

**From:** Weinhold, Scott  
**To:** Chang, Benjamin; (b)(6); Dan.Leistikow@hq.doe.gov; Brenner, Eliot; Fuller, Matthew G  
**Cc:** damien.lavera@nnsa.doe.gov; Harrington, Holly (b)(6); Shoemaker, Lori A; Kelley, Karen D (IO/Tokyo); Hammer, Michael A; Toner, Mark C  
**Subject:** Re: INFO REQUEST: WSJ: Japanese Declare Crisis at Level of Chernobyl  
**Date:** Tuesday, April 12, 2011 8:58:00 AM

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(b)(5)

I'll see if I can track that down.

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**From:** Chang, Benjamin  
**To:** (b)(6); 'Dan.Leistikow@hq.doe.gov' <Dan.Leistikow@hq.doe.gov>; 'Eliot.Brenner@nrc.gov' <Eliot.Brenner@nrc.gov>; Fuller, Matthew G  
**Cc:** 'damien.lavera@nnsa.doe.gov' <damien.lavera@nnsa.doe.gov>; 'Holly.Harrington@nrc.gov' <Holly.Harrington@nrc.gov>; (b)(6)  
(b)(6); Shoemaker, Lori A; Kelley, Karen D (IO/Tokyo); Hammer, Michael A; Toner, Mark C; Weinhold, Scott  
**Sent:** Tue Apr 12 08:54:01 2011  
**Subject:** Re: INFO REQUEST: WSJ: Japanese Declare Crisis at Level of Chernobyl

+ Scott

**From:** Jensen, Robert R. [mailto:(b)(6)]  
**Sent:** Tuesday, April 12, 2011 08:47 AM  
**To:** 'Dan.Leistikow@hq.doe.gov' <Dan.Leistikow@hq.doe.gov>; 'Eliot.Brenner@nrc.gov' <Eliot.Brenner@nrc.gov>; Fuller, Matthew G  
**Cc:** 'Damien LaVera (Damien.LaVera@nnsa.doe.gov)' <Damien.LaVera@nnsa.doe.gov>; 'Holly.Harrington@nrc.gov' <Holly.Harrington@nrc.gov>; Shapiro, Nicholas S. (b)(6); Shoemaker, Lori A; Kelley, Karen D (IO/Tokyo); Hammer, Michael A; Toner, Mark C; Chang, Benjamin  
**Subject:** INFO REQUEST: WSJ: Japanese Declare Crisis at Level of Chernobyl

(b)(5)

AM/100

(b)(5)

Many thanks for your input on this.

Bob Jensen

NSC Press

(b)(6)

[http://online.wsj.com/article/SB10001424052748703841904576256742249147126.html?mod=WSJ\\_hp\\_LEFTTopStories](http://online.wsj.com/article/SB10001424052748703841904576256742249147126.html?mod=WSJ_hp_LEFTTopStories)

APRIL 12, 2011. Japanese Declare Crisis at Level of Chernobyl

By PHRED DVORAK, JURO OSAWA and YUKA HAYASHI

TOKYO—The Japanese government raised its assessment of the monthlong crisis at its Fukushima Daiichi nuclear power plant to the highest severity level by international standards—a rating only conferred so far upon the Chernobyl accident.

The Japanese government said the monthlong crisis at its Fukushima Daiichi nuclear power plant is on par with Chernobyl in terms of severity. WSJ's Mariko Sanchanta and Yumiko Ono discuss the public's reaction to the news.

Japan's nuclear regulators said the plant has likely released so much radiation into the environment that it must boost the accident's severity rating on the International Nuclear Event scale to a 7 from 5 currently. That is the same level reached by the Chernobyl nuclear disaster in the former Soviet Union, which struck almost exactly 25 years ago, on April 26, 1986.

"Based on the cumulative data we've gathered, we can finally give an estimate of total radioactive materials emitted," Hidehiko Nishiyama, spokesman for Japan's Nuclear and Industrial Safety Agency, said at a press conference Tuesday.

Even as they upgraded their assessment of the situation, Japanese officials went to lengths to say that the problem they are struggling to contain isn't anywhere near the disaster of Chernobyl.

"It is quite different from Chernobyl," said Mr. Nishiyama. "First, the amount of released radiation is about a tenth of Chernobyl," he said, adding that while there were 29 deaths resulting from short-term exposure to high doses of radiation at Chernobyl, there were no such deaths at Fukushima.

At Chernobyl, the nuclear reactor itself exploded," he said, adding that at the Fukushima plant, the pressure vessel and the containment vessel were largely intact.

Still, Fukushima Daiichi operator Tokyo Electric Power Co. warned Tuesday that since the

Fukushima Daiichi plant is still releasing radioactive materials, the total level of radiation released could eventually exceed that of Chernobyl, a spokesman said.

The new assessment comes as Japan admits that the effects of the Fukushima Daiichi nuclear accident—which has already caused the evacuation of tens of thousands of people and spread radiation through groundwater and farms over a broad section of eastern Japan—are likely to be long-lasting and grave. The accident was precipitated by the massive March 11 earthquake and tsunami, which knocked out Fukushima Daiichi's power and cooling systems, causing several of the reactors to overheat.

The International Nuclear Event scale, whose development is coordinated by the International Atomic Energy Agency, measures the severity of accidents based on how much radiation is released, the degree of damage to the nuclear cores and how widespread and long-lasting the effects are likely to be.

Level 5—the previous level given the Fukushima Daiichi accident—indicates a "limited release" of radioactive materials requiring "some planned countermeasures." The 1978 Three Mile Island accident in Pennsylvania was rated a 5.

Level 7 labels this "a major accident," the most serious on the international scale. It means high levels of radiation have been released, and that the amount of time needed to bring the plant under control will require an extended period. But not all "major accidents" are equal in severity.

The decision to upgrade formally the severity of the accident came a day after Japan broadened the 12-mile nuclear evacuation zone around the plant to include all or part of five towns and villages that housed tens of thousands of people before the disaster, a sign that officials now see the long-term risks as far higher than originally estimated.

And the crisis appears far from over, with constant reminders that efforts to bring the crippled reactors under control are far from complete. Operator Tepco scrambled to keep reactors stable in the wake of another big earthquake Monday and a battery fire Tuesday morning, signs of how vulnerable the plant remains a month after the quake.

Experts have predicted it could take months for Tepco to bring Fukushima Daiichi's reactors truly under control, and years to clean up the plant itself.

Japanese nuclear regulators determined that after the accident, the plant has likely released tens of thousands of terabecquerels—or a mind-boggling tens of thousands of trillions of becquerels—of radiation in the immediate area. That's a level that's been recorded only during the Chernobyl accident.

While the new assessment puts Fukushima on a par with Chernobyl, there are key differences between the two, suggesting the Ukraine disaster was still far more serious.

In the case of Chernobyl, a graphite fire burned uncontrolled for days, spewing out radioactive

smoke that spread around the world. Fukushima, unlike Chernobyl, has a containment structure, which, even if damaged, has meant that the Japanese accident has shown "much, much, much lower" traces of far-flung radiation, Wolfgang Weiss, chair of the United Nations Scientific Committee on the Effects of Atomic Radiation, said in Vienna last week.

The release from Fukushima of tens of thousands of terabecquerels of iodine-131, while huge, appears to be smaller than the 5.2 million terabecquerels released from Chernobyl. Japanese government officials said the radiation release was between 370,000 and 630,000 terabecquerels so far from Fukushima. The permissible level of iodine-131 for vegetables and fish is 2,000 becquerels per kilogram, or just a tiny fraction of what has been released.

A 2005 United Nations study said up to 4,000 people could eventually die from radiation exposure to Chernobyl.

In Japan, so far, a handful of workers have been hospitalized, but they were released a few days later, and regulators said they showed no signs of lasting injury.

There are, however, regular reports in the Japanese press of elevated radiation exposure for the workers trying to contain Fukushima, and it could be months, or years, before the real impact is known. The same is true for the population in and around the plant.

Officials said they expanded the original evacuation zone because the accident had lasted longer than expected.

"Japan has been doing drills for possible nuclear accidents, but they assumed that the accidents would be resolved in about 10 days," said Mr. Nishiyama, the spokesman. "We are now dealing with a crisis of a historic proportion. This has necessitated different kinds of responses than initially planned."

Even in announcing the expanded evacuation zone, Japanese officials said residents of the affected areas weren't in danger of surpassing government exposure limits anytime soon and that they have about a month to move.

Testing by Japanese, U.S. and IAEA officials shows that the radioactive contamination is spreading unevenly from the plant, creating what are known as hot spots due to wind, topography and other natural conditions that show a higher density of radioactive material compared with some areas closer to the plant.

The move will present major logistical hurdles for communities already battered by the March 11 earthquake and tsunami that damaged the plant as well as much of the surrounding countryside. The area includes towns and villages with a population totaling about 115,000 people before the crisis, though the number of people affected is likely to be far less because the government's order applies only to particular hot spots believed to have higher radiation levels, not a set radius from the plant.

Meanwhile, efforts to stabilize reactors at Fukushima Daiichi continue to be dogged by setbacks and scares, in a sign of how fragile the situation on the ground remains. On Tuesday morning, Tepco said there was a small fire at a battery unit outside reactor No. 4, which was put out shortly after being reported.

On Monday, a 7.1 magnitude quake centered in coastal Fukushima temporarily shut down power supply and makeshift cooling systems to three reactors at the plant, causing the evacuation of workers to the compound's command center. The systems remained down for nearly an hour while the evacuation remained in effect, keeping workers from switching to emergency power generators.

Tepco said the suspension didn't appear to have caused significant safety issues. But the scramble to restore power served as a reminder of how aftershocks and the risk of tsunami could upset the delicate efforts to stabilize the problems at the plant.

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**From:** Weber, Michael  
**Sent:** Wednesday, April 13, 2011 7:42 AM  
**To:** Dyer, Jim  
**Cc:** ET01 Hoc; ET05 Hoc; OST02 HOC; FOIA Response.hoc Resource  
**Subject:** FYI - Consensus view on risks to people living in the Tokyo area

More on the document generated by OSTP.

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**From:** Lyons, Peter [mailto:Peter.Lyons@Nuclear.Energy.gov]  
**Sent:** Tuesday, April 12, 2011 9:07 PM  
**To:** 'Holdren, John P.'; Steve Fetter; Trautman, Stephen J SES CIV NAVSEA 08 NR; Aoki, Steven; Kelly, John E (NE); Sheron, Brian  
**Cc:** Russel, Daniel R.; Zerr, Thomas J.; Reed, Richard A.; Bader, Jeffrey A.  
**Subject:** RE: Consensus view on risks to people living in the Tokyo area

I'm comfortable with the logic and writing. nice catch from John Holdren.

(b)(5)

Pete Lyons

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**From:** Holdren, John P. [mailto:(b)(6)]  
**Sent:** Tuesday, April 12, 2011 8:23 PM  
**To:** Steve Fetter; Trautman, Stephen J SES CIV NAVSEA 08 NR; Aoki, Steven; Lyons, Peter; Kelly, John E (NE); Sheron, Brian  
**Cc:** Russel, Daniel R.; Zerr, Thomas J.; Reed, Richard A.; Bader, Jeffrey A.  
**Subject:** RE: Consensus view on risks to people living in the Tokyo area

(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)

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**From:** Fetter, Steve  
**Sent:** Tuesday, April 12, 2011 7:58 PM  
**To:** Trautman, Stephen J SES CIV NAVSEA 08 NR; Aoki, Steven; Lyons, Peter; Kelly, John E (NE); Brian.sheron@nrc.gov  
**Cc:** Russel, Daniel R.; Zerr, Thomas J.; Reed, Richard A.; Bader, Jeffrey A.; Holdren, John P.  
**Subject:** Consensus view on risks to people living in the Tokyo area  
**Importance:** High

Gentleman,

Following today's IPC, Richard Reed asked me to draft a statement for concurrence by DOE, NRC, NR, and OSTP, giving our consensus view of the current risk of harmful exposures to people living in the Tokyo area, in support of a decision to lift the voluntary departure order. Below is my attempt to summarize what I have learned from you and your organizations about this. Please let me know if you disagree with the overall judgment expressed here, and please provide line-in-line-out edits **no later than 2 pm tomorrow**. Please forward this email to anyone I may have forgotten who should be involved in this judgment.

--Steve

(b)(5)

(b)(5)



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**From:** Dyer, Jim  
**Sent:** Wednesday, April 13, 2011 11:39 AM  
**To:** Weber, Michael; Sheron, Brian  
**Cc:** Virgilio, Martin; ET01 Hoc; PMT01 Hoc; Wiggins, Jim; Casto, Chuck; Collins, Elmo; Reynolds, Steven  
**Subject:** RE: RESPONSE - Consensus view on risks to people living in the Tokyo area

Yes we have it for action. I gave the staff a heads up that a tasking was coming based on the discussion last night. The OSTP drafted the talking paper for a starter ad we'll comment by 2 pm. jim

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**From:** Weber, Michael  
**Sent:** Wednesday, April 13, 2011 7:38 AM  
**To:** Sheron, Brian; Dyer, Jim  
**Cc:** Virgilio, Martin; ET01 Hoc; PMT01 Hoc; Wiggins, Jim; Casto, Chuck; Collins, Elmo; Reynolds, Steven  
**Subject:** RESPONSE - Consensus view on risks to people living in the Tokyo area

Yes, Brian. The technical consortium is still working. Jim Dyer attended the IPC for the NRC. I am somewhat surprised that OSTP was asked to draft the statement. As you are probably aware, there are a number of products that the Ops Center has been working to consolidate and integrate which would accomplish the same objective. You should not be the point person on this. Requests like this should be referred to the ET Director in the Ops Center. Jim Dyer is serving in this capacity during today's day shift.

Jim, were you aware of this request?

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**From:** Sheron, Brian  
**Sent:** Wednesday, April 13, 2011 7:21 AM  
**To:** Weber, Michael; Virgilio, Martin; ET01 Hoc; PMT01 Hoc; Wiggins, Jim  
**Subject:** FW: Consensus view on risks to people living in the Tokyo area  
**Importance:** High

See below. Is the consortium still in effect? Shouldn't this come through the consortium? I don't believe I should be the agency point person for stuff like this.

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**From:** Fetter, Steve [mailto: (b)(6)]  
**Sent:** Tuesday, April 12, 2011 7:58 PM  
**To:** Trautman, Stephen J SES CIV NAVSEA 08 NR; Aoki, Steven; Lyons, Peter; Kelly, John E (NE); Sheron, Brian  
**Cc:** Russel, Daniel R.; Zerr, Thomas J.; Reed, Richard A.; Bader, Jeffrey A.; Holdren, John P.  
**Subject:** Consensus view on risks to people living in the Tokyo area  
**Importance:** High

Gentleman,

Following today's IPC, Richard Reed asked me to draft a statement for concurrence by DOE, NRC, NR, and OSTP, giving our consensus view of the current risk of harmful exposures to people living in the Tokyo area, in support of a decision to lift the voluntary departure order. Below is my attempt to summarize what I have learned from you and your organizations about this. Please let me know if you disagree with the overall judgment

expressed here, and please provide line-in-line-out edits **no later than 2 pm tomorrow**. Please forward this email to anyone I may have forgotten who should be involved in this judgment.

--Steve

(b)(5)

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**From:** Dyer, Jim  
**Sent:** Wednesday, April 13, 2011 12:53 PM  
**To:** Fetter, Steve; Trautman, Stephen J SES CIV NAVSEA 08 NR  
**Cc:** Weber, Michael; Virgilio, Martin; OST01 HOC  
**Subject:** RE: Consensus view on risks to people living in the Tokyo area  
**Attachments:** FW: Consensus view on risks to people living in the Tokyo area

Steve,

Thanks for putting the thoughts together and providing for our review. NRC supports the conclusions of the paper and agrees with the edits provided by Naval Reactors.

Jim Dyer  
NRC ET Director  
Day Shift  
4/13/2011

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**From:** Fetter, Steve [mailto: (b)(6)]  
**Sent:** Wednesday, April 13, 2011 8:10 AM  
**To:** Dyer, Jim; Trautman, Stephen J SES CIV NAVSEA 08 NR  
**Cc:** Weber, Michael; Virgilio, Martin  
**Subject:** RE: Consensus view on risks to people living in the Tokyo area

(b)(5)

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**From:** Sheron, Brian [mailto:Brian.Sheron@nrc.gov]  
**Sent:** Wednesday, April 13, 2011 7:49 AM  
**To:** Fetter, Steve  
**Cc:** Dyer, Jim; Weber, Michael; Virgilio, Martin  
**Subject:** RE: Consensus view on risks to people living in the Tokyo area

Steve, following the Japanese earthquake, the various government agencies that were monitoring and responding formed a consortium. The purpose of the consortium was to vet recommendations and statements (such as the one you drafted) among the various consortium participants to assure that the U.S. was speaking with one voice.

As such, your draft statement should not be sent to me, but rather to the NRC's Incident Response Center (IRC) Executive Team Director. Jim Dyer is currently the IRC Executive Director, and I'm forwarding your request to Jim for action. Jim's e-mail is [Jim.dyer@nrc.gov](mailto:Jim.dyer@nrc.gov).

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**From:** Fetter, Steve [mailto: (b)(6)]  
**Sent:** Tuesday, April 12, 2011 7:58 PM  
**To:** Trautman, Stephen J SES CIV NAVSEA 08 NR; Aoki, Steven; Lyons, Peter; Kelly, John E (NE); Sheron, Brian  
**Cc:** Russel, Daniel R.; Zerr, Thomas J.; Reed, Richard A.; Bader, Jeffrey A.; Holdren, John P.  
**Subject:** Consensus view on risks to people living in the Tokyo area  
**Importance:** High

Thank you very much for your nominees to support Japan. I have tried not to impact any one office too much but I think these folks will be a great support for Chuck and Steve in Japan.

Francis (Skip) Young  
Hironori Peterson  
Mark Miller  
Robert Temps  
Richard Plasse  
Scott Freeman  
Jim Lynch  
Matthew Mitchell

Either Steve Bloom or Jen Schwartzman in OIP will be in touch with the travelers. We're planning on them leaving around the 28<sup>th</sup> or 29<sup>th</sup> of April.

Thanks again,

Trish

Patricia K. Holahan  
Director, Division of Security Operations  
Office of Nuclear Security and Incident Response  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

(301) 415-6828 (work)

(b)(6) (cell)

[patricia.holahan@nrc.gov](mailto:patricia.holahan@nrc.gov)

Gentleman,

Following today's IPC, Richard Reed asked me to draft a statement for concurrence by DOE, NRC, NR, and OSTP, giving our consensus view of the current risk of harmful exposures to people living in the Tokyo area, in support of a decision to lift the voluntary departure order. Below is my attempt to summarize what I have learned from you and your organizations about this. Please let me know if you disagree with the overall judgment expressed here, and please provide line-in-line-out edits **no later than 2 pm tomorrow**. Please forward this email to anyone I may have forgotten who should be involved in this judgment.

--Steve

(b)(5)

(b)(5)

**Lee, Richard**

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**From:** Salay, Michael  
**Sent:** Wednesday, April 13, 2011 4:57 PM  
**To:** Lee, Richard; Gauntt, Randy; Esmaili, Hossein; Powers, Dana A  
**Subject:** RE: Unit 4 pool--why is the water level so low?

TEPCO had been interpreting a rise in the fuel pool skimmer surge tank level as an indicator that the pool was full. Others had attributed the surge tank filling to "sloppy spray". They stopped adding water on this indication. Based on drawings, this tank seems to only level switches -- a few discrete level covered or not indicators. It seems that, to get indication, they would have to wait for pipe leakage to reduce tank level before it could be used as an indication.

-Mike

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**From:** Lee, Richard  
**Sent:** Wednesday, April 13, 2011 4:40 PM  
**To:** Gauntt, Randy; Esmaili, Hossein; Salay, Michael; Powers, Dana A  
**Subject:** FW: Unit 4 pool--why is the water level so low?

fyi

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**From:** Fetter, Steve [mailto:(b)(6)]  
**Sent:** Wednesday, April 13, 2011 4:23 PM  
**To:** DL-NITSolutions  
**Subject:** Unit 4 pool--why is the water level so low?

According to the news report:

The Tokyo Electric Power Company, or TEPCO, says the water temperature in the spent fuel storage pool at the No. 4 reactor in the crippled Fukushima nuclear plant has risen to about 90 degrees Celsius....TEPCO took the temperature on Tuesday using an extending arm on a special vehicle...To cool the fuel, TEPCO sprayed 195 tons of water for 6 hours on Wednesday morning...The company thinks the pool's water level was about 5 meters lower than normal, but 2 meters above the fuel rods...TEPCO believes the water level is likely to rise by about one meter after the water spraying on Wednesday...TEPCO says high levels of radiation at 84 millisieverts per hour were detected above the water surface, where radiation is rarely detected.

(b)(5)

(b)(5)

**From:** Kelly, John E (NE) [<mailto:JohnE.Kelly@Nuclear.Energy.Gov>]

**Sent:** Wednesday, April 13, 2011 11:18 AM

**To:** Lyons, Peter; Holdren, John P.; Fetter, Steve; Trautman, Stephen J SES CIV NAVSEA 08 NR; Aoki, Steven; Sheron, Brian

**Cc:** Russel, Daniel R.; Zerr, Thomas J.; Reed, Richard A.; Bader, Jeffrey A.

**Subject:** RE: Consensus view on risks to people living in the Tokyo area

btw – reports from TEPCO indicate that pool # 4 temperature has increased to 90C and high radiation levels were detected above the pool

[http://www3.nhk.or.jp/daily/english/13\\_35.html](http://www3.nhk.or.jp/daily/english/13_35.html)



**Lee, Richard**

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**From:** Powers, Dana A [dapower@sandia.gov]  
**Sent:** Wednesday, April 13, 2011 4:53 PM  
**To:** Lee, Richard; Gauntt, Randall O; Esmaili, Hossein; Salay, Michael  
**Subject:** RE: Unit 4 pool--why is the water level so low?

(b)(5)

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**From:** Lee, Richard [mailto:Richard.Lee@nrc.gov]  
**Sent:** Wednesday, April 13, 2011 2:40 PM  
**To:** Gauntt, Randall O; Esmaili, Hossein; Salay, Michael; Powers, Dana A  
**Subject:** FW: Unit 4 pool--why is the water level so low?

fyi

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**From:** Fetter, Steve [mailto: ] (b)(6)  
**Sent:** Wednesday, April 13, 2011 4:23 PM  
**To:** DL-NITsolutions  
**Subject:** Unit 4 pool--why is the water level so low?

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(b)(5)

(b)(5)

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**Sent:** Wednesday, April 13, 2011 11:18 AM

**To:** Lyons, Peter; Holdren, John P.; Fetter, Steve; Trautman, Stephen J SES CIV NAVSEA 08 NR; Aoki, Steven; Sheron, Brian

**Cc:** Russel, Daniel R.; Zerr, Thomas J.; Reed, Richard A.; Bader, Jeffrey A.

**Subject:** RE: Consensus view on risks to people living in the Tokyo area

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[http://www3.nhk.or.jp/daily/english/13\\_35.html](http://www3.nhk.or.jp/daily/english/13_35.html)

## Hiland, Patrick

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**From:** Boger, Bruce  
**Sent:** Wednesday, April 13, 2011 9:19 PM  
**To:** Sheron, Brian  
**Cc:** Johnson, Michael; Zimmerman, Roy; Casto, Chuck; RST01 Hoc; Hiland, Patrick  
**Subject:** RE: Unit 4 pool--why is the water level so low?

Brian, We shared this with the site team this evening. They have gone through a similar thought process and are assessing this information along with other information to formulate their views on the level in that pool. Thanks for getting us the expressed concern. Bruce

**From:** Sheron, Brian  
**Sent:** Wednesday, April 13, 2011 4:36 PM  
**To:** Boger, Bruce  
**Subject:** FW: Unit 4 pool--why is the water level so low?

FYI.

**From:** Fetter, Steve [mailto:[\(b\)\(6\)](#)]  
**Sent:** Wednesday, April 13, 2011 4:23 PM  
**To:** DL-NITSolutions  
**Subject:** Unit 4 pool--why is the water level so low?

According to the news report:

The Tokyo Electric Power Company, or TEPCO, says the water temperature in the spent fuel storage pool at the No. 4 reactor in the crippled Fukushima nuclear plant has risen to about 90 degrees Celsius....TEPCO took the temperature on Tuesday using an extending arm on a special vehicle...To cool the fuel, TEPCO sprayed 195 tons of water for 6 hours on Wednesday morning...The company thinks the pool's water level was about 5 meters lower than normal, but 2 meters above the fuel rods...TEPCO believes the water level is likely to rise by about one meter after the water spraying on Wednesday...TEPCO says high levels of radiation at 84 millisieverts per hour were detected above the water surface, where radiation is rarely detected.

(b)(5)

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**From:** Kelly, John E (NE) [mailto:JohnE.Kelly@Nuclear.Energy.Gov]

**Sent:** Wednesday, April 13, 2011 11:18 AM

**To:** Lyons, Peter; Holdren, John P.; Fetter, Steve; Trautman, Stephen J SES CIV NAVSEA 08 NR; Aoki, Steven; Sheron, Brian

**Cc:** Russel, Daniel R.; Zerr, Thomas J.; Reed, Richard A.; Bader, Jeffrey A.

**Subject:** RE: Consensus view on risks to people living in the Tokyo area

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[http://www3.nhk.or.jp/daily/english/13\\_35.html](http://www3.nhk.or.jp/daily/english/13_35.html)

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**From:** Wiggins, Jim  
**Sent:** Thursday, April 14, 2011 5:54 PM  
**To:** OST01 HOC  
**Subject:** RE: Summary of Conclusions for 12 April Japan IPC

thx

**From:** OST01 HOC  
**Sent:** Thursday, April 14, 2011 5:48 PM  
**To:** Wiggins, Jim  
**Subject:** RE: Summary of Conclusions for 12 April Japan IPC

done

**From:** Wiggins, Jim  
**Sent:** Thursday, April 14, 2011 5:34 PM  
**To:** OST01 HOC  
**Subject:** FW: Summary of Conclusions for 12 April Japan IPC

For distribution to the ET Director

**From:** Landau, Zachary L. [mailto:(b)(6)]  
**Sent:** Thursday, April 14, 2011 11:43 AM  
**To:** Reed, Richard A.; Russel, Daniel R.  
**Cc:** Landau, Zachary L.; Tribble, Ahsha  
**Subject:** Summary of Conclusions for 12 April Japan IPC

Good Morning,

The summary of conclusions for Tuesday's Japan IPC is attached. Please contact Ahsha Tribble (cc'd at (b)(6)) if you have any questions.

Respectfully,  
Zach

Zach Landau  
Resilience Directorate  
National Security Staff

(o) (b)(6)  
(c)

AM/107

Summary of Conclusions for  
Japan Earthquake IPC SVTC

DATE: April 12, 2011  
LOCATION: Via Secure Video Teleconference  
TIME: 4:30 - 5:30 p.m.

**Participants:** State (Emb. Tokyo, USAID) DOD (OSD, JCS, USPACOM), DOJ, OVP, NRC, HHS (FDA, CDC), DOT, DOE, VA, DOI, Commerce (NOAA), DHS (FEMA), ODNI, EPA, OSTP, USDA, USPS, NSS, OMB, USPS.

It was agreed that:

- OMB will provide resource management courses of action recommendations for future requests from Japan to NSS and Embassy Tokyo for the Japanese budget supplemental. **(Action: OMB by April 15, 2011)**
- State will send the final hypothetical Warden Messages to DOD. **(ACTION: State by April 13, 2011)**
- NOAA and OSTP will prepare the initial ocean plume model results as soon as possible to inform possible EPA deployment of ocean radiation monitoring equipment. Embassy Tokyo will forward information to NSS on available Japanese data and data sources on maritime radiological contamination **(Action: NOAA, OSTP, and Embassy Tokyo by April 15, 2011)**
- NOAA will work with Embassy Tokyo to offer assistance to Japan on potential temporary closures of fisheries. **(Action: NOAA by April 15, 2011)**
- Any requests for assistance received directly from Japan should be re-routed to the Embassy Tokyo for coordination and adjudication and cc State's Japan desk. **(ACTION: All by April 13, 2011)**
- OSTP will lead a technical group to analyze the current conditions in Japan and develop revised voluntary departure recommendations for State. **(ACTION: OSTP by April 15, 2011)**
- The Japan operations report structure is currently:
  - o DOE/NITOPS: 1 report/day at 0600
  - o NRC: 1 report/day at 1200
  - o USAID: 2 reports/week
  - o OSD: 1 report/day at 0500

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**From:** OST01 HOC  
**Sent:** Tuesday, April 19, 2011 10:59 AM  
**To:** Hoc, PMT12; LIA08 Hoc  
**Cc:** Zimmerman, Roy  
**Subject:** RE: 12:30 NTAG Teleconference

Changed and revised version uploaded to WebEoc.

Thanks!

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

From: Hoc, PMT12  
Sent: Tuesday, April 19, 2011 10:55 AM  
To: LIA08 Hoc; OST01 HOC  
Cc: Zimmerman, Roy  
Subject: FW: 12:30 NTAG Teleconference

The reoccurring Daily Actions and Calls table needs updating....

The 12:30 NTAG teleconference has been rescheduled to occur only as occasions warrant.

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

From: Bentz, Julie A. [mailto:(b)(6)]  
Sent: Tuesday, April 19, 2011 10:45 AM  
To: Hoc, PMT12  
Cc: LIA08 Hoc; OST01 HOC; Szymanski, John  
Subject: RE: 12:30 NTAG Teleconference

Kimberly,

Our last NTAG teleconference was two weeks ago. The NTAG phone calls will occur only as occasions warrant. Ongoing activities include ocean modeling (led by OSTP and NOAA) and seafood contamination (health impact working group) efforts. OSTP is also leading permanent return efforts that I'm sure you're heavily involved with (I've cc'd John Szymanski (OSTP) who is the POC for this).

Thanks!

Julie Bentz

(b)(6)

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

From: Hoc, PMT12 [mailto:PMT12.Hoc@nrc.gov]  
Sent: Monday, April 18, 2011 2:46 PM  
To: Bentz, Julie A. *Jul*  
Cc: LIA08 Hoc; OST01 HOC  
Subject: 12:30 NTAG Teleconference

Julie,

*AH/108*

I was expecting to receive an email with agenda, telephone number, and pass code for the 12:30 NTAG teleconference, but it didn't come in. Has the schedule for this daily meeting been changed?

Thank you.

Kimberly Gambone  
PMT12  
Operations Center  
U.S. Nuclear Regulatory Commission



Lee, Richard

---

**From:** Richard L Garwin [rlg2@us.ibm.com]  
**Sent:** Wednesday, April 20, 2011 6:13 PM  
**To:** Larzelere, Alex  
**Cc:** Caponiti, Alice; Busby, Jeremy T; Peko, Damian; DL-NITsolutions; Burns, Douglas; Shields, Martha  
**Subject:** Decay heat vs. time. Why not minus one-fifth power?  
**Attachments:** ATT00001..gif; ATT00002..gif

Dear Colleagues,

Here is what I sent around on March 14. The most relevant segment is  
Decay heat after shutdown:

from <http://www.nuceng.ca/papers/decayhe1b.pdf>

$$\frac{P}{P_0} = 0.066 \left[ \tau_{\text{elapsed}}^{-0.2} - (\tau_s + \tau_{\text{elapsed}})^{-0.2} \right] \quad (5)$$

Where  $P_0$  is steady reactor (thermal) power;  $\tau_{\text{elapsed}}$  is time after shutdown (seconds); and  $\tau_s$  is time of shutdown (i.e. total reactor up-time at power  $P_0$ )

This fit is good from  $10\text{s} < \tau_{\text{elapsed}} < 9 \times 10^6 \text{ s}$  (100 days).

There is more of interest in what follows, but the minus one-fifth power seems firm. ORIGIN should reproduce that.

Dick Garwin

----- Forwarded by Richard L Garwin/Watson/Contr/IBM on 04/20/2011 06:07 PM -----

**From:** Richard L Garwin/Watson/Contr/IBM  
**To:** SCHU <SCHU@hq.doe.gov>  
**Cc:** (b)(6), "Grossenbacher, John (INL)" <john.grossenbacher@inl.gov>, NITOPS <NITOPS@nnsa.doe.gov>, "peterson@nuc.berkeley.edu" <peterson@nuc.berkeley.edu>, "Lyons, Peter" <Peter.Lyons@Nuclear.Energy.gov>, "Phillip.Finck@inl.gov" <Phillip.Finck@inl.gov>, (b)(6), "RJBudnitz@lbl.gov" <RJBudnitz@lbl.gov>, "Aoki, Steven" <Steven.Aoki@nnsa.doe.gov>, (b)(6)  
**Date:** 03/14/2011 05:13 PM  
**Subject:** Re: Japan nuclear assistance. Decay heat disposal via seawater cooling, or seawater flashed to steam. (USG version)

Dear Steven Chu,

I have been involved, with John Holdren, and hope that I can be of some help. I see Phil Finck, Pete Lyons, and Per Peterson on this list, with whom I have not been in touch on this subject.

So perhaps the following will be of some interest.

Dick Garwin

\*\*\*\*\*

----- Forwarded by Richard L Garwin/Watson/Contr/IBM on 03/14/2011 05:07 PM -----

**From:** Richard L Garwin/Watson/Contr/IBM  
**To:** "Fetter, Steve" (b)(6)

AW/109

Cc: "Holdren, John P." <(b)(6)>, Bob Budnitz <(b)(6)>  
Date: 03/14/2011 05:06 PM  
Subject: RE: Decay heat disposal via seawater cooling, or seawater flashed to steam.

---

Steve, if 1600 tons of water enter the reactor vessel and the water leaves as steam, some  $1600 \times 3.5\% = 56$  tons of salt remain in the reactor vessel.

Bob, can INEL estimate what happens as a result?

Dick Garwin

From: "Fetter, Steve" <(b)(6)>  
To: Richard L. Garwin/Watson/Contr/IBM@IBMUS  
Cc: "Holdren, John P." <(b)(6)>, Bob Budnitz <(b)(6)>  
Date: 03/14/2011 04:56 PM  
Subject: RE: Decay heat disposal via seawater cooling, or seawater flashed to steam.

---

A refinement and an additional piece of information:

Seawater reportedly was injected into Unit 1 at a rate of 20 tons per hour beginning 30 hours after shutdown; integrating from 30 hours to 1 week gives 2700 s, or 4100 GJ. This would turn 1600 tons of water to steam, or an average of 12 tons per hour. Seawater is reportedly being injected into the core at a rate of up to 20 tons per hour. They have been unable to maintain this rate, however, due to high pressure in the reactor vessel. If the vessel is full, they presumably cut back on the flow rate so that inflow is balanced by steam outflow. The only outflow from the reactor is steam.

**From:** Richard L. Garwin [mailto:rlg2@us.ibm.com]  
**Sent:** Monday, March 14, 2011 4:18 PM  
**To:** Fetter, Steve  
**Cc:** Holdren, John P.; Bob Budnitz  
**Subject:** Decay heat disposal via seawater cooling, or seawater flashed to steam.

Decay heat after shutdown:

from <http://www.nuceng.ca/papers/decayhe1b.pdf>

$$\frac{P}{P_0} = 0.066 \left[ \tau_{\text{elapsed}}^{-0.2} - (\tau_s + \tau_{\text{elapsed}})^{-0.2} \right] \quad (5)$$

Where  $P_0$  is steady reactor (thermal) power;  $\tau_{\text{elapsed}}$  is time after shutdown (seconds); and  $\tau_s$  is time of shutdown (i.e. total reactor up-time at power  $P_0$ )

This fit is good from  $10\text{s} < \text{Telapsed} < 9 \times 10^6 \text{ s}$  (100 days). and one might want to calculate total decay heat from  $\text{Telapse} = 0$  to  $\text{Telapse} = 7$  days.(one week).

Taking only the first term and integrating from shutdown to  $7 \times 86400 \text{ s}$ , we have

$E/P_0 = 0.082 \text{ Tel}^{0.8}$ , where  $\text{Tel}$  is  $6.048 \times 10^4 \text{ s}$  and the 0.8 power is 42197. So  $E/P_0 = 3460\text{s}$ . Decay heat to 7 days is just about one hour of full-power output.

One metric ton of water with 80 dec C temperature rise absorbs latent heat of  $80 \times 4.186 \times 10^6 = 0.335 \text{ GJ}$ . If it is converted to steam it absorbs  $540 \times 4.186 \times 10^6 = 2.26 \text{ GJ}$  additional.

A 460 MWe BWR at 30% efficiency produces 1530 MW(t).. The decay heat to 7 days thus amounts to  $1530 \text{ MW(t)} \times 3460 \text{ s} = 5290 \text{ GJ}$ .

If seawater is flashed to steam at  $(2.26 + 0.34) = 2.6 \text{ GJ/ton}$ , this would require  $5290 \text{ GJ}/(2.6 \text{ GJ/ton}) = 2034$  tons of seawater; if seawater is discarded only with latent heat, the mass of seawater would be  $5290 \text{ GJ}/(0.335 \text{ GJ/ton}) = 15,800$  tons.

Flashing to steam is clearly better, and retains the solid radioactive material (as well as the 3.5% of the seawater that is salt.) This would amount to  $0.035 \times 2034 = 71$  tons of salt.

Dick Garwin

**Lee, Richard**

---

**From:** Salay, Michael  
**Sent:** Wednesday, April 20, 2011 6:42 PM  
**To:** Gauntt, Randall O; Lee, Richard; Esmaili, Hossein; (b)(6)  
**Subject:** RE: High concentration of Cs-137 found in Unit 2 pool

(b)(5)

-Mike

---

**From:** Gauntt, Randall O [mailto:rogaunt@sandia.gov]  
**Sent:** Wednesday, April 20, 2011 6:39 PM  
**To:** Lee, Richard; Esmaili, Hossein; (b)(6); Salay, Michael  
**Subject:** Re: High concentration of Cs-137 found in Unit 2 pool

Great analysis.

---

**From:** Lee, Richard [mailto:Richard.Lee@nrc.gov]  
**Sent:** Wednesday, April 20, 2011 04:27 PM  
**To:** Esmaili, Hossein <Hossein.Esmaili@nrc.gov>; Gauntt, Randall O; Gauntt, Randy (home) (b)(6); Salay, Michael <Michael.Salay@nrc.gov>  
**Subject:** FW: High concentration of Cs-137 found in Unit 2 pool

---

**From:** Fetter, Steve [mailto:(b)(6)]  
**Sent:** Wednesday, April 20, 2011 6:03 PM  
**To:** DL-NITSolutions  
**Subject:** High concentration of Cs-137 found in Unit 2 pool

(b)(5)

(b)(5)

**Lee, Richard**

---

**From:** Gauntt, Randall O [rogaunt@sandia.gov]  
**Sent:** Monday, April 25, 2011 9:30 PM  
**To:** Moore, Carl  
**Cc:** Casto, Chuck; Powers, Dana A; Lee, Richard; Salay, Michael; Esmaili, Hossein; Kelly, John E (NE); [REDACTED] (b)(6)  
**Subject:** FW: Iodine Chemistry affecting Observed Ratios?

(b)(5)

Randy

---

**From:** Gauntt, Randall O  
**Sent:** Thursday, April 21, 2011 7:19 PM  
**To:** Fetter, Steve  
**Cc:** Powers, Dana A; Lee, Richard; Kelly, John E (NE); Garchow, Steve  
**Subject:** Iodine Chemistry affecting Observed Ratios?

Steve,

(b)(5)

I will forward this discussion to Dana Powers, an expert on iodine chemistry effects and get his take on the issue.

AH/III

(b)(5)

Very much appreciate the technical exchange.

best regards,

Randall Gauntt, PhD.  
Manager, Severe Accident Analysis Department  
Sandia National Laboratories  
<http://melcor.sandia.gov>

---

**From:** Fetter, Steve (b)(6)  
**Sent:** Thursday, April 21, 2011 1:01 PM  
**To:** Gauntt, Randall O  
**Subject:** RE: High concentration of Cs-137 found in Unit 2 pool

Thanks for your thoughtful comments.

(b)(5)

---

**From:** Gauntt, Randall O [mailto:rogaunt@sandia.gov]  
**Sent:** Wednesday, April 20, 2011 10:34 PM  
**To:** Fetter, Steve  
**Subject:** FW: High concentration of Cs-137 found in Unit 2 pool

Excellent analysis Steve.

(b)(5)

best regards

Randall Gauntt  
Sandia National Laboratories

---

**From:** Lee, Richard [Richard.Lee@nrc.gov]  
**Sent:** Wednesday, April 20, 2011 4:27 PM



**To:** Esmaili, Hossein; Gauntt, Randall O; Gauntt, Randy (home); Salay, Michael  
**Subject:** FW: High concentration of Cs-137 found in Unit 2 pool

---

**From:** Fetter, Steve [mailto:(b)(6)]

**Sent:** Wednesday, April 20, 2011 6:03 PM

**To:** DL-NITSolutions

**Subject:** High concentration of Cs-137 found in Unit 2 pool

(b)(5)

---

**From:** Virgilio, Martin  
**Sent:** Tuesday, April 26, 2011 5:45 PM  
**To:** Tracy, Glenn; Uhle, Jennifer; Carpenter, Cynthia; Johnson, Michael; Burns, Stephen; Rothschild, Trip; OST01 HOC; LIA08 Hoc; Holahan, Patricia; Wiggins, Jim; Evans, Michele  
**Cc:** Borchardt, Bill  
**Subject:** REPLY: ACTION: FW: (b)(5)

Michele

This is one of the more significant action items in my forecast for work that we need to do over the next 2 years. Specifically, I believe we need to interact with other Federal partners on an external lessons learned review. This would be focused on translating lessons learned from Fukushima into improvements for a Federal response to a domestic event.

(b)(5)

Let's discuss how best to respond.

Marty

---

**From:** Tracy, Glenn  
**Sent:** Tuesday, April 26, 2011 1:22 PM  
**To:** Uhle, Jennifer; Carpenter, Cynthia; Johnson, Michael; Itzkowitz, Marvin; Burns, Stephen; Rothschild, Trip; Maxin, Mark; OST01 HOC; LIA08 Hoc; Holahan, Patricia; Wiggins, Jim  
**Cc:** Virgilio, Martin  
**Subject:** ACTION: FW: (b)(5)

Jennifer (ET), OGC, NSIR, and LT Coordinator,

(b)(5)

(b)(5)

---

**From:** Bentz, Julie A. [mailto:(b)(6)]  
**Sent:** Tuesday, April 26, 2011 11:40 AM  
**To:** Tracy, Glenn  
**Subject:** (b)(5)

Glenn,

(b)(5)

Thanks!  
Julie

COL Julie A Bentz, PhD  
Director, Nuclear Defense Policy  
National Security Staff  
EEOB Rm 379  
1650 Pennsylvania Ave  
Washington DC, 20502

(b)(6)

---

**From:** OST01 HOC  
**Sent:** Tuesday, April 26, 2011 10:58 PM  
**To:** FOIA Response.hoc Resource  
**Subject:** FW: UPDATE-FURTHER INFO RE ACTION: FW: (b)(5)

---

**From:** Virgilio, Martin  
**Sent:** Tuesday, April 26, 2011 6:42 PM  
**To:** Tracy, Glenn; Burns, Stephen; Uhle, Jennifer; Carpenter, Cynthia; Johnson, Michael; Itzkowitz, Marvin; Rothschild, Trip; Maxin, Mark; OST01 HOC; LIA08 Hoc; Holahan, Patricia; Wiggins, Jim; Evans, Michele; Morris, Scott; McDermott, Brian  
**Cc:** Borchardt, Bill  
**Subject:** RE: UPDATE-FURTHER INFO RE ACTION: FW: (b)(5)

Thanks, Glenn

If there is going to be a call, I would want to have that call preceded by a meeting with me to align on key messages.

Marty

---

**From:** Tracy, Glenn  
**Sent:** Tuesday, April 26, 2011 5:50 PM  
**To:** Burns, Stephen; Uhle, Jennifer; Carpenter, Cynthia; Johnson, Michael; Itzkowitz, Marvin; Rothschild, Trip; Maxin, Mark; OST01 HOC; LIA08 Hoc; Holahan, Patricia; Wiggins, Jim; Evans, Michele; Morris, Scott; McDermott, Brian; Virgilio, Martin  
**Cc:** Borchardt, Bill  
**Subject:** UPDATE-FURTHER INFO RE ACTION: FW: (b)(5)

(b)(5)

---

**From:** Burns, Stephen  
**Sent:** Tuesday, April 26, 2011 2:40 PM  
**To:** Uhle, Jennifer; Tracy, Glenn; Carpenter, Cynthia; Johnson, Michael; Itzkowitz, Marvin; Rothschild, Trip; Maxin, Mark; OST01 HOC; LIA08 Hoc; Holahan, Patricia; Wiggins, Jim  
**Cc:** Virgilio, Martin  
**Subject:** Re: ACTION: FW: (b)(5)

(b)(5)

---

**From:** Uhle, Jennifer

**To:** Tracy, Glenn; Carpenter, Cynthia; Johnson, Michael; Itzkowitz, Marvin; Burns, Stephen; Rothschild, Trip; Maxin, Mark; OST01 HOC; LIA08 Hoc; Holahan, Patricia; Wiggins, Jim

**Cc:** Virgilio, Martin

**Sent:** Tue Apr 26 13:48:28 2011

**Subject:** RE: ACTION: FW: (b)(5)

Glenn, I am going to red ticket this and send it to NSIR management since the answer has already been developed in one form or another. As such, I am forwarding it to Michele Evans, Brian McDermott and Scott Morris. I ask that the answer be okay'd by OGC so it should come into OST01 HOC and LIA08 HOC as fully concurred. Beth Reed, who is currently serving in the Lia position has provided the following as a starter:

I would suggest we build off the National Response Framework and the Nuc/Rad Annex. The Annex has a breakdown of roles and responsibilities for events that involve NRC licensed facilities.

Thanks,

Jennifer

---

**From:** Tracy, Glenn

**Sent:** Tuesday, April 26, 2011 1:22 PM

**To:** Uhle, Jennifer; Carpenter, Cynthia; Johnson, Michael; Itzkowitz, Marvin; Burns, Stephen; Rothschild, Trip; Maxin, Mark; OST01 HOC; LIA08 Hoc; Holahan, Patricia; Wiggins, Jim

**Cc:** Virgilio, Martin

**Subject:** ACTION: FW: (b)(5)

Jennifer (ET), OGC, NSIR, and LT Coordinator,

(b)(5)

(b)(5)

---

**From:** Bentz, Julie A. [mailto:(b)(6)]

**Sent:** Tuesday, April 26, 2011 11:40 AM

**To:** Tracy, Glenn

**Subject:** (b)(5)

Glenn,

(b)(5)

Thanks!  
Julie

COL Julie A Bentz, PhD  
Director, Nuclear Defense Policy  
National Security Staff  
EEOB Rm 379  
1650 Pennsylvania Ave  
Washington DC, 20502

(b)(6)

---

**From:** Milligan, Patricia  
**Sent:** Friday, April 29, 2011 10:47 AM  
**To:** Brock, Kathryn; Hoc, PMT12  
**Subject:** Fw: Permanent re-entry criteria for Japan

Sent from my NRC Blackberry  
Patricia A Milligan, CHP RPh

(b)(6)

---

**From:** Bentz, Julie A. <(b)(6)>  
**To:** Veal.Lee@epamail.epa.gov <Veal.Lee@epamail.epa.gov>; Perciasepe.Bob@epamail.epa.gov <Perciasepe.Bob@epamail.epa.gov>  
**Cc:** Dietrich.Debbie@epamail.epa.gov <Dietrich.Debbie@epamail.epa.gov>; Milligan, Patricia  
**Sent:** Thu Mar 31 18:34:21 2011  
**Subject:** RE: Permanent re-entry criteria for Japan

Lee,

I'm hearing that Heidi will call another Deputies during the week of April 11<sup>th</sup> and would like an answer at that time. Trish Milligan from NRC is your POC for the temporary reentry guidance that was recently released. I've cc'd her here. She should be able to put you in with the right folks on this morning's expansion as well.

Thanks!  
Julie

**From:** Veal.Lee@epamail.epa.gov [mailto:Veal.Lee@epamail.epa.gov]  
**Sent:** Thursday, March 31, 2011 8:34 AM  
**To:** Bentz, Julie A.; Perciasepe.Bob@epamail.epa.gov  
**Cc:** Dietrich.Debbie@epamail.epa.gov  
**Subject:** Re: Permanent re-entry criteria for Japan

Julie,

What is your timing for this one?

Also, is NRC also the best contact for this morning's Japanese expansion of their evacuation zone? Or do you have a State expert?

Lee  
Lee B. Veal  
Director, Center for Radiological Emergency Response  
Radiation Protection Division  
U.S. Environmental Protection Agency  
Office 202 343 9448  
Cell. (b)(6)

**From:** "Bentz, Julie A." (b)(6)  
**Sent:** 03/30/2011 07:12 PM AST  
**To:** Bob Perciasepe  
**Cc:** #RESILIENCE <#RESILIENCE@dsr.eop.gov>; Debbie Dietrich; Lee Veal  
**Subject:** Permanent re-entry criteria for Japan

Bob,

(b)(5)

Thanks!  
Julie

COL(P) Julie A Bentz  
Director for Nuclear Defense Policy  
National Security Staff  
EEOB 379  
1650 Pennsylvania Ave NW  
Washington DC 20502

(b)(6)



Attached please find:

1. CBP Release Guidance (OUO)
2. NRC temporary re-entry guidance for the 50 mile exclusion zone
3. A-Team Cargo Screening Guidance
4. Food PAGS overview
5. Japan Spectrum Compilation as of 25 Mar (OUO)

Thanks!

Julie

COL(P) Julie A Bentz  
Director for Nuclear Defense Policy  
National Security Staff  
EEOB 379  
1650 Pennsylvania Ave NW  
Washington DC 20502

(b)(6)

## Weber, Michael

---

**From:** Weber, Michael  
**Sent:** Monday, March 14, 2011 2:58 PM  
**To:** LIA05 Hoc  
**Subject:** FYI - eWASH-WH0116  
**Attachments:** 1582.pdf

Not clear whether we have seen this before and how it may relate to our ongoing response. Please consider within Liaison Team w/ ET.

---

**From:** Vietti-Cook, Annette  
**To:** Jaczko, Gregory  
**Cc:** Batkin, Joshua; Coggins, Angela; Monninger, John; Brenner, Eliot; Hayden, Elizabeth; Borchardt, Bill; Virgilio, Martin; Weber, Michael; Svinicki, Kristine; Sharkey, Jeffry; Apostolakis, George; Sosa, Belkys; Bubar, Patrice; Magwood, William; Ostendorff, William; Nieh, Ho; Burns, Stephen; Rothschild, Trip; Doane, Margaret; Mamish, Nader  
**Sent:** Mon Mar 14 13:54:49 2011  
**Subject:** FW: eWASH-WH0116

Attached is a summary of the first Deputies meeting early March 11, 2011, NRC was not in attendance.

EDO for Information

---

**From:** Giles, Vanessa  
**Sent:** Monday, March 14, 2011 1:00 PM  
**To:** Vietti-Cook, Annette  
**Cc:** Wright, Darlene; McKelvin, Sheila; Mike, Linda; Lewis, Antoinette; Champ, Billie  
**Subject:** FW: eWASH-WH0116

Annette, as we discussed, here is the eWash message we received at 12:35pm

We have already receipted for the message.

Let me know if you need anything else.

---

**From:** NRCHQ [<mailto:NRCHQ.Resource@nrc.gov>]  
**Sent:** Monday, March 14, 2011 12:27 PM  
**To:** Dodmead, James; Mangefrida, Michael; Giles, Vanessa; Parsons, Darryl  
**Subject:** FW: eWASH-WH0116

---

**From:** eWash-WHSR [REDACTED] (b)(6)  
**Sent:** Monday, March 14, 2011 12:26:47 PM  
**To:** eWash-USAID (AID.EStaskerMailLISTUSAID@usaid.gov); ewash@state.gov;  
[REDACTED] (b)(6); DOE.Commcenter@in.doe.gov; CommCenterStaff@hq.dhs.gov;  
[REDACTED] (b)(6); NRCHQ  
**Cc:** eWash-WHSR  
**Subject:** eWASH-WH0116  
**Auto forwarded by a Rule**

AM/115

001582

NATIONAL SECURITY STAFF  
WASHINGTON, D.C. 20504

(b)(5)

(b)(5)

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**From:** Brenner, Eliot  
**Sent:** Monday, March 14, 2011 3:35 PM  
**To:** Weber, Michael; Borchardt, Bill; HOO Hoc; Grobe, Jack; Dorman, Dan  
**Cc:** LIA05 Hoc  
**Subject:** RE: eWASH-WH0118

White house has our q-and-a. got it yesterday.

**From:** Weber, Michael  
**Sent:** Monday, March 14, 2011 3:34 PM  
**To:** Borchardt, Bill; HOO Hoc; Grobe, Jack; Dorman, Dan  
**Cc:** Brenner, Eliot; LIA05 Hoc  
**Subject:** Response - eWASH-WH0118

I think that we have done our lead action by coordinating our press releases over the weekend with the White House. I do not know whether we have shared our Q&As with the White House. Sharing those might be helpful in providing a more comprehensive response, especially with respect to discussing the second part regarding "what could happen."

---

**From:** Borchardt, Bill  
**To:** HOO Hoc; Grobe, Jack; Weber, Michael; Dorman, Dan  
**Sent:** Mon Mar 14 15:00:19 2011  
**Subject:** FW: eWASH-WH0118

We need to verify completion of the NRC lead action

**From:** Vietti-Cook, Annette  
**Sent:** Monday, March 14, 2011 1:33 PM  
**To:** Jaczko, Gregory; Skeen, David  
**Cc:** Batkin, Joshua; Coggins, Angela; Monninger, John; Brenner, Eliot; Hayden, Elizabeth; Borchardt, Bill; Virgilio, Martin; Weber, Michael; Svinicki, Kristine; Sharkey, Jeffry; Apostolakis, George; Sosa, Belkys; Bubar, Patrice; Magwood, William; Ostendorff, William; Nieh, Ho; Burns, Stephen; Rothschild, Trip; Doane, Margaret; Mamish, Nader  
**Subject:** FW: eWASH-WH0118

Attached is a summary of the Deputies meeting March 12, attended by the Chairman and David Skeen. NRC action to support White House press. Summary of earlier Deputies meetings to follow.

To OPA/EDO for Appropriate Action

**From:** Giles, Vanessa  
**Sent:** Monday, March 14, 2011 1:02 PM  
**To:** Vietti-Cook, Annette  
**Cc:** Mike, Linda; Wright, Darlene; Lewis, Antoinette; Champ, Billie  
**Subject:** FW: eWASH-WH0118

**From:** NRCHQ [mailto:NRCHQ.Resource@nrc.gov]  
**Sent:** Monday, March 14, 2011 12:32 PM  
**To:** Dodmead, James; Mangefrida, Michael; Giles, Vanessa; Parsons, Darryl  
**Subject:** FW: eWASH-WH0118

AH/116

**From:** eWash-WHSR; (b)(6)  
**Sent:** Monday, March 14, 2011 12:30:44 PM  
**To:** eWash-USAID (AID.EStaskerMailLISTUSAID@usaid.gov); ewash@state.gov;  
 (b)(6) ewash@doc.gov;  
 Ekaterini Malliou (HHS Executive Secretariat); HHSComSec@hhs.gov;  
 HHSExecSec@hhs.gov ; DOE.Commcenter@in.doe.gov;  
 CommCenterStaff@hq.dhs.gov; (b)(6)  
 NRCHQ  
**Cc:** eWash-WHSR  
**Subject:** eWASH-WH0118  
**Auto forwarded by a Rule**

**CLASSIFICATION: UNCLASSIFIED**

<b>FROM:</b>	<b>NSS</b>	<b>PH:</b>	(b)(6)	<b>ROOM:</b>	<b>302A</b>
<b>SUBJECT:</b>		<b>SOC for 12 March DC Meeting on the</b>		<b>PAGES: 6</b>	
		<b>Japanese Earthquake and Pacific</b>			
		<b>Tsunami</b>			

**PLEASE DELIVER TO:**

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

**NRC**

**SECRETARY OF THE COMMISSION**


**SPECIAL DELIVERY INSTRUCTIONS/REMARKS:**

**NATIONAL SECURITY STAFF**  
**WASHINGTON, D.C. 20504**

**March 14, 2011**

(b)(5)



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

Attachment

Tab A Summary of Conclusions

**Tab A**

**NATIONAL SECURITY STAFF**  
**WASHINGTON, D.C. 20504**

(b)(5)

(b)(5)

**Clayton, Kathleen**

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**From:** Vietti-Cook, Annette  
**Sent:** Thursday, March 17, 2011 8:26 AM  
**To:** Jaczko, Gregory  
**Cc:** Batkin, Joshua; Coggins, Angela; Monninger, John; Brenner, Eliot; Hayden, Elizabeth; Borchardt, Bill; Virgilio, Martin; Weber, Michael; Svinicki, Kristine; Sharkey, Jeffry; Apostolakis, George; Sosa, Belkys; Bubar, Patrice; Magwood, William; Ostendorff, William; Nieh, Ho; Burns, Stephen; Rothschild, Trip; Doane, Margaret; Mamish, Nader; Harrington, Holly; Borchardt, Bill; Virgilio, Martin; Weber, Michael; Schmidt, Rebecca; Powell, Amy  
**Subject:** FW: eWash: WH 124  
**Attachments:** 4411001653b.pdf

Summary of conclusion from the Deputies meeting March 14.

**From:** NRCHQ  
**Sent:** Wednesday, March 16, 2011 5:42 PM  
**To:** Dodmead, James; Mangefrida, Michael; Giles, Vanessa; Parsons, Darryl  
**Subject:** FW: eWash: WH 124

**From:** eWash-WHSR; (b)(6)  
**Sent:** Wednesday, March 16, 2011 5:41:48 PM  
**To:** eWash-USAID (AID.EStaskerMailLISTUSAID@usaid.gov); ewash@state.gov; (b)(6); ewash@doc.gov; Ekaterini Malliou (HHS Executive Secretariat); HHSExecSec@hhs.gov; HHSExecSec@hhs.gov; DOE.Commcenter@in.doe.gov; CommCenterStaff@hq.dhs.gov; (b)(6); DOI\_Watch\_office@ios.doi.gov; Fay\_Iudicello@ios.doi.gov; NRCHQ  
**Cc:** eWash-WHSR  
**Subject:** eWash: WH 124  
**Auto forwarded by a Rule**

**CLASSIFICATION: UNCLASSIFIED**

<b>FROM:</b>	<b>NSS</b>	<b>PH:</b>	(b)(6)	<b>ROOM:</b>	<b>302A</b>
<b>SUBJECT: SOC for 14 March DC Meeting on the Japanese Earthquake and Pacific Tsunami SVTC</b>		<b>PAGES: 7</b>			

**PLEASE DELIVER TO:**

<u>LOCATION</u>	<u>DELIVER TO</u>	<u>ROOM</u>	<u>PHONE</u>
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AH/117

<b>STATE</b>	<b>EXECUTIVE SECRETARY</b>		
<b>DEFENSE</b>	<b>EXECUTIVE SECRETARY</b>		
<b>COMMERCE</b>	<b>DIRECTOR, EXECUTIVE SECRETARIAT</b>		
<b>DHHS</b>	<b>EXECUTIVE SECRETARY</b>		
<b>ENERGY</b>	<b>DIRECTOR, EXECUTIVE SECRETARIAT</b>		
<b>DHS</b>	<b>EXECUTIVE SECRETARY</b>		
<b>USAID</b>	<b>ACTING EXECUTIVE SECRETARY</b>		
<b>JCS</b>	<b>SPECIAL ASSISTANT FOR INTERAGENCY AFFAIRS (J-5)</b>		
<b>NRC</b>	<b>SECRETARY OF THE COMMISSION</b>		
<b>INTERIOR</b>	<b>DIRECTOR, EXECUTIVE SECRETARIAT</b>		

**SPECIAL DELIVERY INSTRUCTIONS/REMARKS:**

001653

**NATIONAL SECURITY STAFF**  
**WASHINGTON, D.C. 20504**

**March 16, 2011**

(b)(5)

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

Attachment

Tab A Summary of Conclusions



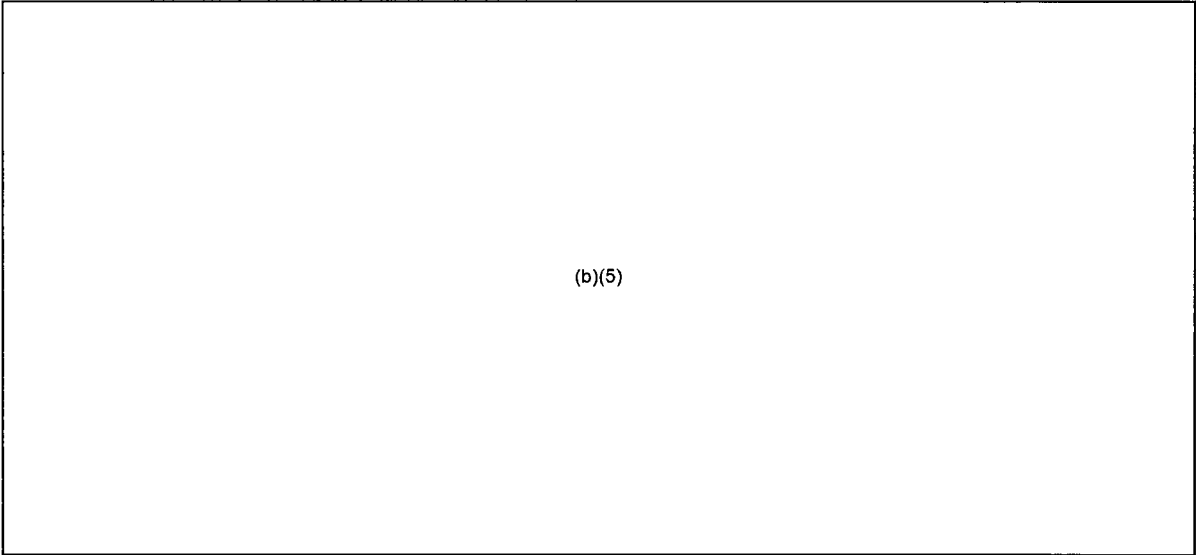
**TAB A**

NATIONAL SECURITY STAFF  
WASHINGTON, D.C. 20504

(b)(5)

(b)(5)

(b)(5)



(b)(5)

**From:** Virgilio, Martin  
**Sent:** Friday, March 25, 2011 9:45 PM  
**To:** LIA06 Hoc  
**Subject:** FW: eWASH WH0142  
**Attachments:** 4411001730ewash.pdf

**Importance:** High

For Rich

**From:** Vietti-Cook, Annette  
**Sent:** Tuesday, March 22, 2011 9:28 AM  
**To:** Svinicki, Kristine; Apostolakis, George; Magwood, William; Ostendorff, William  
**Cc:** Sharkey, Jeffry; Sosa, Belkys; Bubar, Patrice; Nieh, Ho; Batkin, Joshua; Coggins, Angela; Bradford, Anna; Loyd, Susan; Borchardt, Bill; Weber, Michael; Virgilio, Martin  
**Subject:** FW: eWASH WH0142  
**Importance:** High

Summary of Conclusions for Deputies Meeting Japan Earthquake March 18. Chairman participated.

**From:** eWash-WHSR [mailto:(b)(6)]  
**Sent:** Tuesday, March 22, 2011 12:26 AM  
**To:** 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; USAID; (b)(6); NRCHQ  
**Cc:** eWash-WHSR  
**Subject:** eWASH WH0142  
**Importance:** High

**CLASSIFICATION: UNCLASSIFIED**

FROM:	NSS	PH:	(b)(6)	ROOM:	5013
SUBJECT: SOC for 18 March DC Meeting on Japan Earthquake					
PAGES: 6					

**PLEASE DELIVER TO:**

LOCATION	DELIVER TO	ROOM	PHONE
STATE	EXECUTIVE SECRETARY		

AM/11 8

<b>TREASURY</b>	<b>EXECUTIVE SECRETARY</b>		
<b>DEFENSE</b>	<b>EXECUTIVE SECRETARY</b>		
<b>JUSTICE</b>	<b>ASSOCIATE DEPUTY ATTORNEY GENERAL</b>		
<b>INTERIOR</b>	<b>DIRECTOR OF EXECUTIVE SECRETARIAT</b>		
<b>AGRICULTURE</b>	<b>CHIEF OF STAFF</b>		
<b>COMMERCE</b>	<b>DIRECTOR, EXECUTIVE SECRETARIAT</b>		
<b>DHHS</b>	<b>EXECUTIVE SECRETARY</b>		
<b>TRANSPORTATION</b>	<b>DIRECTOR, EXECUTIVE SECRETARIAT</b>		
<b>ENERGY</b>	<b>DIRECTOR, EXECUTIVE SECRETARIAT</b>		
<b>VETERANS AFFAIRS</b>	<b>EXECUTIVE SECRETARY</b>		
<b>DHS</b>	<b>EXECUTIVE SECRETARY</b>		
<b>EPA</b>	<b>CHIEF OF STAFF</b>		
<b>USAID</b>	<b>ACTING EXECUTIVE SECRETARY</b>		
<b>JCS</b>	<b>SPECIAL ASSISTANT FOR INTERAGENCY AFFAIRS (J-5)</b>		
<b>NRC</b>	<b>SECRETARY OF THE COMMISSION</b>		

**SPECIAL DELIVERY INSTRUCTIONS/REMARKS:**

**URGENT:** Please deliver to Deputies ASAP

**NATIONAL SECURITY STAFF**  
**WASHINGTON, D.C. 20504**

(b)(5)



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

Attachment  
Tab A Summary of Conclusions

001730

**NATIONAL SECURITY STAFF**  
**WASHINGTON, D.C. 20504**

(b)(5)

(b)(5)

(b)(5)

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**From:** LIA06 Hoc  
**Sent:** Saturday, March 26, 2011 12:35 PM  
**To:** Ross-Lee, MaryJane  
**Subject:** FW: WH Deputies Due Outs.docx  
**Attachments:** WH Deputies Due Outs.docx

Liaison Team Director  
U.S. Nuclear Regulatory Commission  
Operations Center

**From:** LIA03 Hoc  
**Sent:** Saturday, March 26, 2011 10:56 AM  
**To:** LIA06 Hoc; LIA08 Hoc  
**Cc:** LIA02 Hoc  
**Subject:** WH Deputies Due Outs.docx

As requested.

AM/119

Below are a list of taskings for the NRC as a result of the Deputies Committee Meetings:

(b)(5)

(b)(5)

(b)(5)



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**From:** LIA03 Hoc  
**Sent:** Saturday, March 26, 2011 1:03 PM  
**To:** LIA06 Hoc; LIA08 Hoc; LIA03 Hoc  
**Subject:** WH Deputies Due Outs updated.docx  
**Attachments:** WH Deputies Due Outs updated.docx

One additional action.

AH/IR

(b)(5)

---

**From:** LIA05 Hoc  
**Sent:** Wednesday, March 30, 2011 4:11 PM  
**To:** FOIA Response.hoc Resource  
**Subject:** FW: eWASH-WH0118

Bonnie Sheffield Dayshift 0700-1500  
Ken Wierman Nightshift 1500-2300  
FEMA REP Liaison  
NRC Operations Center  
(301) 816-5187

\*\*\*\*\*FOR OFFICIAL USE ONLY\*\*\*\*\*  
**DO NOT RELEASE OUTSIDE OF THE FEDERAL FAMILY**

**From:** Brenner, Eliot  
**Sent:** Monday, March 14, 2011 3:35 PM  
**To:** Weber, Michael; Borchardt, Bill; HOO Hoc; Grobe, Jack; Dorman, Dan  
**Cc:** LIA05 Hoc  
**Subject:** RE: eWASH-WH0118

White house has our q-and-a. got it yesterday.

**From:** Weber, Michael  
**Sent:** Monday, March 14, 2011 3:34 PM  
**To:** Borchardt, Bill; HOO Hoc; Grobe, Jack; Dorman, Dan  
**Cc:** Brenner, Eliot; LIA05 Hoc  
**Subject:** Response - eWASH-WH0118

I think that we have done our lead action by coordinating our press releases over the weekend with the White House. I do not know whether we have shared our Q&As with the White House. Sharing those might be helpful in providing a more comprehensive response, especially with respect to discussing the second part regarding "what could happen."

---

**From:** Borchardt, Bill  
**To:** HOO Hoc; Grobe, Jack; Weber, Michael; Dorman, Dan  
**Sent:** Mon Mar 14 15:00:19 2011  
**Subject:** FW: eWASH-WH0118

We need to verify completion of the NRC lead action

**From:** Vietti-Cook, Annette  
**Sent:** Monday, March 14, 2011 1:33 PM  
**To:** Jaczko, Gregory; Skeen, David  
**Cc:** Batkin, Joshua; Coggins, Angela; Monninger, John; Brenner, Eliot; Hayden, Elizabeth; Borchardt, Bill; Virgilio, Martin; Weber, Michael; Svinicki, Kristine; Sharkey, Jeffry; Apostolakis, George; Sosa, Belkys; Bubar, Patrice; Magwood, William; Ostendorff, William; Nieh, Ho; Burns, Stephen; Rothschild, Trip; Doane, Margaret; Mamish, Nader  
**Subject:** FW: eWASH-WH0118

Attached is a summary of the Deputies meeting March 12, attended by the Chairman and David Skeen. NRC action to support White House press. Summary of earlier Deputies meetings to follow.

To OPA/EDO for Appropriate Action

**From:** Giles, Vanessa  
**Sent:** Monday, March 14, 2011 1:02 PM  
**To:** Vietti-Cook, Annette  
**Cc:** Mike, Linda; Wright, Darlene; Lewis, Antoinette; Champ, Billie  
**Subject:** FW: eWASH-WH0118

**From:** NRCHQ [mailto:NRCHQ.Resource@nrc.gov]  
**Sent:** Monday, March 14, 2011 12:32 PM  
**To:** Dodmead, James; Mangefrida, Michael; Giles, Vanessa; Parsons, Darryl  
**Subject:** FW: eWASH-WH0118

**From:** eWash-WHSR[SMTP: (b)(6)]  
**Sent:** Monday, March 14, 2011 12:30:44 PM  
**To:** eWash-USAID (AID.EStaskerMailLISTUSAID@usaid.gov); ewash@state.gov;  
(b)(6) ewash@doc.gov;  
Ekaterini Malliou (HHS Executive Secretariat); HHSEComSec@hhs.gov;  
HHSEExecSec@hhs.gov ; DOE.Commcenter@in.doe.gov;  
CommCenterStaff@hq.dhs.gov; (b)(6)  
NRCHQ  
**Cc:** eWash-WHSR  
**Subject:** eWASH-WH0118  
**Auto forwarded by a Rule**

**CLASSIFICATION: UNCLASSIFIED**

<b>FROM:</b>	<b>NSS</b>	<b>PH:</b>	(b)(6)	<b>ROOM:</b>	<b>302A</b>
<b>SUBJECT: SOC for 12 March DC Meeting on the Japanese Earthquake and Pacific Tsunami</b>		<b>PAGES: 6</b>			

**PLEASE DELIVER TO:**

<u>LOCATION</u>	<u>DELIVER TO</u>	<u>ROOM</u>	<u>PHONE</u>
<u>STATE</u>	<u>EXECUTIVE SECRETARY</u>		
<u>DEFENSE</u>	<u>EXECUTIVE SECRETARY</u>		

COMMERCE	DIRECTOR, EXECUTIVE SECRETARIAT		
DHHS	EXECUTIVE SECRETARY		
ENERGY	DIRECTOR, EXECUTIVE SECRETARIAT		
DHS	EXECUTIVE SECRETARY		
USAID	ACTING EXECUTIVE SECRETARY		
JCS	SPECIAL ASSISTANT FOR INTERAGENCY AFFAIRS (J-5)		
NRC	SECRETARY OF THE COMMISSION		

**SPECIAL DELIVERY INSTRUCTIONS/REMARKS:**

001609

**NATIONAL SECURITY STAFF**  
**WASHINGTON, D.C. 20504**

**March 14, 2011**

(b)(5)

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

Attachment

Tab A Summary of Conclusions

**Tab A**



**NATIONAL SECURITY STAFF**  
**WASHINGTON, D.C. 20504**

(b)(5)

(b)(5)

**From:** Vietti-Cook, Annette  
**Sent:** Saturday, April 02, 2011 8:07 PM  
**To:** Jaczko, Gregory  
**Cc:** Batkin, Joshua; Coggins, Angela; Pace, Patti; Bradford, Anna; ET05 Hoc; Champ, Billie; Virgilio, Martin; Weber, Michael; Mamish, Nader; Brenner, Eliot; Hayden, Elizabeth; Svinicki, Kristine; Sharkey, Jeffry; Apostolakis, George; Sosa, Belkys; Magwood, William; Ostendorff, William; Nieh, Ho; LIA06 Hoc; LIA08 Hoc; LIA02 Hoc; LIA03 Hoc; Doane, Margaret; Loyd, Susan; Bubar, Patrice  
**Subject:** FW: eWash WH168  
**Attachments:** 2078e.pdf

**From:** NRCHQ  
**Sent:** Friday, April 01, 2011 7:02 PM  
**To:** Dodmead, James; Mangefrida, Michael; Giles, Vanessa; Parsons, Darryl  
**Subject:** FW: eWash WH168

**From:** eWash-WHSR[SMTP: (b)(6)]  
**Sent:** Friday, April 01, 2011 10:00:26 PM  
**To:** ewash@state.gov; (b)(6); JCC@usdoj.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; (b)(6); DOE.Commcenter@h.doe.gov; CommCenterStaff@hq.dhs.gov; martin.john@epa.gov; NRCHQ  
**Cc:** eWash-WHSR  
**Subject:** eWash WH168  
**Auto forwarded by a Rule**

**CLASSIFICATION: UNCLASSIFIED**

FROM: <b>NSS</b>	PH: (b)(6)	ROOM: <b>302A</b>
SUBJECT: DC Meeting on Japan for April 1, 2011		PAGES: 5

**PLEASE DELIVER TO:**

<u>LOCATION</u>	<u>DELIVER TO</u>	<u>ROOM</u>	<u>PHONE</u>
STATE	EXECUTIVE SECRETARY		

AM/122

<b>DEFENSE</b>	<b>EXECUTIVE SECRETARY</b>		
<b>JUSTICE</b>	<b>ASSOCIATE DEPUTY ATTORNEY GENERAL</b>		
<b>AGRICULTURE</b>	<b>CHIEF OF STAFF</b>		
<b>COMMERCE</b>	<b>DIRECTOR, EXECUTIVE SECRETARIAT</b>		
<b>DHHS</b>	<b>EXECUTIVE SECRETARY</b>		
<b>TRANSPORTATION</b>	<b>DIRECTOR, EXECUTIVE SECRETARIAT</b>		
<b>USAID</b>	Acting Executive Secretary		
<b>USUN</b>	<b>SPECIAL ASSISTANT TO THE REPRESENTATIVE OF THE U.S.</b>		
<b>JCS</b>	<b>SPECIAL ASSISTANT FOR INTERAGENCY AFFAIRS (J-5)</b>		
<b>ENERGY</b>	<b>DIRECTOR, EXECUTIVE SECRETARIAT</b>		
<b>DHS</b>	<b>EXECUTIVE SECRETARY</b>		
<b>EPA</b>	<b>CHIEF OF STAFF</b>		
<b>NRC</b>	<b>SECRETARY OF THE COMMISSION</b>		

**SPECIAL DELIVERY INSTRUCTIONS/REMARKS:**

Jamia Jowers  
Staff Information Specialist

NATIONAL SECURITY STAFF  
WASHINGTON, D.C. 20504

April 1, 2011

(b)(5)

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

Attachment  
Tab A Agenda

Tab A

(b)(5)



**From:** Vietti-Cook, Annette  
**To:** Jaczo, Gregory; Batkin, Joshua; Weber, Michael  
**Cc:** Coggins, Angela; Bradford, Anna; Loyd, Susan; Borchardt, Bill; Virgilio, Martin; Doane, Margaret; Mamish, Nader; Brenner, Eliot; Hayden, Elizabeth; Burns, Stephen; Rothschild, Trip; Svinicki, Kristine; Sharkey, Jeffrey; Apostolakis, George; Sosa, Belkys; Magwood, William; Bubar, Patrice; Ostendorff, William; Nieh, Ho; LIA06 Hoc; LIA08 Hoc; LIA02 Hoc; LIA03 Hoc; ET05 Hoc; Champ, Billie; Mike, Linda; McKelvin, Sheila; Bates, Andrew  
**Subject:** FW: eWASH - WH0170- Supersedes TAB B of WH0169  
**Date:** Sunday, April 03, 2011 8:55:52 AM  
**Attachments:** 2017 Japan Hypothetical Models.pdf  
**Importance:** High

---

**From:** NRCHQ  
**Sent:** Saturday, April 02, 2011 6:31 PM  
**To:** Dodmead, James; Mangefrida, Michael; Giles, Vanessa; Parsons, Darryl  
**Subject:** FW: eWASH - WH0170- Supersedes TAB B of WH0169  
**Importance:** High

**From:** eWash-WHSR[SMTP] (b)(6)  
**Sent:** Saturday, April 02, 2011 9:30:42 PM  
**To:** (b)(6) ewash@state.gov; ExecSecCom@do.treas.gov; JCC@usdoj.gov; DNI-Executive-Secretariat@dni.gov; DNIwatch@dni.gov; ic4@dni.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; vaioc@va.gov; CommCenterStaff@hq.dhs.gov; martin.john@epa.gov; USAID; NRCHQ;  
(b)(6)

**Cc:** eWash-WHSR  
**Subject:** eWASH - WH0170- Supersedes TAB B of WH0169  
**Importance:** High  
**Auto forwarded by a Rule**

\*\*\*\*Supersedes Tab B of WH0169\*\*\*\*

Attached is a cleaner version of Tab B.

V/R  
Maurice Owens  
White House Situation Room  
Communications Technician

(b)(6)

**CLASSIFICATION: UNCLASSIFIED**

<b>FROM:</b>	<b>NSS</b>	<b>PH:</b>	(b)(6)	<b>ROOM:</b>	<b>302A</b>
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AH/123

SUBJECT: - SOC for DC on Japan

PAGES: 13

**PLEASE DELIVER TO:**

<u>LOCATION</u>	<u>DELIVER TO</u>	<u>ROOM</u>	<u>PHONE</u>
STATE	<b>EXECUTIVE SECRETARY</b>		
TREASURY	<b>EXECUTIVE SECRETARY</b>		
DEFENSE	<b>EXECUTIVE SECRETARY</b>		
JUSTICE	<b>ASSOCIATE DEPUTY ATTORNEY GENERAL</b>		
DNI	<b>DIRECTOR, EXECUTIVE SECRETARIAT</b>		
AGRICULTURE	<b>CHIEF OF STAFF</b>		
COMMERCE	<b>DIRECTOR, EXECUTIVE SECRETARIAT</b>		
DHHS	Executive Secretary		
TRANSPORTATION	<b>DIRECTOR, EXECUTIVE SECRETARIAT</b>		
ENERGY	<b>DIRECTOR, EXECUTIVE SECRETARIAT</b>		
VETERANS AFFAIRS	<b>EXECUTIVE SECRETARY</b>		
DHS	<b>EXECUTIVE SECRETARY</b>		
EPA	<b>CHIEF OF STAFF</b>		
USUN	<b>SPECIAL ASSISTANT TO THE REPRESENTATIVE OF THE U.S.</b>		
USAID	<b>ACTING EXECUTIVE SECRETARY</b>		
NRC	<b>SECRETARY OF THE COMMISSION</b>		

JCS

**SPECIAL ASSISTANT FOR**

**INTERAGENCY AFFAIRS  
(J-5)**


**SPECIAL DELIVERY INSTRUCTIONS/REMARKS:**

Jamia Jowers  
Staff Information Specialist  
National Security Council

(b)(5)

(b)(5)

(b)(5)

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(b)(5)



(b)(5)

(b)(5)

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(b)(5)

(b)(5)

(b)(5)

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**From:** LIA08 Hoc  
**Sent:** Wednesday, April 20, 2011 3:00 PM  
**To:** ET02 Hoc  
**Subject:** FW: WHITE HOUSE DEPUTIES COMMITTEE ACTION ITEMS MATRIX  
**Attachments:** SUMMARY OF WHITE HOUSE DEPUTIES MEETING ACTION ITEM RESOLUTION FOR NRC.doc

Liaison Team Coordinator  
US Nuclear Regulatory Commission  
email: [lia08.hoc@nrc.gov](mailto:lia08.hoc@nrc.gov)  
Desk Ph: 301-816-5185

---

**From:** Temple, Jeffrey  
**Sent:** Wednesday, April 20, 2011 2:58 PM  
**To:** Virgilio, Martin; Weber, Michael; Vietti-Cook, Annette  
**Cc:** Khan, Omar; Jessie, Janelle; Franovich, Rani  
**Subject:** WHITE HOUSE DEPUTIES COMMITTEE ACTION ITEMS MATRIX

Marty and Mike

Enclosed is an updated "Summary of White House Deputies Meeting Action Item Resolution for NRC" matrix as requested by Marty.

This matrix will be embedded as a separate board in WebEOC (Omar Kahn), and will be maintained for you by the Liaison Team (me, Janelle Jesse and Rani Franovich)

Annette – please copy me ([Jeffrey.temple@nrc.gov](mailto:Jeffrey.temple@nrc.gov)) as you obtain new WH deputies meeting action items and IPC action items/meeting minutes so I can keep this document updated.

Thanks to all

Jeff Temple  
Response Program Manager

AH/124

(b)(5)



**SUMMARY OF WHITE HOUSE DEPUTIES MEETING ACTION ITEM RESOLUTION FOR NRC**  
**Rev 4/19/11**

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(b)(5)

(b)(5)

**SUMMARY OF WHITE HOUSE DEPUTIES MEETING ACTION ITEM RESOLUTION FOR NRC**  
**Rev 4/19/11**

**From:** Karonis, Jeff  
**To:** Colburn, Brent; Molran Whelan; Harrington, Holly; BILL.HALL@HHS.GOV  
**Subject:** FW: proposal to leverage usa.gov for japan 2011 response for your review  
**Date:** Wednesday, March 16, 2011 11:26:00 AM

---

Website info

---

**From:** McShea, Kathleen [mailto:Kathleen.McShea@dhs.gov]  
**Sent:** Wednesday, March 16, 2011 11:06 AM  
**To:** Macon@who.eop.gov; McShea, Kathleen  
**Cc:** Karonis, Jeff; Heath, Stanley; Stelmarski, Chris; Wood, Chad R; Shapiro, Nicholas S.  
**Subject:** Re: proposal to leverage usa.gov for japan 2011 response for your review

Thanks

Usa.gov team typically gives web post lead to one agency when multiple agencies involved

FDA \_USDA and NOAA all doing food for example. So one is the lane manager collecting links and making sure info is not different

---

**From:** Phillips, Macon [mailto:(b)(6)]  
**Sent:** Wednesday, March 16, 2011 10:59 AM  
**To:** McShea, Kathleen <Kathleen.McShea@dhs.gov>  
**Cc:** Karonis, Jeff <Jeff.Karonis@DHS.GOV>; Heath, Stanley <Stanley.Heath@dhs.gov>; Stelmarski, Chris <Chris.Stelmarski@dhs.gov>; Wood, Chad <Chad.R.Wood@dhs.gov>; Shapiro, Nicholas S.  
**Subject:** Re: proposal to leverage usa.gov for japan 2011 response for your review

+ Nick

To my mind, this needs to emphasize two key messages:

- That the US is responding to the disaster in Japan and you can track how (and you can help @ USAID.gov etc)
- A knock down of the domestic radiation scare that paraphrases the NRC language (this is via EPA.gov - <http://epa.gov/radiation/statement.html>): "As the Nuclear Regulatory Commission has said, we do not expect to see radiation at harmful levels reaching the U.S. from damaged Japanese nuclear power plants." I would make that language really clear.

With all of these other links, we need to make sure that there is framing language at the top of these assets making it clear that there is no domestic crisis (for example for FDA, making it clear that food inspection is routine, etc.).

But it is good that we have a central resource, and if it is USA.gov then that's fine with me, I would make the page usa.gov/JapanDisaster or something specific to Japan (the screenshot you send here is the usa.gov homepage, and not it's own page. You should have that so others can link to that).

---

**From:** "McShea, Kathleen" <Kathleen.McShea@dhs.gov>  
**Date:** Wed, 16 Mar 2011 10:32:38 -0400  
**To:** Robert Phillips (b)(6) <>  
**Cc:** "Karonis, Jeff" <Jeff.Karonis@DHS.GOV>, "Heath, Stanley" <Stanley.Heath@dhs.gov>, "Stelmarski, Chris" <Chris.Stelmarski@dhs.gov>, "Wood, Chad" <Chad.R.Wood@dhs.gov>  
**Subject:** proposal to leverage usa.gov for japan 2011 response for your review

AM/125



**PROPOSAL:**

Continue to use USA.gov to aggregate content and supplement with more information as it is made available on agency sites, in coordination with direction on response from White House. Instruct relevant agencies to use a common path for displaying this information so it can be easily found and aggregated at USA.gov.

This proposal has been discussed with USA.gov and they stand by ready to implement when approved.

**CURRENT**

STATE: <http://www.state.gov/p/eap/regional/158236.htm>

CDC: <http://www.bt.cdc.gov/radiation/index.asp>

**PROPOSED ADDITIONS:**

TRAVEL.STATE.GOV: <http://travel.state.gov/>

EPA: <http://epa.gov/radiation/> topic: radiation safety

ENERGY: (path not identified)

NRC: (path not identified) topic: how we are helping japan

USDA: (path not identified) topic: food safety

NOAA: (path not identified) topic: food safety

FEMA: (path not identified) topic: how we are helping japan; disaster planning preparedness, how we w would respond to a disaster like this

HHS: (path not identified) topic: how we would respond to a disaster like this

We would reach out to agency to do the ask on identifying content and putting it on the designated page with your approval.

km

~~~~~  
Kathy McShea

Director New Media & Web Communications

Department of Homeland Security

<http://www.dhs.gov>

[Kathleen.McShea@HQ.DHS.GOV](mailto:Kathleen.McShea@HQ.DHS.GOV)

tel - 202-282-8166

**Weber, Michael**

---

**From:** Weber, Michael  
**Sent:** Thursday, March 17, 2011 7:49 PM  
**To:** OST02 HOC  
**Subject:** ACTION [REDACTED] (b)(5)

For retention as part of the record.

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

**From:** Jaczko, Gregory  
**Sent:** Wednesday, March 16, 2011 8:17 AM

**To:** [REDACTED] (b)(6)  
[REDACTED] (b)(6) ;  
**Cc:** Weber, Michael; Virgilio, Martin; Borchardt, Bill; McDermott, Brian; Mamish, Nader  
**Subject:** Re: [REDACTED] (b)(5)

[REDACTED] (b)(5)

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

**From:** Shapiro, Nicholas S. [REDACTED] (b)(6)  
**To:** [REDACTED] (b)(6)  
[REDACTED] (b)(6)  
**Cc:** Weber, Michael; Virgilio, Martin; Borchardt, Bill; McDermott, Brian; Mamish, Nader  
**Sent:** Wed Mar 16 08:08:17 2011  
**Subject:** Re: [REDACTED] (b)(5)

[REDACTED] (b)(5)

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

**From:** Holdren, John P.  
**To:** Miller, Chris <[Chris.Miller@nrc.gov](mailto:Chris.Miller@nrc.gov)>; Brennan, John O.; Jaczko, Gregory <[Gregory.Jaczko@nrc.gov](mailto:Gregory.Jaczko@nrc.gov)>; 'Daniel.Poneman@hq.doe.gov' <[Daniel.Poneman@hq.doe.gov](mailto:Daniel.Poneman@hq.doe.gov)>; 'roosj@state.gov' <[roosj@state.gov](mailto:roosj@state.gov)>; 'SteinbergJB@state.gov' <[SteinbergJB@state.gov](mailto:SteinbergJB@state.gov)>; McDonough, Denis R.; Avery, Heidi E.; Reed, Richard A.; Kern, Dab; Shapiro, Nicholas S.  
**Cc:** Weber, Michael <[Michael.Weber@nrc.gov](mailto:Michael.Weber@nrc.gov)>; Virgilio, Martin <[Martin.Virgilio@nrc.gov](mailto:Martin.Virgilio@nrc.gov)>; Borchardt, Bill <[Bill.Borchardt@nrc.gov](mailto:Bill.Borchardt@nrc.gov)>; McDermott, Brian <[Brian.McDermott@nrc.gov](mailto:Brian.McDermott@nrc.gov)>; Mamish, Nader <[Nader.Mamish@nrc.gov](mailto:Nader.Mamish@nrc.gov)>  
**Sent:** Wed Mar 16 07:56:00 2011  
**Subject:** RE: [REDACTED] (b)(5)

AM/126

.Chris --

Can you please clarify the status of the attached points: under consideration? about to be issued for USG officials? about to be made public?

Thanks,  
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)

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

From: Miller, Chris [<mailto:Chris.Miller@nrc.gov>]

Sent: Wednesday, March 16, 2011 7:29 AM

To: Miller, Chris; Brennan, John O.; Jaczko, Gregory; 'Daniel.Poneman@hq.doe.gov'; Holdren, John P.; 'roosj@state.gov'; 'SteinbergJB@state.gov'; McDonough, Denis R.; Avery, Heidi E.; Reed, Richard A.; Kern, Dab; Shapiro, Nicholas S.

Cc: Weber, Michael; Virgilio, Martin; Borchardt, Bill; McDermott, Brian; Mamish, Nader; Miller, Chris

Subject:

(b)(5)

## **Weber, Michael**

---

**From:** Weber, Michael  
**Sent:** Thursday, March 17, 2011 7:51 PM  
**To:** OST02 HOC  
**Subject:** FYI - Draft Statement RESENT WITH IMPORTANT WORD DROPOUT CORRECTED IN COVER NOTE  
**Attachments:** Japan reactor statement\_JPHeditsDP.docx

---

**From:** Hayden, Elizabeth  
**Sent:** Sunday, March 13, 2011 3:41 AM  
**To:** Jaczko, Gregory  
**Cc:** Weber, Michael; Burnell, Scott; Brenner, Eliot  
**Subject:** FW: Draft Statement RESENT WITH IMPORTANT WORD DROPOUT CORRECTED IN COVER NOTE

The text of the statement from D. Poneman is much improved and we would like to offer the following comments.

(b)(5)

---

**From:** Weber, Michael  
**Sent:** Sunday, March 13, 2011 3:21 AM  
**To:** Hayden, Elizabeth  
**Subject:** Fw: Draft Statement RESENT WITH IMPORTANT WORD DROPOUT CORRECTED IN COVER NOTE

---

**From:** Jaczko, Gregory  
**To:** Weber, Michael  
**Sent:** Sun Mar 13 03:14:59 2011  
**Subject:** Fw: Draft Statement RESENT WITH IMPORTANT WORD DROPOUT CORRECTED IN COVER NOTE

---

**From:** Poneman, Daniel <Daniel.Poneman@hq.doe.gov>  
**To:** 'Holdren, John P.' <(b)(6)>; Brennan, John O. <(b)(6)>  
D'Agostino, Thomas <Thomas.D'Agostino@nnsa.doe.gov>; Jaczko, Gregory; Lyons, Peter <Peter.Lyons@Nuclear.Energy.gov>  
**Cc:** Shapiro, Nicholas S. <(b)(6)>; Reed, Richard A. <(b)(6)>  
**Sent:** Sun Mar 13 03:10:25 2011  
**Subject:** RE: Draft Statement RESENT WITH IMPORTANT WORD DROPOUT CORRECTED IN COVER NOTE

I had made edits but to avoid dueling drafts defer to John's, since his edits address my principal concerns. Attached are just a couple more tweaks in redline.

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

**From:** Holdren, John P. [mailto: (b)(6)]  
**Sent:** Sunday, March 13, 2011 1:49 AM  
**To:** Brennan, John O.; DAgostino, Thomas; Greg Jaczko (gregory.jaczko@nrc.gov); Poneman, Daniel; Lyons, Peter  
**Cc:** Shapiro, Nicholas S.; Reed, Richard A.  
**Subject:** RE: Draft Statement RESENT WITH IMPORTANT WORD DROPOUT CORRECTED IN COVER NOTE

Colleagues –

(b)(5)

(b)(5)

My cut at it is attached in redline.

(b)(5)

Cheers,  
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:** Brennan, John O.

**Sent:** Sunday, March 13, 2011 12:46 AM

**To:** DAgostino, Thomas; Greg Jaczko (gregory.jaczko@nrc.gov); Holdren, John P.; 'Poneman, Daniel'; 'Lyons, Peter'

**Cc:** Shapiro, Nicholas S.; Reed, Richard A.

**Subject:** Draft Statement

(b)(5)

(b)(5)

Pre-decisional Draft: Not for Release

3/23/11 12:30pm

**Nuclear Technical Advisory Group (NTAG)  
Interagency Conference Call  
Teleconference #5  
12:30pm Wednesday, 23 Mar 2011**

**Fukushima Daiichi Nuclear Power Plant Reactor Status**

**Purpose:** A Nuclear Technical Advisory Group, chaired by the NSS and comprised of more than 25 federal entities, is integrating federal protection efforts in response to the release of radiation in Japan resulting from the March 11 earthquake and tsunami. The group is focused on coordinating detection assets for plume modeling support, ensuring all U.S. responders in Japan are on appropriate departmental dosimetry programs in order to capture any dose for record for long term monitoring; integrating efforts across federal entities to screen and process travelers, equipment, and cargo from the impacted area; and developing guidance for certain protective actions that are unclear or ambiguous.

**Participants:**

1. DHS (NOC, CBP, USCG, Policy, NPPD, DNDO, FEMA)
2. DOC (NOAA)
3. DoD (OSD-HA, OSD-Policy, Joint Staff, AFRRRI, DTRA)
4. DOE
5. DOJ
6. DOL (OSHA)
7. DOT (FAA, Emergency Response)
8. EPA (Ops Center)
9. FBI: (WMDD)
10. HHS (CDC, FDA, NIOSH, ASPER)
11. IHS
12. NRC (PMT)
13. ODNI (NCPC)
14. OSTP
15. State (ISN, FCM)
16. USAID
17. USDA
18. VA (MERRT)

**Facilitator:** COL Julie Bentz, NSS Staff

Next teleconference **Monday, Mar 28 at 3:30pm.** (Call in info and agenda to be provided)

Pre-decisional Draft: Not for Release



**Deputies meeting, Wednesday, Mar 23:**

(b)(5)

**New Due Outs:**

- Ensure all relevant agencies represented on Advisory Team

(b)(5)

**Challenges/Questions; identify lead D/As or D/As need**

(b)(5)

**Pre-decisional Draft: Not for Release**

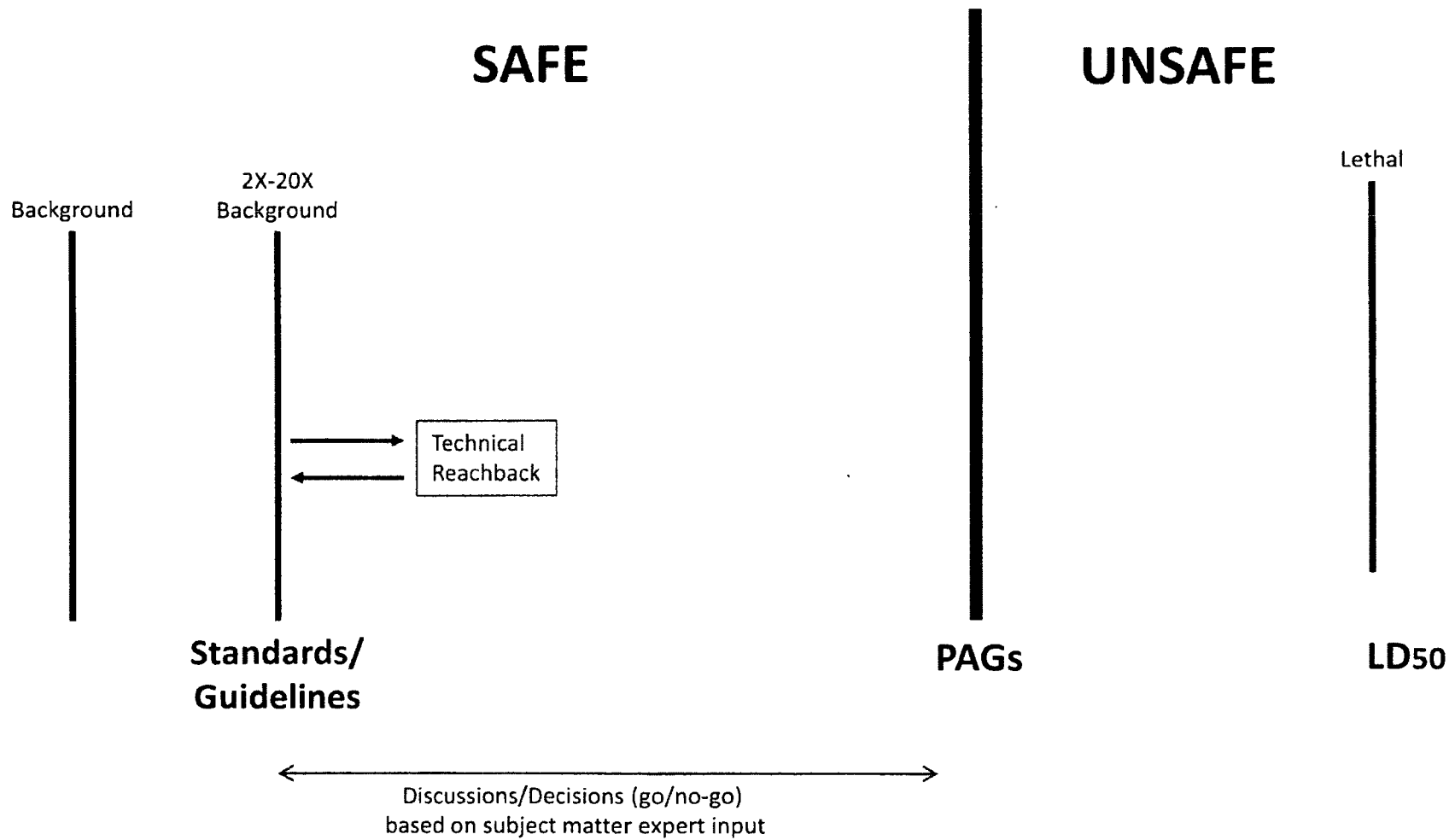
(b)(5)

**Pre-decisional Draft: Not for Release**

**\*\*Phone Numbers\*\***

|                                  |                              |                                         |
|----------------------------------|------------------------------|-----------------------------------------|
| CDC Hotline                      | 770-488-7800                 |                                         |
| USAID Ops                        | 202-712-0039                 | <u>RMTPACTSU DMO@ofda.gov</u>           |
| DOE Ops                          | 202-586-8100                 | <u>nitops@nnsa.doe.gov</u>              |
| DHS NOC                          | 202-282-8101                 |                                         |
| NMCC (DDO)                       | 703-695-0100                 |                                         |
| NMCC Japan Crisis Action Element | 703-614-6172                 |                                         |
| EPA Ops                          | 202.564.3850                 | <u>eoc.epahq@epa.gov</u>                |
| HHS SOC                          | 202-619-7800                 | <u>hhs.soc@hhs.gov</u>                  |
| NRC Ops                          | 301-816-5100                 |                                         |
| DOS Ops                          | 202 -647-4000, #0            |                                         |
| NRC Protective Measures          | 301-816-5419 (Vince Holahan) |                                         |
| JS Japan CME desk number         | 703-614-6702                 |                                         |
| AFRRI                            | 301-295-0267                 |                                         |
| FAA Washington Operations Center | 202-267-3333                 | <u>9-AWA-ASH-WOC@faa.gov</u>            |
| FDA EOC                          | 301-796-8240,                | <u>Emergency.Operations@fda.hhs.gov</u> |

# Standards/Guidelines vs. PAGs



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**From:** PMT09 Hoc  
**Sent:** Friday, March 25, 2011 9:41 PM  
**To:** (b)(6)  
**Subject:** FW: Request for OFFICIAL Statement (on clearance criteria) can you help with POC in  
USG for this?

**Importance:** High

Julie-

We (NRC PMT) are getting a lot of calls/inquiries from DOD facilities (and around n Japan asking for decon/"clearance" values for equipment (see most recent example below). I recall you were working with an agency on this issue? Can you please let us know who would have the lead in USG for this? We can provide helpful advice (e.g. 2-5x background OK for free release) but this is not "Official Guidance" which I think would come from DOD, DOE or EPA...

Thanks  
Cyndi Jones  
PMT Director

--Original Message-----

**From:** Hoc, PMT12  
**Sent:** Friday, March 25, 2011 8:55 PM  
**To:** PMT09 Hoc  
**Subject:** FW: Request for OFFICIAL Statement (Operation Tomadachi)

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

**From:** Sparkman, Steven F CW04 USMC [mailto:(b)(6)]  
**Sent:** Friday, March 25, 2011 8:34 PM  
**To:** Hoc, PMT12  
**Subject:** FW: Request for OFFICIAL Statement (Operation Tomadachi)

Please read below and provide assistance. Thank You.

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

**From:** Sparkman, Steven F CW04 USMC  
**Sent:** Saturday, March 26, 2011 9:24 AM  
**To:** 'opa.resource@nrc.gov'  
**Cc:** JFLCC\_CBRN; USFJ-CAT-RCMT  
**Subject:** Request for OFFICIAL Statement (Operation Tomadachi)

Hello from Yakota Air Base Japan. I am the III MEF (JFLCC, JTF-505) CBRN Officer overseeing the CBRN response for Operation Tomadachi. I need the following from your organization:

1. An OFFICIAL statement telling me what Radiation level I use for

AH/129

decontamination procedures.

a. This would be the level I would use, in relation to the Background reading at the specific location, to determine whether the item is safe, or needs decontamination.

2. Please ensure you send all reading in mRem

Example: Yamagata Japan has a Back ground reading of .019 mRem. The current (most recent) reading at that position is .044 mRem. I need to know if this level requires Decontamination. If it does, what is the level I need to decon it to?

Again, please send all readings in mRem.

There is an immediate need for this, please call DSN: 315-225-6456.

R/S,

Steven F. Sparkman

JFLCC CBRN Officer

III MEF CBRN Officer

225-6456

---

**From:** PMT09 Hoc  
**Sent:** Saturday, March 26, 2011 4:59 PM  
**To:** Tupin, Ed  
**Cc:** PMT09 Hoc; Hoc, PMT12; Bentz, Julie A.; Miller, Charles  
**Subject:** RE: Request for OFFICIAL Statement (on clearance criteria) ED: Pls send guidance.....  
**Importance:** High

Hi Ed-

We are still waiting on this guidance. Can you please send?

Thanks  
Cyndi Jones  
PMT Director  
NRC Ops Center

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

From: Bentz, Julie A. [mailto:(b)(6)]  
Sent: Saturday, March 26, 2011 9:44 AM  
To: Tupin, Ed; Miller, Charles  
Cc: PMT09 Hoc; Hoc, PMT12  
Subject: FW: Request for OFFICIAL Statement (on clearance criteria) can you help with POC in USG for this?  
Importance: High

Ed,

Can you send the final guidance that you've completed for CBP and forward to Cyndi Jones ASAP (and cc me, since I don't have the final draft)?

Julie

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

From: PMT09 Hoc [mailto:PMT09.Hoc@nrc.gov]  
Sent: Friday, March 25, 2011 9:41 PM  
To: Bentz, Julie A.  
Subject: FW: Request for OFFICIAL Statement (on clearance criteria) can you help with POC in USG for this?  
Importance: High

Julie-

We (NRC PMT) are getting a lot of calls/inquiries from DOD facilities and around Japan asking for decon/"clearance" values for equipment (see most recent example below). I recall you were working with an agency on this issue? Can you please let us know who would have the lead in USG for this? We can provide helpful advice (e.g. 2-5x background OK for free release) but this is not "Official Guidance" which I think would come from DOD, DOE or EPA...

Thanks  
Cyndi Jones  
PMT Director

---

**From:** PMT09 Hoc  
**Sent:** Saturday, March 26, 2011 5:02 PM  
**To:** ntz, Julie A.; Tupin, Ed; Miller, Charles  
**Cc:** PMT09 Hoc, Hoc, PMT12  
**Subject:** RE: Request for OFFICIAL Statement (on clearance criteria) can you help with POC in USG for this?

Ed-

We still haven't receive the final guidance as noted below. Can you please send us this??

Thanks  
Cyndi Jones  
PMT Director, NRC Ops Center

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

**From:** Bentz, Julie A. [mailto:(b)(6)]  
**Sent:** Saturday, March 26, 2011 9:44 AM  
**To:** Tupin, Ed; Miller, Charles  
**Cc:** PMT09 Hoc; Hoc, PMT12  
**Subject:** FW: Request for OFFICIAL Statement (on clearance criteria) can you help with POC in USG for this?  
**Importance:** High

Ed,  
Can you send the final guidance that you've completed for CBP and forward to Cyndi Jones ASAP (and cc me, since I don't have the final draft)?  
Julie

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

**From:** PMT09 Hoc [mailto:PMT09.Hoc@nrc.gov]  
**Sent:** Friday, March 25, 2011 9:41 PM  
**To:** Bentz, Julie A.  
**Subject:** FW: Request for OFFICIAL Statement (on clearance criteria) can you help with POC in USG for this?  
**Importance:** High

Julie-

We (NRC PMT) are getting a lot of calls/inquiries from DOD facilities and around Japan asking for decon/"clearance" values for equipment (see most recent example below). I recall you were working with an agency on this issue? Can you please let us know who would have the lead in USG for this? We can provide helpful advice (e.g. 2-5x background OK for free release) but this is not "Official Guidance" which I think would come from DOD, DOE or EPA...

Thanks  
Cyndi Jones  
PMT Director

AH/131



--Original Message-----

From: Hoc, PMT12

Sent: Friday, March 25, 2011 8:55 PM

To: PMT09 Hoc

Subject: FW: Request for OFFICIAL Statement (Operation Tomadachi)

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

From: Sparkman, Steven F CW04 USMC [mailto:

(b)(6)

Sent: Friday, March 25, 2011 8:34 PM

To: Hoc, PMT12

Subject: FW: Request for OFFICIAL Statement (Operation Tomadachi)

Please read below and provide assistance. Thank You.

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

From: Sparkman, Steven F CW04 USMC

Sent: Saturday, March 26, 2011 9:24 AM

To: 'opa.resource@nrc.gov'

Cc: JFLCC\_CBRN; USFJ-CAT-RCMT

Subject: Request for OFFICIAL Statement (Operation Tomadachi)

Hello from Yakota Air Base Japan. I am the III MEF (JFLCC, JTF-505) CBRN Officer overseeing the CBRN response for Operation Tomadachi. I need the following from your organization:

1. An OFFICIAL statement telling me what Radiation level I use for decontamination procedures.
  - a. This would be the level I would use, in relation to the Background reading at the specific location, to determine whether the item is safe, or needs decontamination.
2. Please ensure you send all reading in mRem

Example: Yamagata Japan has a Back ground reading of .019 mRem. The current (most recent) reading at that position is .044 mRem. I need to know if this level requires Decontamination. If it does, what is the level I need to decon it to?

Again, please send all readings in mRem.

There is an immediate need for this, please call DSN: 315-225-6456.

R/S,

Steven F. Sparkman

JFLCC CBRN Officer

III MEF CBRN Officer

225-6456

---

**From:** Zerr, Thomas J. (b)(6)  
**Sent:** Friday, April 08, 2011 11:27 PM  
**To:** LIA07 Hoc  
**Cc:** Bentz, Julie A.; Miller, Charles; Fetter, Steve; Szymanski, John; Mecher, Carter E.; RST01 Hoc  
**Subject:** Re: OUO -- 1800 EDT (April 8, 2011) USNRC Earthquake-Tsunami Update  
  
**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Thanks Sara. A couple of additional questions based on the provided response:

- do the cooling water temps and flow trends explain the decrease of FW temp from 260 to 246? Seems like a possible recording transposition issue getting two exact temp readings down to the tenth of a degree 14 hrs apart with a 15 degree increase in between.
- does the NRC assess the torus rad readings as accurate or is that instrument reliability of concern as well?
- what would a significant increase at the DW with a relatively constant torus level indicate?
- was the tepco test of the DW instrument conducted when the reading was 18K? Does the instrument still show malfunctioning at the 6830 reading?
- are there any external rad readings near unit 1 that correspond to the suspect increases in level reading at the DW?

Thanks for looking into this,  
TJ

---

**From:** LIA07 Hoc <LIA07.Hoc@nrc.gov>  
**To:** Zerr, Thomas J.  
**Cc:** Bentz, Julie A.; Miller, Charles; Fetter, Steve; Szymanski, John; Mecher, Carter E.; RST01 Hoc <RST01.Hoc@nrc.gov>  
**Sent:** Fri Apr 08 21:10:58 2011  
**Subject:** RE: OUO -- 1800 EDT (April 8, 2011) USNRC Earthquake-Tsunami Update

Mr. Zerr,

I passed your question to our Reactor Safety Team (RST). They put together the attached spreadsheet to provide details on the changed parameters that you noted.

In short, these trends are not a concern to the RST, because the operable condition of the instrumentation is in question, and the validity of the readings is questionable.

Please let me know if you have any additional questions.

Thank you,

Sara

Sara K. Mroz  
Executive Briefing Team Coordinator  
Office of Nuclear Security and Incident Response  
US Nuclear Regulatory Commission  
[LIA07.HOC@nrc.gov](mailto:LIA07.HOC@nrc.gov) (Operations Center)

---

**From:** Zerr, Thomas J. [mailto:(b)(6)]  
**Sent:** Friday, April 08, 2011 7:00 PM  
**To:** LIA07 Hoc

AH/132

**Cc:** Bëntz, Julie A.; Miller, Charles; Fetter, Steve; Szymanski, John; Mecher, Carter E.

**Subject:** Re: OUC -- 1800 EDT (April 8, 2011) USNRC Earthquake-Tsunami Update

NRC-

Noticed some of the parameters in Unit 1 have changed a good bit from Wednesday:

WEDS: Today

FW temp 217 C 250 C

Rad DW 3100R/hr 6830R/hr

Rad Tor 840 R/hr 1220R/hr

Is there an explanation of this? I know the earthquake happened but all reports were ops normal after the quake.

TJ

NSS

---

**From:** LIA07 Hoc <LIA07.Hoc@nrc.gov>

**Sent:** Fri Apr 08 17:57:29 2011

**Subject:** OUC -- 1800 EDT (April 8, 2011) USNRC Earthquake-Tsunami Update

Attached, please find a 1800 EDT, April 8, 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

Executive Briefing Team Coordinator

Office of Nuclear Security and Incident Response

US Nuclear Regulatory Commission

LIA07.HOC@nrc.gov (Operations Center)

OFFICIAL USE ONLY

**Response to Email Inquiry on Unit 1 Temp and Radiation Variations**

| Date/Time (Japan?) | U1 FW Nozzle Temp | Source                           |
|--------------------|-------------------|----------------------------------|
| 4/5/2011, 06:00    | 233.5             | JAIF and NISA (4/5 13:00 report) |
| 4/6/2011, 00:00    | 221.6             | JAIF and NISA (4/6 05:00 report) |
| 4/7/2011, 06:00    | 216.3             | NISA Press Release 78            |
| 4/7/2011, 12:00    | 223.8             | NISA Press Release 79            |
| 4/8/2011, 00:00    | 246.6             | NISA (4/8)                       |
| 4/8/2011, 06:00    | 260.7             | NISA Press Release 80            |
| 4/8/2011, 14:00    | 246.6             | NISA Press Release 81            |

Note: Nitrogen Inerting started at 01:30 am JPT on 4/7 this corresponds to the drop in temp.

| Date/Time (EDT) | U1 Radiation DW in<br>R/hr | U1 Radiation Torus<br>in R/hr | Source                   |
|-----------------|----------------------------|-------------------------------|--------------------------|
| 4/5/2011, 14:30 | 3830                       | 1340                          | TEPCO 4/4 for both       |
| 4/5/2011, 21:30 | 3110                       | 840                           | TEPCO 4/6 for both       |
| 4/6/2011, 03:00 | 3110                       | 840                           | TEPCO 4/6 for both       |
| 4/6/2011, 09:30 | 3110                       | 840                           | TEPCO 4/6 and NISA 4/6   |
| 4/6/2011, 14:00 | 3100                       | 801                           | TEPCO 4/6 and NISA 4/6   |
| 4/6/2011, 21:20 | 3080                       | 1290                          | TEPCO 4/7 and NISA 4/6   |
| 4/7/2011, 03:00 | 3080                       | 1290                          | TEPCO 4/7 and NISA 4/6   |
| 4/7/2011, 07:00 | 3080                       | 1290                          | TEPCO 4/7 and NISA 4/6   |
| 4/7/2011, 14:00 | 3080                       | 1290                          | TEPCO 4/7 and NISA 4/6   |
| 4/8/2011, 03:00 | 18000                      | 1290                          | TEPCO 4/7 and NISA 4/6   |
| 4/8/2011, 09:40 | 18000                      | 1290                          | TEPCO 4/7 and NISA 4/6   |
| 4/8/2011, 11:50 | 10000                      | 1270                          |                          |
| 4/8/2011, 13:50 | 6830                       | 1220                          | NISA 4/8, 14:00 for both |

Per the Site Team in Japan, the DW radiation monitor was trending up after the Earthquake. INPO attributes the readings to failed instruments. TEPCO technicians tested the instrument,

---

**From:** LIA08 Hoc  
**Sent:** Saturday, March 26, 2011 10:38 PM  
**To:** RST01 Hoc; Hoc, PMT12; Brenner, Eliot  
**Cc:** LIA06 Hoc; ET05 Hoc  
**Subject:** Action from Marty Virgilio: Need records documenting completion of tasks from White House Situation Room  
**Attachments:** WH Deputies Meeting ---NRC Tasks as of 3 26 2011.docx  
**Importance:** High

Hey guys,

This should not take long but it will require a review of the Task Tracker, Log entries, and Chronology entries for your teams.

Please refer to the attached file. The "Summaries" identify actions that I believe we have taken over the last two weeks and need to identify the records in our logs to demonstrate that they have been completed.

PMT has 4 actions and [REDACTED] (for support functions, others have the lead but we are asked to provide documentation on our support activities)

RST has [REDACTED]

OPA has [REDACTED]

Please identify the source of documentation that can be referenced to track completion of NRC actions and provide those references and copies of the closure documentation to the LT Coordinator by 5:00 pm next Tuesday. Any actions or support activities that are in process should be reported as such. The LT will compile all of the information into a report that will be provided to Marty mid-week next week.

Many thanks in advance for your support,  
Rani Franovich  
Liaison Team Coordinator

The following are taskings from the Deputies Committee Meetings for the NRC:

(b)(5)

(b)(5)



(b)(5)

NRC Action is in 2<sup>nd</sup> bullet, top bullet is related, but there is no action

(b)(5)

(b)(5)

---

**From:** Ross-Lee, MaryJane  
**Sent:** Saturday, March 26, 2011 1:22 PM  
**To:** LIA06 Hoc; ET05 Hoc; Hoc, PMT12  
**Subject:** FW: Deputies Meeting...  
**Attachments:** WH Deputies Due Outs updated.docx

The action in the second bullet has been completed. It is called the MELCOR Trans-Pacific run.

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**From:** LIA06 Hoc  
**Sent:** Saturday, March 26, 2011 1:03 PM  
**To:** Ross-Lee, MaryJane  
**Subject:** Deputies Meeting...

MJ.. we found one more... attached.. but no others.. Mike

Liaison Team Director  
U.S. Nuclear Regulatory Commission  
Operations Center

NRC Action is in 2<sup>nd</sup> bullet, top bullet is related, but no action.

(b)(5)

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**From:** Bentz, Julie A. (b)(6)  
**Sent:** Saturday, March 26, 2011 9:44 AM  
**To:** Tupin, Ed; Miller, Charles  
**Cc:** PMT09 Hoc; Hoc, PMT12  
**Subject:** FW: Request for OFFICIAL Statement (on clearance criteria) can you help with POC in USG for this?

**Importance:** High

Ed,  
Can you send the final guidance that you've completed for CBP and forward to Cyndi Jones ASAP (and cc me, since I don't the final draft)?  
Julie

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

**From:** PMT09 Hoc [mailto:PMT09.Hoc@nrc.gov]  
**Sent:** Friday, March 25, 2011 9:41 PM  
**To:** Bentz, Julie A.  
**Subject:** FW: Request for OFFICIAL Statement (on clearance criteria) can you help with POC in USG for this?  
**Importance:** High

Julie-

We (NRC PMT) are getting a lot of calls/inquiries from DOD facilities and around n Japan asking for decon/"clearance" values for equipment (see most recent example below). I recall you were working with an agency on this issue? Can you please let us know who would have the lead in USG for this? We can provide helpful advice (e.g. 2-5x background OK for free release) but this is not "Official Guidance" which I think would come from DOD, DOE or EPA...

Thanks  
Cyndi Jones  
PMT Director

--Original Message-----

**From:** Hoc, PMT12  
**Sent:** Friday, March 25, 2011 8:55 PM  
**To:** PMT09 Hoc  
**Subject:** FW: Request for OFFICIAL Statement (Operation Tomadachi)

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

**From:** Sparkman, Steven F CW04 USMC [mailto:(b)(6)]  
**Sent:** Friday, March 25, 2011 8:34 PM  
**To:** Hoc, PMT12  
**Subject:** FW: Request for OFFICIAL Statement (Operation Tomadachi)

Please read below and provide assistance. Thank You.

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

From: Sparkman, Steven F CW04 USMC

Sent: Saturday, March 26, 2011 9:24 AM

To: 'opa.resource@nrc.gov'

Cc: JFLCC\_CBRN; USFJ-CAT-RCMT

Subject: Request for OFFICIAL Statement (Operation Tomadachi)

Hello from Yakota Air Base Japan. I am the III MEF (JFLCC, JTF-505) CBRN Officer overseeing the CBRN response for Operation Tomadachi. I need the following from your organization:

1. An OFFICIAL statement telling me what Radiation level I use for decontamination procedures.
  - a. This would be the level I would use, in relation to the Background reading at the specific location, to determine whether the item is safe, or needs decontamination.
2. Please ensure you send all reading in mRem

Example: Yamagata Japan has a Back ground reading of .019 mRem. The current (most recent) reading at that position is .044 mRem. I need to know if this level requires Decontamination. If it does, what is the level I need to decon it to?

Again, please send all readings in mRem.

There is an immediate need for this, please call DSN: 315-225-6456.

R/S,

Steven F. Sparkman

JFLCC CBRN Officer

III MEF CBRN Officer

225-6456

**From:** Brenner, Eliot  
**To:** Burnell, Scott; McIntyre, David; Hayden, Elizabeth; Harrington, Holly  
**Subject:** ratcheting up our effort slightly  
**Date:** Saturday, March 12, 2011 10:23:56 PM

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We may start talking off the record or on background more tomorrow with reporters. Both Jackzo and I are leaning heavily on the white house to get off the dime. If we see Bill Nye the Science Guy much more Jackzo is going to tell us to start pushing more background work.

eliot

AH/136



**Lee, Richard**

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**From:** Gauntt, Randall O [rogaunt@sandia.gov]  
**Sent:** Wednesday, April 20, 2011 10:55 PM  
**To:** Lee, Richard; Salay, Michael; Mitman, Jeffrey  
**Cc:** Tinkler, Charles  
**Subject:** FW: High concentration of Cs-137 found in Unit 2 pool  
**Attachments:** F2-pool.txt; 1F2 Pool Cooling Years.pdf

Jeff,

You all might be interested in my assessment of the Unit 2 SFP measurements. I was following up on Steve Fetter's evaluation.

randy

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**From:** Gauntt, Randall O  
**Sent:** Wednesday, April 20, 2011 8:33 PM  
**To:** (b)(6)  
**Subject:** FW: High concentration of Cs-137 found in Unit 2 pool

Excellent analysis Steve.

(b)(5)

If I did the numbers right, each assembly of 105-day offload fuel has about 63,000 Curies and with 112 assemblies indicated at 0 years, would come to a potential of 7E6 Curies.

The way the fuel was offloaded, clustered together like they are, our MELCOR code would predict release of ~80% of that inventory in a Zr-fire. Once initiated, the fire generally goes to completion until Zr metal is converted to oxide. So a fire would likely result in orders of magnitude large cesium content that measured.

Perhaps the observations are representative of some mechanical damage and leaching out of Cs content in any of the fuel assemblies, old or new, and some additional fallout of recent reactor releases to get the iodine ratio up.

best regards

Randall Gauntt  
Sandia National Laboratories

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**From:** Lee, Richard [Richard.Lee@nrc.gov]  
**Sent:** Wednesday, April 20, 2011 4:27 PM  
**To:** Esmaili, Hossein; Gauntt, Randall O; Gauntt, Randy (home); Salay, Michael  
**Subject:** FW: High concentration of Cs-137 found in Unit 2 pool

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**From:** Fetter, Steve [mailto:(b)(6)]  
**Sent:** Wednesday, April 20, 2011 6:03 PM  
**To:** DL-NITSolutions  
**Subject:** High concentration of Cs-137 found in Unit 2 pool

(b)(5)

(b)(5)