 2011 10:12 AM
To: Daniel.Poneman@hq.doe.gov; McDonough, Denis R.; Kennedy, Patrick F; Holdren, John P.
Cc: Bader, Jeffrey A.; gregory.jaczko@nrc.gov
Subject: Recommendation

Gentlemen,

I just got off the phone with Jeff Bader who suggested I write this email to you. I have two recommendations at this time:

(b)(5)

John

John V. Roos
U.S. Ambassador to Japan
Tel: +81(0)3.3224-5000
Email: Roosj@state.gov

From: Batkin, Joshua
Sent: Saturday, March 26, 2011 3:04 PM
To: Pace, Patti
Subject: Re: EP

Ok

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Pace, Patti
To: Batkin, Joshua
Sent: Sat Mar 26 15:02:46 2011
Subject: EP

When I talked to the Chairman about EP for his trip to CNS he said he would want to give it to the acting EDO, Virgilio rather than one of his colleagues. I will still check availability on Commission Calendar and HOO list, but just wanted you to know what he had said about this topic yesterday.

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Saturday, March 26, 2011 3:11 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Recommendation

From: Poneman, Daniel[SMTP:DANIEL.PONEMAN@HQ.DOE.GOV]
Sent: Saturday, March 26, 2011 3:11:20 PM
To: (b)(6)
Jaczko, Gregory; (b)(6)
Cc: (b)(6)
(b)(6); Aoki, Steven; D'Agostino, Thomas;
'steven.binkley@hq.doe.gov'; Anderson, Margot
Subject: Re: Recommendation
Auto forwarded by a Rule

Denis: I am out of town w no comms. Not sure if you have gotten word back from DOE, but looping D'Agostino + Aoki and Binkley from our science team. Talked to aoki and he will get you the DOE position. Thanks, Dan

From: McDonough, Denis R. <(b)(6)>
To: Holdren, John P. <(b)(6)>; Poneman, Daniel; 'gregory.jaczko@nrc.gov' <gregory.jaczko@nrc.gov>; Brennan, John O. <(b)(6)>
Cc: Bader, Jeffrey A. <(b)(6)>; Russel, Daniel R. <(b)(6)>; Reed, Richard A. <(b)(6)>
Sent: Sat Mar 26 11:12:59 2011
Subject: RE: Recommendation

+ PONEMAN + JACZKO + BRENNAN

Thanks, Doc. Holdren.

(b)(5)

Please advise,
Denis.

From: Holdren, John P.
Sent: Saturday, March 26, 2011 10:58 AM
To: McDonough, Denis R.
Cc: Bader, Jeffrey A.; Russel, Daniel R.; Reed, Richard A.
Subject: RE: Recommendation
Importance: High

(b)(5)

(b)(5)

JOHN P. HOLDREN

Assistant to the President for Science and Technology
and Director, Office of Science and Technology Policy
Executive Office of the President of the United States

email (b)(6)

direct phone (b)(6)

assistant Karrie Pitzer (b)(6)

From: McDonough, Denis R.

Sent: Saturday, March 26, 2011 10:21 AM

To: 'Roos, John'; Daniel.Poneman@hq.doe.gov; Kennedy, Patrick F; Holdren, John P.

Cc: Bader, Jeffrey A.; gregory.jaczko@nrc.gov; Reed, Richard A.; Russel, Daniel R.

Subject: RE: Recommendation

+ RICHARD REED + DANNY RUSSEL

Thanks, John.

(b)(5)

Thanks again,
Denis.

From: Roos, John [mailto:RoosJ@state.gov]

Sent: Saturday, March 26, 2011 10:12 AM

To: Daniel.Poneman@hq.doe.gov; McDonough, Denis R.; Kennedy, Patrick F; Holdren, John P.

Cc: Bader, Jeffrey A.; gregory.jaczko@nrc.gov

Subject: Recommendation

Gentlemen,

I just got off the phone with Jeff Bader who suggested I write this email to you. I have two recommendations at this time:

(b)(5)

(b)(5)

John

John V. Roos
U.S. Ambassador to Japan
Tel: +81(0)3.3224-5000
Email: Roosj@state.gov

From: Pace, Patti
Sent: Saturday, March 26, 2011 3:29 PM
To: Batkin, Joshua
Subject: Flight Options

Tonight:

IAD – London Heathrow (LHR)
10:05PM – 10:15AM Sunday March 27th
United Flight 924

LHR – Narita Airport in Tokyo (NRT)
Virgin Atlantic Flight 900
1:45p - 9:30AM Monday March 28th

Returning:

Tuesday March 29th
4:00p – 3:37P (Same Day)
NRT – IAD

The fare for this itinerary is \$3587.00

Given the length of the outbound connecting flights, he could request a premium class upgrade. The return flight travel time 12h37min, so wouldn't be able to request for that one.

No reservations are on hold right now.

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Batkin, Joshua
Sent: Saturday, March 26, 2011 4:02 PM
To: Pace, Patti
Subject: Re: OIP

See if you can find our Danielle's travel plans

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Pace, Patti
To: Batkin, Joshua
Sent: Sat Mar 26 15:51:30 2011
Subject: OIP

I think there are two staff already there (Kirk Foggie and one other) and Danielle Emche said she was leaving on Saturday to travel to Japan. So, they may already be in position to help?

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Pace, Patti
Sent: Saturday, March 26, 2011 4:29 PM
To: Batkin, Joshua
Subject: FW: JAPANESE TRAVELER INFORMATION.docx
Attachments: JAPANESE TRAVELER INFORMATION.docx

FYI – Danielle arrives on Sunday 3/27 at 4:35p.

Both Kirk Foggie and Brooke Smith are still in Japan. Kirk is scheduled to depart on Tuesday 3/29.

Thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: LIA03 Hoc
Sent: Saturday, March 26, 2011 4:22 PM
To: Pace, Patti
Cc: LIA02 Hoc
Subject: JAPANESE TRAVELER INFORMATION.docx

Patti,
Attached is the current list of NRC folks in Japan. The first two pages is the first round of personnel, the next two pages is the second round. Please let us know if/when there will be other travelers.

Thanks!
-Jenny

NRC TRAVELER INFORMATION IN JAPAN

Name	Phone Number	Email	Flight Arrival (Japan Time)	Flight Arrival (EDT)	Departure Date to U.S.
Jim Trapp Chief,	(b)(6)	(b)(6)	Saturday, 3/12	Arrived	3/25/11
Tony Ulises Chief, Reactor Systems Branch		Anthony.ulises@nrc.gov	Saturday, 3/12	Arrived	3/26/11
Chuck Casto Deputy Regional Administrator, Region II		Chuck.casto@nrc.gov	1:30 PM Wed., 3/16	Arrived	3/28/11
John Monninger Deputy Chief-of-Staff, Office of the Chairman		John.monninger@nrc.gov	11:00 AM Wed., 3/16	Arrived	3/29/11
Tony Nakanishi Reactor Systems Engineer, Reactor Systems Branch		Tony.nakanishi@nrc.gov	11:00 AM Wed., 3/16	Arrived	3/27/11
Tim Kolb Senior Reactor Engineer, Operator Licensing and Training Branch		Timothy.kolb@nrc.gov	11:00 AM Wed., 3/16	Arrived	3/19/11
Jack Foster Chief, Licensing Branch (FSME)	(b)(6)	Jack.foster@nrc.gov	11:00 AM Wed., 3/16	Arrived	3/27/11
Bill Cook Senior Reactor Analyst		William.cook@nrc.gov	11:00 AM Wed., 3/16	Arrived	3/30/11
Richard Devercelly Reactor Technology Instructor, Technical Training Center	(b)(6)	Richard.devercelly@nrc.gov	4:15 PM Wed., 3/16	Arrived	3/25/11

Kirk Foggie International Relations Officer	(b)(6)	Kirk.foggie@nrc.gov	11:00 AM Wed., 3/16	Arrived	3/29/11
Brooke Smith International Policy Analyst		Brooke.smith@nrc.gov	11:00 AM Wed., 3/16	Arrived	3/31/11

RELIEF TEAM - NRC TRAVELERS IN JAPAN

Name	Phone Number (internal BB or cell)	Email/Other	Flight Arrival (Japan Time)	Return date to U.S.	Emergency contact
Dan Dorman Deputy Director, NMSS - leaves 3/19	(b)(6) NRC BB	Daniel.Dorman@nrc.gov	March 20 2:30pm		(b)(6)
Mike Scott (Acting) Deputy Director, Division of Systems Analysis, RES Leaves 3/22	301-251-7524 (b)(6) (NRC bb)	<u>Michael.Scott@nrc.gov</u> Picked up dosimeter at OPS Center	March 23 2:30 PM,	3:30 PM, April 6 2011	(b)(6) (h) (c)
Alan Blamey, RII Chief of Construction Project Branch Leaves 3/22	404-354-6719 (b)(6) (NRC bb)	<u>Alan.Blamey@nrc.gov</u> Picked up KI in Region II	March 23 3:30 PM,	Open Ended	(b)(6)
Jack Giessner, RIII Branch Chief Division of Reactor Projects Leaves 3/24	630-780-8779 (b)(6) NRC BB	<u>John.Giessner@nrc.gov</u>	March 25 2:15 PM	April 7 th , 4:05 PM Chicago	(b)(6)
Rob Taylor SG Tube Integrity and Chemical Engineering Branch, NRR Leaves 3/24	(b)(6) NRC BB	<u>Robert.Taylor@nrc.gov</u> Picked up dosimeter and KI at OPS Center	March 25 4:35 PM	April 7 th , 3:37 PM Dulles	(b)(6) (h) (w)
Todd Jackson Commercial and R&D Branch, DNMS, RI Leaves 3/24	(b)(6) NRC BB	<u>Todd.Jackson@nrc.gov</u> Had dosimeter from the region.	March 25 2:15 PM	April 6, 2011	(b)(6) (c) (w) (h)

Marie Miller Chief, Material Security and Industrial Branch, RI Leaves 3/24	(b)(6) NRC BB	<u>Marie.Miller@nrc.gov</u> Had dosimeter from the region.	March 25 2:15 PM	April 7, 9:15 PM in Philly	(b)(6) (b)(6) (h) (w) (c)
Syed Ali Senior Level Advisor, Div of Engineering, RES Leaves 3/24	(b)(6) NRC BB	<u>Syed.Ali@nrc.gov</u> Picked up dosimeter 03/22	March 25 4:35 PM	April 7 th , 3:37 PM Dulles	(b)(6)
Abdul Sheikh, NRR Leaves 3/24	(b)(6) NRC BB	<u>Abdul.Sheikh@nrc.gov</u> Picked up dosimeter 03/22	March 25 4:35 PM	April 7, 3:37 PM Dulles	(b)(6) (b)(6) (c)
Ralph Way, Sr Level Advisor, Division of Security Operations, NSIR Leaves 3/24	(b)(6) (cell) (b)(6) (bb in US) (b)(6) NRC BB	<u>Ralph.Way@nrc.gov</u> Picked up dosimeter 03/22	March 25 4:35 PM	April 7 th , 3:37 PM Dulles	(b)(6)
Danielle Emche, International Relations Specialist, OIP Leaves 3/26	(b)(6) NRC BB NRC (internal.BB)	<u>Danielle.Emche@nrc.gov</u>	March 27 4:35 PM		(b)(6) (b)(6) (c) (w)
Eric Stahl, International Relations Specialist, OIP Leaves 3/28	(b)(6) NRC BB NRC (internat.BB)	<u>Eric.Stahl@nrc.gov</u>	March 29 3:10 PM		(b)(6) (w) (c) (b)(6)
Elmo Collins, RA, RIV Leaves 3/29	(b)(6) NRC BB	<u>Elmo.Collins@nrc.gov</u>	March 30 1:05 PM		(b)(6)

Flight information for Upcoming NRC travelers

Embassy Fax: 81-3-3224-5538

Team Room: 81-3-3224-5066

EVERYBODY IS STAYING AT HOTEL IN TOKYO

(b)(6)

From: Pace, Patti
Sent: Saturday, March 26, 2011 4:47 PM
To: Michael Dudek
Subject: RE: IAD-NRT options

Thanks! Got it!

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Michael Dudek [mailto:(b)(6)]
Sent: Saturday, March 26, 2011 4:42 PM
To: Pace, Patti
Subject: Fwd: IAD-NRT options

Sent from my iPhone

Begin forwarded message:

From: "RMTPACTSU_CRC" <RMTPACTSU_CRC@ofda.gov>
Date: March 26, 2011 4:35:40 PM EDT
To: <michael.dudek@nrc.gov>, <(b)(6)>
Subject: IAD-NRT options

Nothing available for today. Tomorrow options are:

2 non-stops for 3/27/2011

Sun, Mar 27, 2011 Washington, DC (IAD) to Tokyo, Japan (NRT)

#1

12:20 PM IAD - 3:25 PM NRT United 9681 Arrives next day

Operated by All Nippon Airways

#2

12:21 PM IAD - 3:10 PM NRT United 803 Arrives next day

Operated by United Airlines

Connecting flights

#3

5:51 AM IAD - 8:25 AM IAH United 6726

Operated by UNITED EXPRESS/ SKYWEST AIRLINES

connecting to

10:50 AM IAH - 2:20 PM NRT United 3485 Arrives next day

Operated by Continental

#4

6:00 AM IAD - 7:00 AM ORD United 705

connecting to

10:50 AM ORD - 1:45 PM NRT United 9678 Arrives next day

Operated by All Nippon Airways

From: Matheson, Mary
Sent: Saturday, March 26, 2011 5:20 PM
To: Pace, Patti
Subject: Reservations

Patti,

I will complete the authorizations for you. Can you let me know if Vivian was able to help you and if the tickets are booked?

Thanks Mary

From: Ash, Darren
Sent: Saturday, March 26, 2011 5:48 PM
To: Pace, Patti
Subject: Re: URGENT: Request for support for International Travel

I just got your message. Could you pls call me on (b)(6)?

From: Pace, Patti
To: Ash, Darren
Sent: Sat Mar 26 17:17:51 2011
Subject: FW: URGENT: Request for support for International Travel

Darren,

Can you help me get in touch with someone in Telecom who can help with this request?

Thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Pace, Patti
Sent: Saturday, March 26, 2011 4:26 PM
To: Ashby, Nadine; Osband, Tracy
Subject: URGENT: Request for support for International Travel

Hello,

Chairman Jaczko and Angela Coggins are likely to depart for Japan tonight or tomorrow morning, still finalizing travel arrangements.

They both have Verizon BBs and I don't believe they will work in Japan. Can someone be available if we need to swap them out today? As soon as I know their departure time, I will let you know.

Thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: LIA03 Hoc
Sent: Saturday, March 26, 2011 6:27 PM
To: Pace, Patti
Subject: RE: JAPANESE TRAVELER INFORMATION.docx

Patti,

Can you please send the Chairman's flight information to add it to the log? He will need to bring his blackberry in so that he'll be able to use it in Japan (certain things have to be activated).

Thanks!

-Jenny

From: Pace, Patti
Sent: Saturday, March 26, 2011 4:29 PM
To: LIA03 Hoc
Cc: LIA02 Hoc
Subject: RE: JAPANESE TRAVELER INFORMATION.docx

Thank you very much. I will let you know as soon as plans are confirmed.

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: LIA03 Hoc
Sent: Saturday, March 26, 2011 4:22 PM
To: Pace, Patti
Cc: LIA02 Hoc
Subject: JAPANESE TRAVELER INFORMATION.docx

Patti,

Attached is the current list of NRC folks in Japan. The first two pages is the first round of personnel, the next two pages is the second round. Please let us know if/when there will be other travelers.

Thanks!

-Jenny

From: LIA03 Hoc
Sent: Saturday, March 26, 2011 6:38 PM
To: Pace, Patti
Subject: Chairman need dosimetry? KI?
Attachments: Travel to Japan Checklist-UPDATED!.docx

Patti,
Please see the attached checklist for Jaczko's travel. Most everything will be good to go but I don't know if he has dosimetry or KI.

Work will have to be done on his blackberry for him to use it in Japan. The blackberry technician is on his way in.

Please call if you have questions (International Liaison desk)

Thanks!
-Jenny

From: Jaczko, Gregory
Sent: Saturday, March 26, 2011 6:47 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Chairman Jaczko travel

From: Batkin, Joshua
Sent: Saturday, March 26, 2011 6:47:25 PM
To: (b)(6)
Cc: Jaczko, Gregory
Subject: Re: Chairman Jaczko travel
Auto forwarded by a Rule

Great. Thank you.

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

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

From: Bader, Jeffrey A. <(b)(6)>
To: Batkin, Joshua; Russel, Daniel R. <(b)(6)>
Cc: Jaczko, Gregory
Sent: Sat Mar 26 18:43:34 2011
Subject: Re: Chairman Jaczko travel

I spoke to John Roos just before receiving this. He's looking forward to Chairman Jaczko's visit. We'll coordinate further, but it's good.

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

From: Batkin, Joshua <Joshua.Batkin@nrc.gov>
To: Russel, Daniel R.; Bader, Jeffrey A.
Cc: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Sat Mar 26 18:36:38 2011
Subject: Chairman Jaczko travel

Gentleman - The Chairman is prepared to travel to Japan this weekend. The itinerary that works best is a departure later tonight, arrival in Tokyo in the morning on Monday (Japan time) and a departure mid-day on Tuesday (Japan time). Please confirm that works for the Embassy and we'll get him there. Thank you, Josh

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Jaczko, Gregory
Sent: Saturday, March 26, 2011 7:02 PM
To: Batkin, Joshua
Cc: Pace, Patti; Coggins, Angela
Subject: Re: Delegations

Apostolakis was not on the call so let's do magwood to run the meeting. I know, I know...

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

From: Batkin, Joshua
To: Jaczko, Gregory
Cc: Pace, Patti; Coggins, Angela
Sent: Sat Mar 26 19:00:49 2011
Subject: Delegations

After talking to Steve Burns, my recommendation is that you delegate emergency powers to the EDO for the duration of your trip and delegate Acting Chairman to Commissioner Apostolakis solely for the purpose of conducting the SMR meeting. Patti, please see if you can draft this memo and send it to him tonight. If not, Chairman, may we have the authority to autopen it? Thank you Josh

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Batkin, Joshua
Sent: Saturday, March 26, 2011 7:05 PM
To: Pace, Patti; Coggins, Angela
Subject: Re: Please bring personal passport as backup

Are we ok on visas or do I need to go to state?

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Jaczko, Gregory
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Sent: Sat Mar 26 19:04:03 2011
Subject: FW: Please bring personal passport as backup

From: Pace, Patti
Sent: Saturday, March 26, 2011 7:04:23 PM
To: Jaczko, Gregory; Coggins, Angela
Subject: Please bring personal passport as backup
Auto forwarded by a Rule

If possible.

Thanks!

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Jaczko, Gregory
Sent: Saturday, March 26, 2011 7:06 PM
To: Pace, Patti; Coggins, Angela
Subject: Re: Please bring personal passport as backup

I am already gone and don't have it. How important is it to get

From: Pace, Patti
To: Jaczko, Gregory; Coggins, Angela
Sent: Sat Mar 26 19:04:23 2011
Subject: Please bring personal passport as backup

If possible.

Thanks!


Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)






From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Saturday, March 26, 2011 7:20 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: <<< Contrary to the Obama Administration & U.S.NRC - Radiation From the Japanese Nuclear Plant Arrived in the USA >>>
Attachments: Japan.jpeg

From: (b)(6) on behalf of Thomas Saporito[SMT:THOMAS@SAPRODANI-ASSOCIATES.COM]
Sent: Saturday, March 26, 2011 7:19:11 PM
Subject: <<< Contrary to the Obama Administration & U.S.NRC - Radiation From the Japanese Nuclear Plant Arrived in the USA >>>
Auto forwarded by a Rule

Posted: 6:14 PM, Friday
Updated: 6:17 PM, Friday

Progress Energy: Low levels of radiation detected in U.S.

 Get News Alerts to your Email & Cell Phone
Breaking News | Headlines: 7am | Noon | 4pm | Video Alerts

Share:  61  24  85  



RALEIGH, N.C. — Very low levels of radioactive iodine 131 have been detected in the air throughout the U.S. as a result of nuclear leaks at the Fukushima plant in Japan. Progress Energy officials said Saturday.

Iodine 131 is a form of radiation typically released into the air by nuclear reactors.

Progress Energy spokesman Drew Elliot said very sensitive equipment at the utility's Robinson and Crystal River nuclear plants, in South Carolina and Florida, respectively, detected iodine radiation in the atmosphere, but said it did not pose a health threat for U.S. residents.

A news release from the utility stated that similar readings were expected at the Harris plant near New Hill, N.C., and the Brunswick plant near Southport, N.C. in the coming days.

Elliot said iodine travels through the air very easily, which is why it can be detected across the world from Japan, but he reiterated that levels were too low to "affect public health or safety."

An email alert was sent to all nuclear employees, as well as to county and state leaders in the affected areas, on Friday, Elliot said.

Thomas Saporito, Senior Consulting Associate
Email: thomas@saprodani-associates.com
Web: <http://Saprodani-Associates.com>
Post Office Box 8413, Jupiter, Florida 33468

Phone: (561) 972-8363 Fax: (561) 247-6404
Saprodani-Associates - Advocate/GreenPeace USA

From: Pace, Patti
Sent: Saturday, March 26, 2011 7:20 PM
To: LIA03 Hoc; Coggins, Angela
Cc: Mroz, Sara
Subject: RE: RSO Brief needed for dosimetry!

United Airlines Flight Number: 924
Class of Service: Business Class J
Depart: WASHINGTON/DULLES 10:05 Pm March 26, 2011
Arrive: LONDON/HEATHROW 10:15 Am March 27, 2011
Total Flight Time: 7 Hours 10 Minutes Non-Stop
Equipment: 777
Meal Service: Dinner & Snack
Status: Confirmed Confirmation Number: S5CT1C
Frequent Flyer Number: (b)(6) JACZKO/GREGORY B
ARR-TERMINAL 1
STAR ALLIANCE
SEATING RESTRICTED TO AIRPORT CHECK-IN ONLY.

Sunday March 27, 2011
Virgin Atlantic Flight Number: 900
Class of Service: Coach Class Z
Depart: LONDON/HEATHROW 1:45 Pm March 27, 2011
Arrive: TOKYO/NARITA 9:30 Am March 28, 2011
Total Flight Time: 11 Hours 45 Minutes Non-Stop
Equipment: 346
Meal Service: Lunch & Breakfast
Status: Confirmed Confirmation Number: GFSE66
DEP-TERMINAL 3 ARR-TERMINAL 1

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: LIA03 Hoc
Sent: Saturday, March 26, 2011 7:19 PM
To: Pace, Patti; Coggins, Angela
Cc: Mroz (Sahm), Sara
Subject: RE: RSO Brief needed for dosimetry!

There are 2 boxes of KI that are being sent down along with Angela's dosimetry. I believe the RSO will give her the mini-brief during the handoff of the dosimetry. Can you please pass along his Japan arrival time so that I can inform the rest of the team in Japan?

Thanks!
-Jenny

From: Pace, Patti
Sent: Saturday, March 26, 2011 7:15 PM
To: LIA03 Hoc; Coggins, Angela
Cc: Mroz (Sahm), Sara
Subject: RE: RSO Brief needed for dosimetry!

Angela is not going to have time to come in to the building. I don't know that the Chairman has his own KI can we please give Angela enough for both?

We are going to have to meet her out at the street with her passport. I think Sara is working with you on this, too.

Thanks

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: LIA03 Hoc
Sent: Saturday, March 26, 2011 7:14 PM
To: Coggins, Angela
Cc: Pace, Patti; Mroz (Sahm), Sara
Subject: RSO Brief needed for dosimetry!
Importance: High

Angela,
Please come to the Operation Center PMT room to pick up your dosimeter and receive a 5-minute "briefing" about use. We have KI for you as well (the Chairman has his own) Please let us know if there is anything else we can do for you.

Thanks!
-Jenny

From: Batkin, Joshua
Sent: Saturday, March 26, 2011 7:24 PM
To: Pace, Patti
Subject: Fw: Chairman Jaczko travel

After you get them off, send me their info and I'll fire it off to them.

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

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

From: Fuller, Matthew G <FullerMG@state.gov>
To: Roos, John <RoosJ@state.gov>; [REDACTED] (b)(6); Batkin, Joshua;
Zumwalt, James P <ZumwaltJP@state.gov>; Angelov, Bonnie A <AngelovBA@state.gov>; Basalla, Suzanne I
<BasallaSI@state.gov>
Cc: Jaczko, Gregory; [REDACTED] (b)(6); Deming, Rust M
<DemingRM@state.gov>; Donovan, Joseph R <DonovanJR@state.gov>
Sent: Sat Mar 26 19:21:21 2011
Subject: RE: Chairman Jaczko travel

Josh - Thanks. If you can have your team pass us the details we'll make sure he's taken care of. Thanks. Matt

Matthew G. Fuller
Special Assistant to Ambassador John V. Roos U.S. Embassy Tokyo
03-3224-5554 (desk), [REDACTED] (b)(6) (mobile) Twitter.com/AmbassadorRoos

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

From: Roos, John
Sent: Sunday, March 27, 2011 7:47 AM
To: [REDACTED] (b)(6); 'Joshua.Batkin@nrc.gov'; Zumwalt, James P; Fuller, Matthew G; Angelov, Bonnie A;
Basalla, Suzanne I
Cc: 'Gregory.Jaczko@nrc.gov'; [REDACTED] (b)(6); Deming, Rust M; Donovan, Joseph R
Subject: Re: Chairman Jaczko travel

That is great and very much appreciated.

John

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

From: Russel, Daniel R. [REDACTED] (b)(6)

To: 'Batkin, Joshua' <Joshua.Batkin@nrc.gov>; Roos, John; Zumwalt, James P; Fuller, Matthew G; Angelov, Bonnie A; Basalla, Suzanne I
Cc: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>; Bader, Jeffrey A. <(b)(6)>; Deming, Rust M; Donovan, Joseph R
Sent: Sat Mar 26 18:43:31 2011
Subject: RE: Chairman Jaczko travel

Josh - Adding Embassy Tokyo contacts who can work directly with you. Also adding State Department.

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

From: Batkin, Joshua [mailto:Joshua.Batkin@nrc.gov]
Sent: Saturday, March 26, 2011 6:37 PM
To: Russel, Daniel R.; Bader, Jeffrey A.
Cc: Jaczko, Gregory
Subject: Chairman Jaczko travel

Gentleman - The Chairman is prepared to travel to Japan this weekend. The itinerary that works best is a departure later tonight, arrival in Tokyo in the morning on Monday (japan time) and a departure mid-day on Tuesday (japan time). Please confirm that works for the Embassy and we'll get him there. Thank you, Josh

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

This email is UNCLASSIFIED

From: Coggins, Angela
Sent: Saturday, March 26, 2011 7:34 PM
To: Pace, Patti
Subject: Fw: RSO Brief needed for dosimetry!

Importance: High

Do I need to go to the ops ctr? Not sure I'll have time... In the car now.

Angela Coggins
Policy Director
Office of Chairman Gregory B Jaczko
US Nuclear Regulatory Commission
angela.coggins@nrc.gov/301-415-1828

From: LIA03 Hoc
To: Coggins, Angela
Cc: Pace, Patti; Mroz (Sahm), Sara
Sent: Sat Mar 26 19:13:34 2011
Subject: RSO Brief needed for dosimetry!

Angela,

Please come to the Operation Center PMT room to pick up your dosimeter and receive a 5-minute "briefing" about use. We have KI for you as well (the Chairman has his own) Please let us know if there is anything else we can do for you.

Thanks!

-Jenny

From: Coggins, Angela
Sent: Saturday, March 26, 2011 7:37 PM
To: Pace, Patti
Subject: Re: RSO Brief needed for dosimetry!

Sorry just saw this. Will call when we get 5 minutes away. .
Angela Coggins
Policy Director
Office of Chairman Gregory B Jaczko
US Nuclear Regulatory Commission
angela.coggins@nrc.gov/301-415-1828

From: Pace, Patti
To: LIA03 Hoc; Coggins, Angela
Cc: Mroz (Sahm), Sara
Sent: Sat Mar 26 19:15:17 2011
Subject: RE: RSO Brief needed for dosimetry!

Angela is not going to have time to come in to the building. I don't know that the Chairman has his own KI can we please give Angela enough for both?

We are going to have to meet her out at the street with her passport. I think Sara is working with you on this, too.

Thanks

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: LIA03 Hoc
Sent: Saturday, March 26, 2011 7:14 PM
To: Coggins, Angela
Cc: Pace, Patti; Mroz (Sahm), Sara
Subject: RSO Brief needed for dosimetry!
Importance: High

Angela,
Please come to the Operation Center PMT room to pick up your dosimeter and receive a 5-minute "briefing" about use. We have KI for you as well (the Chairman has his own) Please let us know if there is anything else we can do for you.

Thanks!
-Jenny

From: Batkin, Joshua
Sent: Saturday, March 26, 2011 9:04 PM
To: 'JapanEmbassyTaskForce@state.gov'
Cc: Pace, Patti; 'FullerMG@state.gov'; Foggie, Kirk
Subject: Re: Chairman Jaczko travel

Great, thanks.

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

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

From: JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>
To: Batkin, Joshua; JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>
Cc: Wert, Robert A <WertRA@state.gov>; Bare, Robert A <BareRA@state.gov>; Hardin, Alexander K <HardinAK2@state.gov>; Wall, Marc M <WallMM@state.gov>; Forbes, James A <ForbesJA@state.gov>; Howard, E. Bruce <HowardEB@state.gov>; Cherry, Ronald C <CherryRC@state.gov>; Duncan, Aleshia D <DuncanAD@state.gov>; Zumwalt, James P <ZumwaltJP@state.gov>; Fuller, Matthew G <FullerMG@state.gov>; Angelov, Bonnie A <AngelovBA@state.gov>; Basalla, Suzanne I <BasallaSI@state.gov>; Deming, Rust M <DemingRM@state.gov>; Pace, Patti; Coggins, Angela; Foggie, Kirk; Bradford, Anna
Sent: Sat Mar 26 20:56:18 2011
Subject: RE: Chairman Jaczko travel

Thanks Josh. I just spoke with Kirk Foggie and he will work directly with the Embassy's General Services Office (Robert Bare and Alex Hardin) on ground transportation and hotel reservations.

Cheers,
Mike

This email is UNCLASSIFIED

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

From: Batkin, Joshua [mailto:Joshua.Batkin@nrc.gov]
Sent: Sunday, March 27, 2011 9:43 AM
To: JapanEmbassy, TaskForce
Cc: Wert, Robert A; Bare, Robert A; Hardin, Alexander K; Wall, Marc M; Forbes, James A; Howard, E. Bruce; Cherry, Ronald C; Duncan, Aleshia D; Zumwalt, James P; Fuller, Matthew G; Angelov, Bonnie A; Basalla, Suzanne I; Deming, Rust M; Pace, Patti; Coggins, Angela; Foggie, Kirk; Bradford, Anna
Subject: Re: Chairman Jaczko travel

Travelers: NRC Chairman Gregory B. Jaczko traveling on a diplomatic passport and his Policy Director Angela B. Coggins traveling on an official passport. (Neither have visas). Can you please also help with in-country transportation and hotel reservations? Please let me know if you need additional information and thank you so much for your assistance on short notice.

Here is their flight information:

Travel to Japan:

Saturday March 26th

United 924

IAD – LHR

10:05PM – 10:15AM

Sunday March 27th

Virgin Atlantic 900

LHR – Narita (NRT)

1:45PM – 9:30AM (Monday March 28th)

Return Travel to US:

Tuesday March 29

United 9682

NRT – IAD

11:05AM – 10:40AM (Same day)

Sincerely,

Josh

(b)(6)

c

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

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

From: JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>

To: Batkin, Joshua

Cc: Wert, Robert A <WertRA@state.gov>; Bare, Robert A <BareRA@state.gov>; Hardin, Alexander K <HardinAK2@state.gov>; Wall, Marc M <WallMM@state.gov>; Forbes, James A <ForbesJA@state.gov>; Howard, E. Bruce <HowardEB@state.gov>; Cherry, Ronald C <CherryRC@state.gov>; Duncan, Aleshia D <DuncanAD@state.gov>; Zumwalt, James P <ZumwaltJP@state.gov>; JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>; Fuller, Matthew G <FullerMG@state.gov>; Angelov, Bonnie A <AngelovBA@state.gov>; Basalla, Suzanne I <BasallaSI@state.gov>; Deming, Rust M <DemingRM@state.gov>

Sent: Sat Mar 26 20:24:13 2011

Subject: RE: Chairman Jaczko travel

Josh,

Greetings from Tokyo. Could you please send us the flight information for the chairman and the names of the people in the traveling party?

Thanks,
Mike Daschbach
Embassy Japan Emergency Command Center

This email is UNCLASSIFIED

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

From: Forbes, James A
Sent: Sunday, March 27, 2011 9:08 AM
To: Bare, Robert A; JapanEmbassy, TaskForce; Hardin, Alexander K
Cc: Wert, Robert A
Subject: RE: Chairman Jaczko travel

And the number of people accompanying the chairman?

This email is UNCLASSIFIED

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

From: Bare, Robert A
Sent: Sunday, March 27, 2011 9:07 AM
To: JapanEmbassy, TaskForce; Hardin, Alexander K
Cc: Forbes, James A; Wert, Robert A
Subject: Re: Chairman Jaczko travel

Can the task force find out arrival details? Milair or commair?

Thanks,

Robert

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

From: JapanEmbassy, TaskForce
To: Hardin, Alexander K; Bare, Robert A
Cc: Forbes, James A; Wert, Robert A
Sent: Sat Mar 26 19:58:57 2011
Subject: FW: Chairman Jaczko travel

This email is UNCLASSIFIED-----Original Message-----

From: Horowitz, Paul D
Sent: Sunday, March 27, 2011 8:56 AM
To: JapanEmbassy, TaskForce
Subject: Fw: Chairman Jaczko travel

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

From: Cherry, Ronald C
To: Wall, Marc M; Horowitz, Paul D; Howard, E. Bruce; Duncan, Aleshia D
Sent: Sat Mar 26 19:54:57 2011
Subject: FW: Chairman Jaczko travel

Please note NRC Chairman visit -- could be tomorrow.

SBU

This email is UNCLASSIFIED

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

From: Russel, Daniel R. [mailto:(b)(6)]
Sent: Sunday, March 27, 2011 8:06 AM
To: Cherry, Ronald C; 'Steven.Aoki@nnsa.doe.gov'
Subject: FW: Chairman Jaczko travel

FYI

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

From: Russel, Daniel R.
Sent: Saturday, March 26, 2011 6:44 PM
To: 'Batkin, Joshua'; John V. Roos (roosj@state.gov); James Zumwalt (ZumwaltJP@state.gov); Matthew G Fuller (FullerMG@state.gov); Angelov, Bonnie A; Basalla, Suzanne I
Cc: Jaczko, Gregory; Bader, Jeffrey A.; Rust Deming (demingrm@state.gov); Donovan, Joseph R
Subject: RE: Chairman Jaczko travel

Josh - Adding Embassy Tokyo contacts who can work directly with you. Also adding State Department.

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

From: Batkin, Joshua [mailto:Joshua.Batkin@nrc.gov]
Sent: Saturday, March 26, 2011 6:37 PM
To: Russel, Daniel R.; Bader, Jeffrey A.
Cc: Jaczko, Gregory
Subject: Chairman Jaczko travel

Gentleman - The Chairman is prepared to travel to Japan this weekend. The itinerary that works best is a departure later tonight, arrival in Tokyo in the morning on Monday (japan time) and a departure mid-day on Tuesday (japan time). Please confirm that works for the Embassy and we'll get him there. Thank you, Josh

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: LIA03 Hoc
Sent: Saturday, March 26, 2011 9:16 PM
To: Pace, Patti
Subject: RE: JAPANESE TRAVELER INFORMATION.docx

Yup!

From: Pace, Patti
Sent: Saturday, March 26, 2011 9:15 PM
To: LIA03 Hoc
Subject: RE: JAPANESE TRAVELER INFORMATION.docx

Quick Q –

Are these numbers for Kirk and Brooke good international mobile phone numbers?

Kirk Foggie International Relations Officer	(b)(6)
Brooke Smith International Policy Analyst	

Thanks!

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: LIA03 Hoc
Sent: Saturday, March 26, 2011 4:22 PM
To: Pace, Patti
Cc: LIA02 Hoc
Subject: JAPANESE TRAVELER INFORMATION.docx

Patti,

Attached is the current list of NRC folks in Japan. The first two pages is the first round of personnel, the next two pages is the second round. Please let us know if/when there will be other travelers.

Thanks!
-Jenny

From: Batkin, Joshua
Sent: Saturday, March 26, 2011 9:21 PM
To: Pace, Patti; Coggins, Angela
Cc: Bradford, Anna
Subject: Re: Phone #s for Kirk and Brooke

Yess, and anna was going to forward info to them.

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Pace, Patti
To: Batkin, Joshua; Coggins, Angela
Sent: Sat Mar 26 21:20:26 2011
Subject: RE: Phone #s for Kirk and Brooke

No way! I am not leaving until I know their flight is in the air.

I worked up an itinerary to send to the HOO. Just has flight information and phone numbers right now. Want me also to circulate to our staff?

Thanks

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Batkin, Joshua
Sent: Saturday, March 26, 2011 9:18 PM
To: Pace, Patti; Coggins, Angela
Subject: Re: Phone #s for Kirk and Brooke

Awesome. Thanks. Go home and great work today!! Angela, you at the gate?

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Pace, Patti
To: Coggins, Angela; Batkin, Joshua
Sent: Sat Mar 26 21:17:25 2011
Subject: Phone #s for Kirk and Brooke

In case you need them, here are mobile numbers for Kirk and Brooke:

Kirk Foggie
Brooke Smith

Mobile
Mobile

(b)(6)

Thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Bradford, Anna
Sent: Saturday, March 26, 2011 9:33 PM
To: Hipschman, Thomas; Marshall, Michael; Dhir, Neha; Clark, Lisa; Fopma, Melody; Warren, Roberta; Montes, David; Pace, Patti; Gibbs, Catina; Speiser, Herald
Subject: Fw: Chairman and Angela's Flight Itinerary

Please see below.

From: Batkin, Joshua
To: Bradford, Anna; Loyd, Susan
Sent: Sat Mar 26 21:20:06 2011
Subject: Fw: Chairman and Angela's Flight Itinerary

Fyi

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Pace, Patti
To: Batkin, Joshua
Sent: Sat Mar 26 20:37:10 2011
Subject: Chairman and Angela's Flight Itinerary

Travel to Japan:

Saturday March 26th
United 924
IAD – LHR
10:05PM – 10:15AM

Sunday March 27th
Virgin Atlantic 900
LHR – Narita (NRT)
1:45PM – 9:30AM (Monday March 28th)

Return Travel to US:

Tuesday March 29th
United 9682
NRT – IAD
11:05AM – 10:40AM (Same day)

Thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission

301-415-1820 (office)
301-415-3504 (fax)

From: Zumwalt, James P <ZumwaltJP@state.gov>
Sent: Saturday, March 26, 2011 10:14 PM
To: JapanEmbassy, TaskForce; Batkin, Joshua
Cc: Wert, Robert A; Bare, Robert A; Hardin, Alexander K; Wall, Marc M; Forbes, James A; Howard, E. Bruce; Cherry, Ronald C; Duncan, Aleshia D; Fuller, Matthew G; Angelov, Bonnie A; Basalla, Suzanne I; Deming, Rust M; Pace, Patti; Coggins, Angela; Foggie, Kirk; Bradford, Anna; Webster, Jessica M (Hanoi)
Subject: RE: Chairman Jaczko travel

Looping in Jessica Webster who is also working with the NRC team on planning this visit.

James P. Zumwalt
Deputy Chief of Mission
U.S. Embassy, Tokyo
1-10-5 Akasaka
Minato ku Tokyo 107-8420
(03) 3224-5550
<http://tokyo.usembassy.gov/zb主blog/e/zb主blog-main.html>

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

From: JapanEmbassy, TaskForce
Sent: Sunday, March 27, 2011 9:56 AM
To: 'Batkin, Joshua'; JapanEmbassy, TaskForce
Cc: Wert, Robert A; Bare, Robert A; Hardin, Alexander K; Wall, Marc M; Forbes, James A; Howard, E. Bruce; Cherry, Ronald C; Duncan, Aleshia D; Zumwalt, James P; Fuller, Matthew G; Angelov, Bonnie A; Basalla, Suzanne I; Deming, Rust M; Pace, Patti; Coggins, Angela; Foggie, Kirk; Bradford, Anna
Subject: RE: Chairman Jaczko travel

Thanks Josh. I just spoke with Kirk Foggie and he will work directly with the Embassy's General Services Office (Robert Bare and Alex Hardin) on ground transportation and hotel reservations.

Cheers,
Mike

This email is UNCLASSIFIED

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

From: Batkin, Joshua [mailto:Joshua.Batkin@nrc.gov]
Sent: Sunday, March 27, 2011 9:43 AM
To: JapanEmbassy, TaskForce
Cc: Wert, Robert A; Bare, Robert A; Hardin, Alexander K; Wall, Marc M; Forbes, James A; Howard, E. Bruce; Cherry, Ronald C; Duncan, Aleshia D; Zumwalt, James P; Fuller, Matthew G; Angelov, Bonnie A; Basalla, Suzanne I; Deming, Rust M; Pace, Patti; Coggins, Angela; Foggie, Kirk; Bradford, Anna
Subject: Re: Chairman Jaczko travel

Travelers: NRC Chairman Gregory B. Jaczko traveling on a diplomatic passport and his Policy Director Angela B. Coggins traveling on an official passport. (Neither have visas). Can you please also help with in-country transportation and hotel

reservations? Please let me know if you need additional information and thank you so much for your assistance on short notice.

Here is their flight information:

Travel to Japan:

Saturday March 26th

United 924

IAD – LHR

10:05PM – 10:15AM

Sunday March 27th

Virgin Atlantic 900

LHR – Narita (NRT)

1:45PM – 9:30AM (Monday March 28th)

Return Travel to US:

Tuesday March 29

United 9682

NRT – IAD

11:05AM – 10:40AM (Same day)

Sincerely,

Josh

(b)(6)

c

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

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

From: JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>

To: Batkin, Joshua

Cc: Wert, Robert A <WertRA@state.gov>; Bare, Robert A <BareRA@state.gov>; Hardin, Alexander K <HardinAK2@state.gov>; Wall, Marc M <WallMM@state.gov>; Forbes, James A <ForbesJA@state.gov>; Howard, E. Bruce <HowardEB@state.gov>; Cherry, Ronald C <CherryRC@state.gov>; Duncan, Aleshia D <DuncanAD@state.gov>; Zumwalt, James P <ZumwaltJP@state.gov>; JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>; Fuller,

Matthew G <FullerMG@state.gov>; Angelov, Bonnie A <AngelovBA@state.gov>; Basalla, Suzanne I <BasallaSI@state.gov>; Deming, Rust M <DemingRM@state.gov>
Sent: Sat Mar 26 20:24:13 2011
Subject: RE: Chairman Jaczko travel

Josh,

Greetings from Tokyo. Could you please send us the flight information for the chairman and the names of the people in the traveling party?

Thanks,
Mike Daschbach
Embassy Japan Emergency Command Center

This email is UNCLASSIFIED

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

From: Forbes, James A
Sent: Sunday, March 27, 2011 9:08 AM
To: Bare, Robert A; JapanEmbassy, TaskForce; Hardin, Alexander K
Cc: Wert, Robert A
Subject: RE: Chairman Jaczko travel

And the number of people accompanying the chairman?

This email is UNCLASSIFIED

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

From: Bare, Robert A
Sent: Sunday, March 27, 2011 9:07 AM
To: JapanEmbassy, TaskForce; Hardin, Alexander K
Cc: Forbes, James A; Wert, Robert A
Subject: Re: Chairman Jaczko travel

Can the task force find out arrival details? Milair or commair?

Thanks,

Robert

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

From: JapanEmbassy, TaskForce
To: Hardin, Alexander K; Bare, Robert A
Cc: Forbes, James A; Wert, Robert A
Sent: Sat Mar 26 19:58:57 2011
Subject: FW: Chairman Jaczko travel

This email is UNCLASSIFIED-----Original Message-----

From: Horowitz, Paul D
Sent: Sunday, March 27, 2011 8:56 AM
To: JapanEmbassy, TaskForce
Subject: Fw: Chairman Jaczko travel

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

From: Cherry, Ronald C
To: Wall, Marc M; Horowitz, Paul D; Howard, E. Bruce; Duncan, Aleshia D
Sent: Sat Mar 26 19:54:57 2011
Subject: FW: Chairman Jaczko travel

Please note NRC Chairman visit -- could be tomorrow.

SBU

This email is UNCLASSIFIED

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

From: Russel, Daniel R. [mailto:(b)(6)]
Sent: Sunday, March 27, 2011 8:06 AM
To: Cherry, Ronald C; 'Steven.Aoki@nnsa.doe.gov'
Subject: FW: Chairman Jaczko travel

FYI

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

From: Russel, Daniel R.
Sent: Saturday, March 26, 2011 6:44 PM
To: 'Batkin, Joshua'; John V. Roos (roosj@state.gov); James Zumwalt (ZumwaltJP@state.gov); Matthew G Fuller (FullerMG@state.gov); Angelov, Bonnie A; Basalla, Suzanne I
Cc: Jaczko, Gregory; Bader, Jeffrey A.; Rust Deming (demingrm@state.gov); Donovan, Joseph R
Subject: RE: Chairman Jaczko travel

Josh - Adding Embassy Tokyo contacts who can work directly with you. Also adding State Department.

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

From: Batkin, Joshua [mailto:Joshua.Batkin@nrc.gov]
Sent: Saturday, March 26, 2011 6:37 PM
To: Russel, Daniel R.; Bader, Jeffrey A.
Cc: Jaczko, Gregory
Subject: Chairman Jaczko travel

Gentleman - The Chairman is prepared to travel to Japan this weekend. The itinerary that works best is a departure later tonight, arrival in Tokyo in the morning on Monday (japan time) and a departure mid-day on Tuesday (japan time). Please confirm that works for the Embassy and we'll get him there. Thank you, Josh

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Bradford, Anna
Sent: Saturday, March 26, 2011 9:47 PM
To: Pace, Patti
Subject: Re: Monday and Tuesday Schedule

I KNEW it!!

I think you should just give up. :)

From: Pace, Patti
To: Bradford, Anna
Sent: Sat Mar 26 21:46:47 2011
Subject: RE: Monday and Tuesday Schedule

He is going to Japan to get out of having to find a speaker for the September event.

I came in at 12:00p to get some filing done and organize my desk. It is WAY WORSE now.

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Bradford, Anna
Sent: Saturday, March 26, 2011 9:45 PM
To: Pace, Patti; Batkin, Joshua
Subject: Re: Monday and Tuesday Schedule

Nooooo, not the Meserve call!!!

From: Pace, Patti
To: Batkin, Joshua; Bradford, Anna
Sent: Sat Mar 26 21:41:28 2011
Subject: Monday and Tuesday Schedule

Hi Josh,

Wondering if you or Anna would like to conduct some of these meetings on in the Chairman's absence?

Here is his schedule – let me know what you might want to keep before I cancel everything. Thanks!

Monday March 28, 2011

7:15 AM - 7:30 AM ET Status Briefing -- HOO to call Chairman

8:30 AM - 9:00 AM Meeting: Senior Staff -- O17F22

9:00 AM - 9:30 AM NSAD with Commissioners

10:00 AM - 11:00 AM Weekly Meeting with the DEDOs (**NOTE This is just with Darren**)-- Chairman's Office, O17D01

11:00 AM - 11:45 AM Periodic: Commissioner Ostendorff -- O17D01

11:45 AM - 12:00 PM Periodic: SECY, AVietti-Cook -- O17D01

1:00 PM - 1:30 PM Periodic: NMSS, CHaney -- O17D01

2:00 PM - 2:30 PM Periodic: OIG, HBell -- O17D01

2:30 PM - 2:45 PM Call Time* - Dr. Meserve

3:00 PM - 4:00 PM Open Door -- Chairman's Office

3:15 PM - 3:30 PM ET Status Briefing -- HOO to call Chairman

4:00 PM - 5:00 PM Weekly Meeting with EDO -- O17D01

Tuesday March 29, 2011

7:15 AM - 7:30 AM ET Status Briefing -- HOO to call Chairman

8:30 AM - 9:00 AM Meeting: Senior Staff -- O17F22

9:00 AM - 12:00 PM BRIEFING ON SMALL MODULAR REACTORS (Public Meeting) -- OWFN 1st Fl Conf Rm

1:00 PM - 2:30 PM Congressional Hearing Prep -- 18th Floor Conference Room

2:30 PM - 3:00 PM Drop In: ASTRO -- O17D01

3:00 PM - 4:00 PM Travel time to Capitol Hill

3:15 PM - 3:30 PM ET Status Briefing -- HOO to call Chairman

4:00 PM - 4:30 PM Meeting with Vermont Congressional Delegation -- Senator Sanders' Office, 332 Dirksen Building

5:00 PM - 5:30 PM Meeting: Senator Frank Lautenberg (NJ) -- 324 Hart Senate Office Building

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Pace, Patti
Sent: Saturday, March 26, 2011 10:15 PM
To: Batkin, Joshua
Subject: RE: Hotel Information

Still just says, "departed gate"

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Batkin, Joshua
Sent: Saturday, March 26, 2011 10:13 PM
To: Pace, Patti
Subject: Re: Hotel Information

They off the ground?

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Pace, Patti
To: Batkin, Joshua; Coggins, Angela; Bradford, Anna
Sent: Sat Mar 26 22:09:06 2011
Subject: Hotel Information

Just saw this on the Country Clearance that came through from State:

(b)(6)

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Pace, Patti
Sent: Saturday, March 26, 2011 10:16 PM
To: Batkin, Joshua
Subject: RE: Hotel Information

Now says in flight!

I'm out!

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Batkin, Joshua
Sent: Saturday, March 26, 2011 10:13 PM
To: Pace, Patti
Subject: Re: Hotel Information

They off the ground?

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Pace, Patti
To: Batkin, Joshua; Coggins, Angela; Bradford, Anna
Sent: Sat Mar 26 22:09:06 2011
Subject: Hotel Information

Just saw this on the Country Clearance that came through from State:

(b)(6)

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Pace, Patti
Sent: Saturday, March 26, 2011 10:18 PM
To: Batkin, Joshua
Subject: RE: Hotel Information

I'm coming back in tomorrow around 12p, email if you need me in the meantime. Thanks!

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Batkin, Joshua
Sent: Saturday, March 26, 2011 10:13 PM
To: Pace, Patti
Subject: Re: Hotel Information

They off the ground?

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Pace, Patti
To: Batkin, Joshua; Coggins, Angela; Bradford, Anna
Sent: Sat Mar 26 22:09:06 2011
Subject: Hotel Information

Just saw this on the Country Clearance that came through from State:

(b)(6)

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Jaczko, Gregory <Gregory.Jaczko@nrc.gov>
Sent: Sunday, March 27, 2011 5:56 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: <<< News for Immediate Release >>>

From: (b)(6) on behalf of Thomas Saporito[SMTP:THOMAS@SAPRODANI-ASSOCIATES.COM]
Sent: Sunday, March 27, 2011 5:56:20 AM
Subject: <<< News for Immediate Release >>>
Auto forwarded by a Rule



GE Mark I Nuclear Reactor

It has now become abundantly clear that the Japanese nuclear reactor #3 is in a *full-blown nuclear melt-down* and is emitting deadly high-levels of radiation and ***releasing lethal radioactive particles into the environment***. Japanese authorities are expected to raise the severity level to the maximum in the immediate future. To the extent that dangerously high-levels of radiation are now being emitted from Unit #3, Japanese authorities will *not be able to regain control* and the melt-down will escalate significantly in relatively short-order. Based on information and belief, both the Unit #3 containment building and reactor vessel have been breached. The high-level radioactive contamination will travel with the prevailing wind currents and with the ocean currents to other areas of the world. Reports of Iodine-131 levels being detected have already occurred in the USA.

U.S. citizens should purchase Potassium Iodide capsules to protect the thyroid gland from absorbing radioactive iodine - but wait until further notice from authorities before ingesting the capsules.

Thomas Saporito, Senior Consulting Associate
Email: thomas@saprodani-associates.com
Web: <http://Saprodani-Associates.com>
Post Office Box 8413, Jupiter, Florida 33468
Phone: (561) 972-8363 Fax: (561) 247-6404
Saprodani-Associates - Advocate/GreenPeace USA

From: Pace, Patti
Sent: Sunday, March 27, 2011 8:04 AM
To: Batkin, Joshua
Subject: Fw: In london

FYI
Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

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

From: Foggie, Kirk
To: Coggins, Angela; Smith, Brooke
Cc: Pace, Patti
Sent: Sun Mar 27 08:02:49 2011
Subject: RE: In london

Angela ,
Here is a the draft itinerary, which is going to change (times), but it will give you a sense of what the Chairman's day will look like.

0930 Arrive Narita (flight)
 Met by DCM Jim Zumwalt, EconMinCouns Marc Wall, NRC Team Leader
 Dan Dorman and NRC Officer Kirk Foggie

1115 (b)(6)

1150 Walk to Embassy

1200 Meeting with Ambassador John V. Roos and Interagency Team
 Location: 9th Floor Conference Room
 Participants: Ambassador, Chairman, Coggins, Casto/Dorman, Foggie,
 DCM Jim Zumwalt, Econ Minister Counselor Marc Wall, Political Minister Counselor Rob Luke, DOE
 Attaché Ron Cherry, DAO, Ag Minister Counselor Wiggin, Alan Remick (DOE), Joe Hugart/Dr. Norm Coleman,
 Bill Berger (DART), USFJ (TBD)

 Visit NRC staff room, Embassy, 1st floor (TBC)

1345 Depart in Embassy van

1400 Meeting with Cabinet Office Crisis Management Leadership
 Location: Cabinet Office/TEPCO (TBC)
 Participants: Special Advisor to the Prime Minister Goshi Hosono,
 Deputy Chief Cabinet Secretary Tetsuro Fukuyama (TBC)

1445 Depart in Embassy van; meet Ambassador Roos at METI

1500 Meeting with METI Minister Banri Kaieda (TBC)
Participants: Minister, NISA, others TBD

Walk to NISA offices

1530 Meeting with Nuclear and Industrial Safety Administration (NISA)
Director General Nobuaki Terasaka

1615 Depart for TEPCO in Embassy van

1630 Meeting with TEPCO Chairman Tsunehisa Katsumata and Executive
Vice President and Representative Director Sakae Muto

TBD Return to hotel in Embassy car
TBD Depart for Cabinet Office in Embassy car
2000 Cabinet Office Crisis Management Meeting

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

From: Coggins, Angela
Sent: Sunday, March 27, 2011 7:44 AM
To: Smith, Brooke; Foggie, Kirk
Subject: In london

Hi! Just checking in to see if there is an itinerary yet? Let me know how things are shaping up. Thanks! (I'm emailing rather than calling (b)(6)) Angela Coggins Policy Director Office of Chairman Gregory B Jaczko US Nuclear Regulatory Commission
angela.coggins@nrc.gov/301-415-1828

From: Pace, Patti
Sent: Sunday, March 27, 2011 8:06 AM
To: Foggie, Kirk
Subject: Re: In london

Thanks, Kirk! Looks like you were able to put together a lot on short notice.
Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

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

From: Foggie, Kirk
To: Coggins, Angela; Smith, Brooke
Cc: Pace, Patti
Sent: Sun Mar 27 08:02:49 2011
Subject: RE: In london

Angela ,
Here is a the draft itinerary, which is going to change (times), but it will give you a sense of what the Chairman's day will look like.

0930 Arrive Narita (flight)
 Met by DCM Jim Zumwalt, EconMinCouns Marc Wall, NRC Team Leader
 Dan Dorman and NRC Officer Kirk Foggie

1115 (b)(6)

1150 Walk to Embassy

1200 Meeting with Ambassador John V. Roos and Interagency Team
 Location: 9th Floor Conference Room
 Participants: Ambassador, Chairman, Coggins, Casto/Dorman, Foggie,
 DCM Jim Zumwalt, Econ Minister Counselor Marc Wall, Political Minister Counselor Rob Luke, DOE
Attaché Ron Cherry, DAO, Ag Minister Counselor Wiggin, Alan Remick (DOE), Joe Hugart/Dr. Norm Coleman,
Bill Berger (DART), USFJ (TBD)

 Visit NRC staff room, Embassy, 1st floor (TBC)

1345 Depart in Embassy van

1400 Meeting with Cabinet Office Crisis Management Leadership
 Location: Cabinet Office/TEPCO (TBC)
 Participants: Special Advisor to the Prime Minister Goshi Hosono,
 Deputy Chief Cabinet Secretary Tetsuro Fukuyama (TBC)

1445 Depart in Embassy van; meet Ambassador Roos at METI

1500 Meeting with METI Minister Banri Kaieda (TBC)
Participants: Minister, NISA, others TBD

Walk to NISA offices

1530 Meeting with Nuclear and Industrial Safety Administration (NISA)
Director General Nobuaki Terasaka

1615 Depart for TEPCO in Embassy van

1630 Meeting with TEPCO Chairman Tsunehisa Katsumata and Executive
Vice President and Representative Director Sakae Muto

TBD Return to hotel in Embassy car

TBD Depart for Cabinet Office in Embassy car

2000 Cabinet Office Crisis Management Meeting

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

From: Coggins, Angela
Sent: Sunday, March 27, 2011 7:44 AM
To: Smith, Brooke; Foggie, Kirk
Subject: In london

Hi! Just checking in to see if there is an itinerary yet? Let me know how things are shaping up. Thanks! (I'm emailing rather than calling (b)(6).) Angela Coggins Policy Director Office of Chairman Gregory B Jaczko US Nuclear Regulatory Commission
angela.coggins@nrc.gov/301-415-1828

From: Coggins, Angela
Sent: Sunday, March 27, 2011 8:06 AM
To: Foggie, Kirk; Smith, Brooke
Cc: Pace, Patti
Subject: Re: In london

Thanks so much, Kirk!
Angela Coggins
Policy Director
Office of Chairman Gregory B Jaczko
US Nuclear Regulatory Commission
angela.coggins@nrc.gov/301-415-1828

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

From: Foggie, Kirk
To: Coggins, Angela; Smith, Brooke
Cc: Pace, Patti
Sent: Sun Mar 27 08:02:49 2011
Subject: RE: In london

Angela ,
Here is a the draft itinerary, which is going to change (times), but it will give you a sense of what the Chairman's day will look like.

0930 Arrive Narita (flight)
 Met by DCM Jim Zumwalt, EconMinCouns Marc Wall, NRC Team Leader
 Dan Dorman and NRC Officer Kirk Foggie

1115 (b)(6)

1150 Walk to Embassy

1200 Meeting with Ambassador John V. Roos and Interagency Team
 Location: 9th Floor Conference Room
 Participants: Ambassador, Chairman, Coggins, Casto/Dorman, Foggie,
 DCM Jim Zumwalt, Econ Minister Counselor Marc Wall, Political Minister Counselor Rob Luke, DOE
 Attaché Ron Cherry, DAO, Ag Minister Counselor Wiggin, Alan Remick (DOE), Joe Hugart/Dr. Norm Coleman,
 Bill Berger (DART), USFJ (TBD)

 Visit NRC staff room, Embassy, 1st floor (TBC)

1345 Depart in Embassy van

1400 Meeting with Cabinet Office Crisis Management Leadership
 Location: Cabinet Office/TEPCO (TBC)
 Participants: Special Advisor to the Prime Minister Goshi Hosono,
 Deputy Chief Cabinet Secretary Tetsuro Fukuyama (TBC)

1445 Depart in Embassy van; meet Ambassador Roos at METI

1500 Meeting with METI Minister Banri Kaieda (TBC)
Participants: Minister, NISA, others TBD

Walk to NISA offices

1530 Meeting with Nuclear and Industrial Safety Administration (NISA)
Director General Nobuaki Terasaka

1615 Depart for TEPCO in Embassy van

1630 Meeting with TEPCO Chairman Tsunehisa Katsumata and Executive
Vice President and Representative Director Sakae Muto

TBD Return to hotel in Embassy car

TBD Depart for Cabinet Office in Embassy car

2000 Cabinet Office Crisis Management Meeting

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

From: Coggins, Angela

Sent: Sunday, March 27, 2011 7:44 AM

To: Smith, Brooke; Foggie, Kirk

Subject: In london

Hi! Just checking in to see if there is an itinerary yet? Let me know how things are shaping up. Thanks! (I'm emailing rather than calling (b)(6) ..) Angela Coggins Policy Director Office of Chairman Gregory B Jaczko US Nuclear Regulatory Commission
angela.coggins@nrc.gov/301-415-1828

From: Jaczko, Gregory
Sent: Sunday, March 27, 2011 8:07 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: In london

From: Coggins, Angela
Sent: Sunday, March 27, 2011 8:06:31 AM
To: Jaczko, Gregory
Subject: Fw: In london
Auto forwarded by a Rule

The itinerary ...
Angela Coggins
Policy Director
Office of Chairman Gregory B Jaczko
US Nuclear Regulatory Commission
angela.coggins@nrc.gov/301-415-1828

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

From: Foggie, Kirk
To: Coggins, Angela; Smith, Brooke
Cc: Pace, Patti
Sent: Sun Mar 27 08:02:49 2011
Subject: RE: In london

Angela ,
Here is a the draft itinerary, which is going to change (times), but it will give you a sense of what the Chairman's day will look like.

0930	Arrive Narita (flight) Met by DCM Jim Zumwalt, EconMinCouns Marc Wall, NRC Team Leader Dan Dorman and NRC Officer Kirk Foggie
1115	<div style="border: 1px solid black; padding: 2px; display: inline-block;">(b)(6)</div>
1150	Walk to Embassy
1200	Meeting with Ambassador John V. Roos and Interagency Team Location: 9th Floor Conference Room Participants: Ambassador, Chairman, Coggins, Casto/Dorman, Foggie, DCM Jim Zumwalt, Econ Minister Counselor Marc Wall, Political Minister Counselor Rob Luke, DOE Attaché Ron Cherry, DAO, Ag Minister Counselor Wiggins, Alan Remick (DOE), Joe Hugart/Dr. Norm Coleman, Bill Berger (DART), USFJ (TBD)
	Visit NRC staff room, Embassy, 1st floor (TBC)

1345 Depart in Embassy van

1400 Meeting with Cabinet Office Crisis Management Leadership
Location: Cabinet Office/TEPCO (TBC)
Participants: Special Advisor to the Prime Minister Goshi Hosono,
Deputy Chief Cabinet Secretary Tetsuro Fukuyama (TBC)

1445 Depart in Embassy van; meet Ambassador Roos at METI

1500 Meeting with METI Minister Banri Kaieda (TBC)
Participants: Minister, NISA, others TBD

Walk to NISA offices

1530 Meeting with Nuclear and Industrial Safety Administration (NISA)
Director General Nobuaki Terasaka

1615 Depart for TEPCO in Embassy van

1630 Meeting with TEPCO Chairman Tsunehisa Katsumata and Executive
Vice President and Representative Director Sakae Muto

TBD Return to hotel in Embassy car

TBD Depart for Cabinet Office in Embassy car

2000 Cabinet Office Crisis Management Meeting

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

From: Coggins, Angela
Sent: Sunday, March 27, 2011 7:44 AM
To: Smith, Brooke; Foggie, Kirk
Subject: In london

Hi! Just checking in to see if there is an itinerary yet? Let me know how things are shaping up. Thanks! (I'm emailing rather than calling (b)(6) ...) Angela Coggins Policy Director Office of Chairman Gregory B Jaczko US Nuclear Regulatory Commission
angela.coggins@nrc.gov/301-415-1828

From: Jaczko, Gregory
Sent: Sunday, March 27, 2011 8:07 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: In london

From: Foggie, Kirk
Sent: Sunday, March 27, 2011 8:06:43 AM
To: Jaczko, Gregory
Cc: Batkin, Joshua; Monninger, John
Subject: FW: In london
Auto forwarded by a Rule

Mr. Chairman,

I meant to send this to you directly (see below). This is just a draft and will likely change by the time you get here.

Kirk

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

From: Foggie, Kirk
Sent: Sunday, March 27, 2011 8:03 AM
To: Coggins, Angela; Smith, Brooke
Cc: Pace, Patti
Subject: RE: In london

Angela,

Here is a the draft itinerary, which is going to change (times), but it will give you a sense of what the Chairman's day will look like.

0930	Arrive Narita (flight) Met by DCM Jim Zumwalt, EconMinCouns Marc Wall, NRC Team Leader Dan Dorman and NRC Officer Kirk Foggie
1115	<div style="border: 1px solid black; padding: 2px; display: inline-block;">(b)(6)</div>
1150	Walk to Embassy
1200	Meeting with Ambassador John V. Roos and Interagency Team Location: 9th Floor Conference Room Participants: Ambassador, Chairman, Coggins, Casto/Dorman, Foggie, DCM Jim Zumwalt, Econ Minister Counselor Marc Wall, Political Minister Counselor Rob Luke, DOE Attaché Ron Cherry, DAO, Ag Minister Counselor Wiggin, Alan Remick (DOE), Joe Hugart/Dr. Norm Coleman, Bill Berger (DART), USFJ (TBD)

Visit NRC staff room, Embassy, 1st floor (TBC)

1345 Depart in Embassy van

1400 Meeting with Cabinet Office Crisis Management Leadership
Location: Cabinet Office/TEPCO (TBC)
Participants: Special Advisor to the Prime Minister Goshi Hosono,
Deputy Chief Cabinet Secretary Tetsuro Fukuyama (TBC)

1445 Depart in Embassy van; meet Ambassador Roos at METI

1500 Meeting with METI Minister Banri Kaieda (TBC)
Participants: Minister, NISA, others TBD

Walk to NISA offices

1530 Meeting with Nuclear and Industrial Safety Administration (NISA)
Director General Nobuaki Terasaka

1615 Depart for TEPCO in Embassy van

1630 Meeting with TEPCO Chairman Tsunehisa Katsumata and Executive
Vice President and Representative Director Sakae Muto

TBD Return to hotel in Embassy car

TBD Depart for Cabinet Office in Embassy car

2000 Cabinet Office Crisis Management Meeting

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

From: Coggins, Angela
Sent: Sunday, March 27, 2011 7:44 AM
To: Smith, Brooke; Foggie, Kirk
Subject: In london

Hi! Just checking in to see if there is an itinerary yet? Let me know how things are shaping up. Thanks! (I'm emailing rather than calling (b)(6)...) Angela Coggins Policy Director Office of Chairman Gregory B Jaczko US Nuclear Regulatory Commission
angela.coggins@nrc.gov/301-415-1828

From: Pace, Patti
Sent: Sunday, March 27, 2011 8:26 AM
To: Coggins, Angela
Cc: Batkin, Joshua
Subject: Fw: Travel Cards

FYI
Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

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

From: Matheson, Mary
To: Pace, Patti
Sent: Sun Mar 27 08:20:51 2011
Subject: RE: Travel Cards

Patti,

Yes, we called Citibank when the event first happened and alerted them that NRC will be traveling to Japan often and for long periods of time. We have asked them to contact us if there are any issues. I will make sure we give them both Chairman Jaczko and Angela's names to ensure a smooth trip.

Mary

From: Pace, Patti
Sent: Saturday, March 26, 2011 10:52 PM
To: Matheson, Mary
Subject: Travel Cards

Mary,

Can you or someone on your team help me alert Citibank that Chairman and Angela are going to Japan and will be using their cards there? I have both of their credit card numbers in the office.

Thanks!!
Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: Jaczko, Gregory
Sent: Sunday, March 27, 2011 8:26 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Chairman Jaczko travel

From: Coggins, Angela
Sent: Sunday, March 27, 2011 8:26:24 AM
To: Jaczko, Gregory
Subject: Fw: Chairman Jaczko travel
Auto forwarded by a Rule

Sir, does this look good to you?
Angela Coggins
Policy Director
Office of Chairman Gregory B Jaczko
US Nuclear Regulatory Commission
angela.coggins@nrc.gov/301-415-1828

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

From: Batkin, Joshua
To: Coggins, Angela
Cc: Monninger, John; Brenner, Eliot
Sent: Sun Mar 27 08:22:14 2011
Subject: Fw: Chairman Jaczko travel

This looks good to me. Any feedback from him?

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

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

From: Chang, Benjamin <ChangBE@state.gov>
To: Wall, Marc M <WallMM@state.gov>; Batkin, Joshua; Zumwalt, James P <ZumwaltJP@state.gov>
Cc: Fuller, Matthew G <FullerMG@state.gov>; Brenner, Eliot; Phillips, Leslie M <PhillipsLM@state.gov>
Sent: Sun Mar 27 04:26:51 2011
Subject: Re: Chairman Jaczko travel

(+ Leslie, now in Tokyo)

A draft press plan - comments welcome:

Visit of NRC Chairman Jaczko 3-28-11

Press posture

From: JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>
To: Batkin, Joshua
Cc: Wert, Robert A <WertRA@state.gov>; Bare, Robert A <BareRA@state.gov>; Hardin, Alexander K <HardinAK2@state.gov>; Wall, Marc M <WallMM@state.gov>; Forbes, James A <ForbesJA@state.gov>; Howard, E. Bruce <HowardEB@state.gov>; Cherry, Ronald C <CherryRC@state.gov>; Duncan, Aleshia D <DuncanAD@state.gov>; Zumwalt, James P <ZumwaltJP@state.gov>; JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>; Fuller, Matthew G <FullerMG@state.gov>; Angelov, Bonnie A <AngelovBA@state.gov>; Basalla, Suzanne I <BasallaSI@state.gov>; Deming, Rust M <DemingRM@state.gov>
Sent: Sat Mar 26 20:24:13 2011
Subject: RE: Chairman Jaczko travel

Josh,

Greetings from Tokyo. Could you please send us the flight information for the chairman and the names of the people in the traveling party?

Thanks,
Mike Daschbach
Embassy Japan Emergency Command Center

This email is UNCLASSIFIED

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

From: Forbes, James A
Sent: Sunday, March 27, 2011 9:08 AM
To: Bare, Robert A; JapanEmbassy, TaskForce; Hardin, Alexander K
Cc: Wert, Robert A
Subject: RE: Chairman Jaczko travel

And the number of people accompanying the chairman?

This email is UNCLASSIFIED

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

From: Bare, Robert A
Sent: Sunday, March 27, 2011 9:07 AM
To: JapanEmbassy, TaskForce; Hardin, Alexander K
Cc: Forbes, James A; Wert, Robert A
Subject: Re: Chairman Jaczko travel

Can the task force find out arrival details? Milair or commair?

Thanks,

Robert

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

From: JapanEmbassy, TaskForce
To: Hardin, Alexander K; Bare, Robert A
Cc: Forbes, James A; Wert, Robert A
Sent: Sat Mar 26 19:58:57 2011
Subject: FW: Chairman Jaczko travel

This email is UNCLASSIFIED-----Original Message-----

From: Horowitz, Paul D
Sent: Sunday, March 27, 2011 8:56 AM
To: JapanEmbassy, TaskForce
Subject: Fw: Chairman Jaczko travel

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

From: Cherry, Ronald C
To: Wall, Marc M; Horowitz, Paul D; Howard, E. Bruce; Duncan, Aleshia D
Sent: Sat Mar 26 19:54:57 2011
Subject: FW: Chairman Jaczko travel

Please note NRC Chairman visit -- could be tomorrow.

SBU

This email is UNCLASSIFIED

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

From: Russel, Daniel R. [mailto:(b)(6)]
Sent: Sunday, March 27, 2011 8:06 AM
To: Cherry, Ronald C; 'Steven.Aoki@nnsa.doe.gov'
Subject: FW: Chairman Jaczko travel

FYI

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

From: Russel, Daniel R.
Sent: Saturday, March 26, 2011 6:44 PM
To: 'Batkin, Joshua'; John V. Roos (roosj@state.gov); James Zumwalt (ZumwaltJP@state.gov); Matthew G Fuller (FullerMG@state.gov); Angelov, Bonnie A; Basalla, Suzanne I
Cc: Jaczko, Gregory; Bader, Jeffrey A.; Rust Deming (demingrm@state.gov); Donovan, Joseph R
Subject: RE: Chairman Jaczko travel

Josh - Adding Embassy Tokyo contacts who can work directly with you. Also adding State Department.

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

From: Batkin, Joshua [mailto:Joshua.Batkin@nrc.gov]
Sent: Saturday, March 26, 2011 6:37 PM
To: Russel, Daniel R.; Bader, Jeffrey A.
Cc: Jaczko, Gregory
Subject: Chairman Jaczko travel

Gentleman - The Chairman is prepared to travel to Japan this weekend. The itinerary that works best is a departure later tonight, arrival in Tokyo in the morning on Monday (japan time) and a departure mid-day on Tuesday (japan time). Please confirm that works for the Embassy and we'll get him there. Thank you, Josh

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Coggins, Angela
Sent: Sunday, March 27, 2011 8:45 AM
To: Batkin, Joshua; Pace, Patti
Subject: Boarded plane

Waiting to take off. Will let you know when we land. Have a good day!

Angela Coggins

Policy Director

Office of Chairman Gregory B Jaczko

US Nuclear Regulatory Commission

angela.coggins@nrc.gov/301-415-1828

From: Kerben, Valerie
Sent: Sunday, March 27, 2011 3:46 PM
To: Pace, Patti
Subject: RE: NRC Chairman visit

Patti,
A separate email and the form 2-5 for USAID will be completed and scanned shortly.
Thanks for your patience.
Valerie

From: Pace, Patti
Sent: Sunday, March 27, 2011 3:44 PM
To: Kerben, Valerie
Subject: RE: NRC Chairman visit

Thank you!

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Kerben, Valerie
Sent: Sunday, March 27, 2011 3:43 PM
To: 'mccormackmc@state.gov'; 'HoofC@state.gov'
Cc: Pace, Patti; Rutz, Wayne
Subject: NRC Chairman visit
Importance: High

To the STATE CSO:
Please accept these clearances via email for the NRC Chairman and his Senior Advisor visiting Japan.

1. Gregory Jaczko

DOB: (b)(6)

SSN: (b)(6)

(b)(6)

2. Angela Coggins

(b)(6)

(b)(6)

(b)(6)

The official letter will be forthcoming tomorrow (Monday morning). If you should need any other information or have questions, feel free to email me and please confirm the receipt of this email.
Thank you,

Valerie B. Kerben
Chief, Personnel Security Branch
Division of Facilities and Security
U.S. Nuclear Regulatory Commission
(office#) 301-492-3527
(fax #) 301-492-3442

~~Note: This e-mail may contain sensitive and/or privileged information. If you are not the intended recipient (or have received this e-mail in error) please notify the sender immediately and destroy this e-mail. Any unauthorized copying, disclosure, or distribution of the material in this e-mail is strictly forbidden. Under the Privacy Act of 1974, all data of a private nature must be protected from unauthorized disclosure.~~

From: Bradford, Anna
Sent: Sunday, March 27, 2011 5:45 PM
To: Batkin, Joshua; Pace, Patti
Subject: Re: NSADs for Chairman and Colleagues

Maybe they just like talking to you in person, so that they can give you hugs and warm smiles of friendship?

From: Batkin, Joshua
To: Pace, Patti; Bradford, Anna
Sent: Sun Mar 27 17:10:53 2011
Subject: Re: NSADs for Chairman and Colleagues

Do you think someone told them it was their obligation to maintain their independence to not to respond to emails from the Chairman's CoS?

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Pace, Patti
To: Batkin, Joshua; Bradford, Anna
Sent: Sun Mar 27 17:00:00 2011
Subject: FW: NSADs for Chairman and Colleagues

Please see message from Annette. Josh – do you think additional follow up is needed?

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Vietti-Cook, Annette
Sent: Sunday, March 27, 2011 4:59 PM
To: Pace, Patti
Subject: Re: NSADs for Chairman and Colleagues

Only gea and wco were going to participate mon wco knows chairman in japan I left message for gea

From: Pace, Patti
To: Vietti-Cook, Annette
Cc: Batkin, Joshua; Bradford, Anna
Sent: Sun Mar 27 15:45:09 2011
Subject: NSADs for Chairman and Colleagues

Dear Annette,

Due to the Chairman's travel, he will not be available to conduct 9:00AM NSADs with his colleagues on Monday March 28th and Tuesday March 29th. Could you please inform the Commission of this change in schedule? He will be available on Wednesday March 30th and Thursday March 31st.

Many thanks!

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Jaczko, Gregory
Sent: Sunday, March 27, 2011 9:41 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: We're here
Attachments: Eric Washburn.vcf

From: Coggins, Angela
Sent: Sunday, March 27, 2011 9:41:05 PM
To: Jaczko, Gregory
Subject: Fw: We're here
Auto forwarded by a Rule

Would you like us to reach out and add him to your itinerary if possible?

Angela Coggins
Policy Director
Office of Chairman Gregory B Jaczko
US Nuclear Regulatory Commission
angela.coggins@nrc.gov/301-415-1828

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

From: Batkin, Joshua
To: Coggins, Angela
Sent: Sun Mar 27 21:39:26 2011
Subject: Re: We're here

Which emails don't look good? See attached info for Eric.

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

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

From: Coggins, Angela
To: Batkin, Joshua
Sent: Sun Mar 27 21:36:23 2011
Subject: Re: We're here

Everyone is doing well. How are things there? The emails don't look good. Can you resend us the contact info from eric washburg (toshiba)?

Angela Coggins
Policy Director
Office of Chairman Gregory B Jaczko
US Nuclear Regulatory Commission
angela.coggins@nrc.gov/301-415-1828

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

From: Batkin, Joshua
To: Coggins, Angela; Pace, Patti
Sent: Sun Mar 27 21:33:19 2011
Subject: Re: We're here

Woo hoo! You guys feeling ok?

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

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

From: Coggins, Angela
To: Batkin, Joshua; Pace, Patti
Sent: Sun Mar 27 21:30:34 2011
Subject: We're here

With john, kirk and matt now. On way to embassy.
Angela Coggins
Policy Director
Office of Chairman Gregory B Jaczko
US Nuclear Regulatory Commission
angela.coggins@nrc.gov/301-415-1828

Attachment Eric Washburn.vcf(228 bytes) cannot be converted to
PDF format.

From: Jaczko, Gregory
Sent: Monday, March 28, 2011 5:00 AM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: My bb no.

From: Coggins, Angela
Sent: Monday, March 28, 2011 5:00:01 AM
To: Jaczko, Gregory
Subject: Re: My bb no.
Auto forwarded by a Rule

Will do.
Angela Coggins
Policy Director
Office of Chairman Gregory B Jaczko
US Nuclear Regulatory Commission
angela.coggins@nrc.gov/301-415-1828

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

From: Jaczko, Gregory
To: Coggins, Angela
Sent: Mon Mar 28 04:58:41 2011
Subject: Re: My bb no.

Thanks. Work with chuck on a few direct points for cards

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

From: Coggins, Angela
To: Jaczko, Gregory
Sent: Mon Mar 28 04:56:47 2011
Subject: My bb no.

(b)(6)

Angela Coggins
Policy Director
Office of Chairman Gregory B Jaczko
US Nuclear Regulatory Commission
angela.coggins@nrc.gov/301-415-1828

From: Herr, Linda
Sent: Monday, March 28, 2011 11:38 AM
To: Gibbs, Catina
Cc: Pace, Patti
Subject: RE: Cancel Periodic for Monday

Thanks Catina. I have the Chairman and Commissioner now scheduled for 3/31 at 4:30pm and have cancelled the April 5th meeting.

Linda

From: Gibbs, Catina
Sent: Monday, March 28, 2011 10:00 AM
To: Herr, Linda
Cc: Pace, Patti
Subject: RE: Cancel Periodic for Monday

Linda, the Chairman is available on Thursday, 3/31 at 4:30-5:15. Will this work for Commissioner Ostendorff?

Thanks.

Catina M. Gibbs
Admin. Assistant to
Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1750 (office)
301-415-3504 (fax)

From: Herr, Linda
Sent: Monday, March 28, 2011 9:43 AM
To: Pace, Patti
Cc: Gibbs, Catina
Subject: RE: Cancel Periodic for Monday

Morning Patti:

I am available to reschedule whenever you have time.

Thanks very much!
Linda

From: Pace, Patti
Sent: Sunday, March 27, 2011 3:00 PM
To: Herr, Linda
Cc: Gibbs, Catina
Subject: Cancel Periodic for Monday

Hi Linda,

We will have to cancel the periodic scheduled for Commissioner Ostendorff and Chairman Jaczko on Monday due to the Chairman's unexpected travel to Japan.

Can we touch base on Monday morning to reschedule for sometime later this week?

Thanks!

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Jaczko, Gregory
Sent: Monday, March 28, 2011 1:44 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Final Chairman Note on Japan Staffing
Attachments: Chairman Note for Japan Staffing.docx

From: Borchardt, Bill
Sent: Monday, March 28, 2011 1:43:30 PM
To: Jaczko, Gregory
Cc: Batkin, Joshua; Virgilio, Martin; Weber, Michael; Ash, Darren; Merzke, Daniel
Subject: FW: Final Chairman Note on Japan Staffing
Auto forwarded by a Rule

Chairman,
Attached is the current draft of a Japan Event Staffing Options note. I will discuss after your return.
Bill

NOTE TO: Chairman Jaczko

FROM: R. W. Borchardt
Executive Director for Operations

SUBJ: STAFFING RECOMMENDATIONS FOR MONITORING POST-EARTHQUAKE
EVENTS IN JAPAN

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

From: Bradford, Anna
Sent: Monday, March 28, 2011 5:12 PM
To: Pace, Patti; Gibbs, Catina
Subject: RE: Assistance while I am out

Patti,

Sorry, Josh asked me to ask you to reschedule the hearing prep for some time on Wednesday instead of Tuesday.

Anna Bradford
Policy Advisor for Nuclear Materials
Office of Chairman Jaczko
U.S. Nuclear Regulatory Commission
301-415-1827

From: Pace, Patti
Sent: Monday, March 28, 2011 5:05 PM
To: Gibbs, Catina
Cc: Bradford, Anna
Subject: Assistance while I am out

Dear Catina,

Here is the list of things I am working on:

Please ask Josh:

Keep Congressional Hearing Prep on Tuesday?

If canceled, please notify, OCA, OPA, OGC, EDO, CFO

Sign Angela's travel paperwork (hard copy in brown folder)

Please ask GBJ:

There is a Deputies Committee Meeting on Wednesday at 8:00AM. Chairman will need to leave at 9:00AM to conduct NSAD with Commissioners while en route to Hill. Would he like the ET director to participate in the Wednesday Deputies Committee meeting by SVTC?

If so, need to notify Teresa Peterson at WH and the HOO and Bern Stapleton at NRC (I copied you on an email to Teresa)

On Thursday, recommend that he conduct 7:15A, 8:30A and 9:00A calls from home before heading to the Hill. Agree?

Please let him know that CBS would like to do interview he agreed to re: YM after hearing, location to be determined. If he does not want to do this, please coordinate with Eliot.

(b)(6)

?

(b)(6)

BB – we will need to switch his blackberry back over to his normal BB since I am sure he will want to go back to his normal BB phone number. But then please alert him (and Nadine) that he will need to switch back on Friday before his trip to Austria since his current Verizon BB model won't work in Austria.

Passport, Credit Card, Calling Card, Dosimeter – Remind him to give them back to you for safe keeping so we can return to him on Friday before his trip to Austria.

FSME Office Director Interviews (hard copy folder) – does he want to try and conduct interviews this week? Would he want Mark Satorius to travel here if it is short notice or maybe do a VTC or phone call?

Ask him if he would like to schedule a call with Dep Sec Poneman to discuss the April 20-22 Chernobyl Commemoration scheduled in the Ukraine (among other topics they may have to discuss). He had said he would like to do that on Friday, before the Japan trip was scheduled.

Please show him the latest draft schedule for his activities at CNS (I emailed to you.) Please ask him if he would like to have dinner with Louis Echavarri on Sunday night after 7:30pm (due to LE time constraints) or would rather have dinner on Monday night. I am concerned Sunday night would be too late since he will be getting in to Austria on Sunday morning after overnight flight.

Miscellaneous:

Phone Call or Meeting with Congressman Darrell Issa – I have a request in to his office. The Chairman would like to talk to him about a recent letter Rep. Issa sent to the Chairman. I will copy you on follow up to his scheduler.

Congressman Frelinghuysen – Have been going back and forth with his office this week. His office has the request at present, not sure if this will resurface this week, heads up that it might.

Please ask Angela if she has a final itinerary for the meetings they conducted while in Japan. I do not have an official agenda for the trip and I would like to create one for our records. Even something with her handwritten notes on it would be good to start with.

Please email and call if anything comes up. Sorry to have to leave like this.

Thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission
301-415-1820 (office)
301-415-3504 (fax)

From: Pace, Patti
Sent: Monday, March 28, 2011 7:07 PM
To: Gibbs, Catina
Subject: Fw: TLD dosimeter form

Could you help Angela? Thanks
Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: Coggins, Angela
To: Pace, Patti
Sent: Mon Mar 28 19:03:53 2011
Subject: Fw: TLD dosimeter form

Can you take care of this for me?
Angela Coggins
Policy Director
Office of Chairman Gregory B Jaczko
US Nuclear Regulatory Commission
angela.coggins@nrc.gov/301-415-1828

From: Hinson, Charles
To: Coggins, Angela
Cc: Roach, Edward
Sent: Mon Mar 28 18:48:21 2011
Subject: TLD dosimeter form

Hi Angela
How was your trip to Japan? I am the Radiation Safety Officer for RSO and was notified by Ed Roach from the Ops Center last Saturday when you needed to get your dosimeter to go to Japan. Apparently, when you filled in the dosimeter authorization form, you forgot to fill in your HRMS number on the form. The HRMS number is the 4 or 5 digit number which appears at the top of the online time sheet form which you use to enter your work hours for each pay period. When you get back in the office, can you please give me a call and I can have you fill in this number on the dosimeter form?

Thanks

Charlie Hinson RSO/NRO
X1845

From: Jaczko, Gregory
Sent: Monday, March 28, 2011 8:49 PM
To: Coggins, Angela; Batkin, Joshua; Pace, Patti
Subject: FW: Written Testimony for Senate Approps Subc on Energy and Water
Attachments: WRITTEN Testimony.SENATE Approps Energy and Wtr.3.30.11 (2) DRAFT.docx

From: Loyd, Susan
Sent: Monday, March 28, 2011 8:48:38 PM
To: Jaczko, Gregory; Coggins, Angela
Subject: Fw: Written Testimony for Senate Approps Subc on Energy and Water
Auto forwarded by a Rule

Attached is written testimony for Wednesday. Sen Feinstein has requested very brief oral testimony as they want a lot of time for questions so I am cutting this down to about five minutes for the oral presentation.
Susan

Sent from an NRC Blackberry
Susan Loyd

(b)(6)

From: Loyd, Susan
To: Powell, Amy; Schmidt, Rebecca
Cc: Batkin, Joshua
Sent: Mon Mar 28 15:30:44 2011
Subject: Written Testimony for Senate Approps Subc on Energy and Water

Amy:
Please read the form of address at the very beginning and also the ending to make sure this is correct. And, I'd really appreciate a careful reading in case I missed anything. Thanks.
S.

Susan K. Loyd
Communications Director
Office of the Chairman
U.S. Nuclear Regulatory Commission
Tele: 301-415-1838
Susan.Loyd@nrc.gov

STATEMENT
BY GREGORY B. JACZKO, CHAIRMAN
UNITED STATES NUCLEAR REGULATORY COMMISSION
TO THE
SENATE APPROPRIATIONS COMMITTEE
SUBCOMMITTEE ON ENERGY AND WATER
MARCH 30, 2011

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

From: Coggins, Angela
Sent: Monday, March 28, 2011 8:57 PM
To: Pace, Patti
Subject: Re: TLD dosimeter form

I think so. Boss did great, as usual.
Angela Coggins
Policy Director
Office of Chairman Gregory B Jaczko
US Nuclear Regulatory Commission
angela.coggins@nrc.gov/301-415-1828

From: Pace, Patti
To: Coggins, Angela
Sent: Mon Mar 28 20:34:09 2011
Subject: Re: TLD dosimeter form

Thanks Angela. Do you think the trip was worth it?
Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

From: Coggins, Angela
To: Pace, Patti
Sent: Mon Mar 28 19:38:00 2011
Subject: Re: TLD dosimeter form

Thanks, Patti. I'm so sorry to bother you about this. Don't even worry about us -

(b)(6)

(b)(6)

Angela Coggins
Policy Director
Office of Chairman Gregory B Jaczko
US Nuclear Regulatory Commission
angela.coggins@nrc.gov/301-415-1828

From: Pace, Patti
To: Coggins, Angela
Sent: Mon Mar 28 19:10:36 2011
Subject: Re: TLD dosimeter form

Catina will. I'm out Tues and Wed for
Patti Pace
U.S. Nuclear Regulatory Commission
(301) 415-1820

(b)(6)

From: Coggins, Angela
To: Pace, Patti
Sent: Mon Mar 28 19:03:53 2011
Subject: Fw: TLD dosimeter form