

**Balarabe, Sarah**

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**From:** Ruland, William  
**Sent:** Saturday, March 12, 2011 7:30 PM  
**To:** 'jerald.head@ge.com'  
**Subject:** Re: Confusing NRC Diagram

Thanks for the heads up!  
Bill Ruland, from  
USNRC Blackberry

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**From:** Head, Jerald G (GE Power & Water) <jerald.head@ge.com>  
**To:** Ruland, William  
**Cc:** Campbell, Patricia L (GE Power & Water) <patriciaL.campbell@ge.com>  
**Sent:** Sat Mar 12 16:38:04 2011  
**Subject:** Confusing NRC Diagram

Bill,

We've gotten some feedback from the public that the BWR diagrams presented on the NRC website (<http://www.nrc.gov/reactors/bwrs.html> and <http://www.nrc.gov/reading-rm/basic-ref/students/animated-bwr.html>) are confusing, especially if used to try to explain the explosion at Fukushima. We recommend updating your website to also point to this diagram (<http://www.nei.org/howitworks/boiling-water-reactor-design>) as it better reflects the relationship among the reactor pressure vessel (RPV), containment, and the reactor building.

I know you aren't in charge of the website but hoped you could get this to someone that could help prevent further confusion of the public on the design of BWRs.

**Jerry Head**  
Senior Vice President  
Regulatory Affairs  
GE Hitachi Nuclear Energy

T +1 910 819 5692  
F +1 910 341 2797  
M (b)(6)  
E jerald.head@ge.com

*[Handwritten signature]* etb

3901 Castle Hayne Road  
P.O. Box 780, M/C A18  
Wilmington, NC 28402

0/1

**Shannon, Valerie**

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**From:** OPA Resource  
**Sent:** Sunday, March 13, 2011 8:29 AM  
**To:** McIntyre, David  
**Subject:** FW: Radiation Question

-----Original Message----- <sup>Ex6</sup>

From: (b)(6) <sup>Ex6</sup>  
Sent: Saturday, March 12, 2011 8:29 PM  
To: OPA Resource  
Subject: Radiation Question

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

(b)(6) <sup>Ex6</sup> on Saturday, March 12, 2011 at 20:28:35

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comments: We live in Western (b)(6) and see what is going on in Japan.....should we be concerned with fallout if the situation deteriorates in Japan with the containment of these reactors that are not stable?? If so I've called around and have not been able to secure an Potassium Iodide so what should we do??

contactName: Brian D. Phillips  
phone: (b)(6) <sup>Ex6</sup>

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0/2

**Shannon, Valerie**

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**From:** OPA Resource  
**Sent:** Sunday, March 13, 2011 9:31 AM  
**To:** McIntyre, David  
**Subject:** FW: Preparedness:if Emergency Japan nuclear reactor Meldown & Plume to US. - who distributes provides necessary Interventions ?

**From:** Rosalind Brooks (b)(6) Ex 6  
**Sent:** Saturday, March 12, 2011 10:33 PM  
**To:** OPA Resource  
**Cc:** (b)(6) Ex 6  
**Subject:** Preparedness:if Emergency Japan nuclear reactor Meldown & Plume to US. - who distributes provides necessary Interventions ?

TO: NRC - EMERGENCY Preparedness , Nuclear Meltdown Risk -  
If Reactor Meltdown and Radiation Plume to US (36 HRS, ) who where when - Provides needed protection /antidotes/treatment  
in US communities....You/NRC - FEMA - RED CROSS, such as potassium iodine etc.

Do you have these medications to protect thyroid etc. of citizenry already distributed to our cities, emergency medical resources, first responders, hospitals etc. ??

I am a social worker and people are asking me. Not certain that Japan authorities, leaders telling the whole Truth re: status troubled Units & Growing !

Sincerely, Rosalind Brooks, MSW - (b)(6)  
(b)(6) Ex 6

Ex 6

**Shannon, Valerie**

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**From:** OPA Resource  
**Sent:** Sunday, March 13, 2011 9:31 AM  
**To:** McIntyre, David  
**Subject:** FW: china-syndrome-japan

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

From: Jack Paulden ((b)(6)) Ex6  
Sent: Saturday, March 12, 2011 9:22 PM  
To: OPA Resource  
Subject: china-syndrome-japan

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

Jack Paulden ((b)(6)) Ex6 on Saturday, March 12, 2011 at 21:21:39  
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comments: I was 12 years old when my father took me to Dounreay in Northern Scotland. It was a breeder type fast-reactor...I recall him telling me they used mercury as the primary coolant and heavy water(deuterium) as the secondary coolant. I grew up with a healthy respect for Nuclear Power Plants, until Chernobyl. What concerns me about the current situation in Japan is that this seems to be an event that was not anticipated; in other words an event that Japans current nuclear power plants are not engineered to handle, although to date they have not yet lost the ship..so to speak..

Do we have nuclear power plants within similar proximity of tectonic plate fault lines that are as vulnerable...Can we handle such a major event?

regards,

Jack Paulden

((b)(6)) Ex6

organization: individual

address1:

address2:

city: ((b)(6))

state: ((b)(6))

zip: ((b)(6))

country: ((b)(6))

phone:

-----

**From:** Johnson, Michael  
**To:** "Derek.Lacey@hse.gsi.gov.uk"; "Dave.Watson@hse.gsi.gov.uk"  
**Cc:** "Len.Creswell@hse.gsi.gov.uk"; Holahan, Gary  
**Subject:** Re: usnrc contacts  
**Date:** Sunday, March 13, 2011 12:03:04 PM

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Thanks.  
From my blackberry.

**From:** Derek.Lacey@hse.gsi.gov.uk <Derek.Lacey@hse.gsi.gov.uk>  
**To:** Dave.Watson@hse.gsi.gov.uk <Dave.Watson@hse.gsi.gov.uk>; Johnson, Michael  
**Cc:** Len.Creswell@hse.gsi.gov.uk <Len.Creswell@hse.gsi.gov.uk>  
**Sent:** Sun Mar 13 12:01:03 2011  
**Subject:** RE: usnrc contacts

We have established contact between the two response centres (i.e. HSE/NII and USNRC) and there has been initial transfer of data.

Regards

Derek

**From:** Dave Watson  
**Sent:** 13 March 2011 15:54  
**To:** 'Michael.Johnson@nrc.gov'  
**Cc:** Derek Lacey; Len Creswell  
**Subject:** Re: usnrc contacts

Thank you michael.  
I'm copying this to Derek Lacey who is leading our incident response at present.  
DW

**From:** Johnson, Michael  
**To:** Dave Watson  
**Sent:** Sun Mar 13 14:55:13 2011  
**Subject:** Re: usnrc contacts

We do. It is being led through our incident response function. We will look for an opportunity to share info regarding our approach and insights in the coming days.  
From my blackberry.

**From:** Dave.Watson@hse.gsi.gov.uk <Dave.Watson@hse.gsi.gov.uk>  
**To:** Johnson, Michael  
**Sent:** Sun Mar 13 10:27:17 2011  
**Subject:** Fw: usnrc contacts

**From:** Dave Watson  
**To:** 'gary.holahan@nrc.gov'; 'mike.johnson@nrc.gov'  
**Sent:** Sun Mar 13 14:22:44 2011  
**Subject:** Fw: usnrc contacts

0/5

Mike / Gary

We have a team set up following events in japan. Do you have similar? It would be helpful to share info / ideas.

Thanks

Dave Watson

NII

**From:** Len Creswell

**To:** Derek Lacey

**Cc:** Kevin Allars; Colin Patchett; Peter Addison; Dave Watson

**Sent:** Sun Mar 13 13:34:14 2011

**Subject:** RE: usnrc contacts

Derek

Our main option should be via the international contact links - hence I've copied Peter Addison in who should be able to identify/give a link.

In the meantime I'll email Bill Borchart and Eric Leeds and ask for a contact point.

Len

Len Creswell

Nuclear Directorate, Health & Safety Executive

4N.G Redgrave Court, Merton Road, Bootle, L20 7HS

Tel:-0151 951 3376

VPN: (b)(6)

e-mail: [len.creswell@hse.gsi.gov.uk](mailto:len.creswell@hse.gsi.gov.uk)

*To find out more about Generic Design Assessment (GDA) - log onto*

[www.hse.gov.uk/newreactors/index.htm](http://www.hse.gov.uk/newreactors/index.htm)

*Receive the latest news and information on GDA - subscribe to our free e:mail bulletin -*

<http://www.hse.gov.uk/newreactors/ebulletin.htm>

**From:** Derek Lacey

**Sent:** 13 March 2011 13:21

**To:** Kevin Allars; Colin Patchett; Len Creswell

**Subject:** usnrc contacts

Is anybody able to establish a contact with usnrc to allow us to share information on our assessment of events in Japan

Derek

.....  
Please note : Incoming and outgoing email messages are routinely monitored for compliance with our policy on the use of electronic communications and may be automatically logged, monitored and / or recorded for lawful purposes by the GSI service provider.

Interested in Occupational Health and Safety information?

Please visit the HSE website at the following address to keep yourself up to date

www.hse.gov.uk

Or contact the HSE Infoline on 0845 345 0055 or email [hse.infoline@natbrit.com](mailto:hse.infoline@natbrit.com)

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The original of this email was scanned for viruses by the Government Secure Intranet virus scanning service supplied by Cable&Wireless Worldwide in partnership with MessageLabs. (CCTM Certificate Number 2009/09/0052.) On leaving the GSi this email was certified virus free.

Communications via the GSi may be automatically logged, monitored and/or recorded for legal purposes.

This email was received from the INTERNET and scanned by the Government Secure Intranet anti-virus service supplied by Cable&Wireless Worldwide in partnership with MessageLabs. (CCTM Certificate Number 2009/09/0052.) In case of problems, please call your organisation's IT Helpdesk.

Communications via the GSi may be automatically logged, monitored and/or recorded for legal purposes.

The original of this email was scanned for viruses by the Government Secure Intranet virus scanning service supplied by Cable&Wireless Worldwide in partnership with MessageLabs. (CCTM Certificate Number 2009/09/0052.) On leaving the GSi this email was certified virus free.

Communications via the GSi may be automatically logged, monitored and/or recorded for legal purposes.

**Broaddus, Doug**

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**From:** Broaddus, Doug  
**Sent:** Monday, March 14, 2011 7:33 PM  
**To:** Paige, Jason; Orf, Tracy; Saba, Farideh  
**Subject:** Need Design Basis information for costal plants

**Importance:** High

All

Joe Giitter gave me a heads up a few minutes ago that we will be receiving a quick turn around action tomorrow morning for all costal plants as a result of the unfolding situation in Japan. We likely will get a formal request in the morning to provide tsunami and seismic design basis information from the FSAR for all coatal plants. Initial indication is that the informarion will need to be provided by noon tomorrow. These are all the details I have at this time. I wanted to give you an early heads up to be ready when we receive the formal request. I will pass on more when I get it in the morning.

Doug

Sent from an NRC Blackberry  
Doug Broaddus

(b)(6)

0/6



**Steger (Tucci), Christine**

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**From:** Steger (Tucci), Christine  
**Sent:** Monday, March 14, 2011 5:05 PM  
**To:** Couret, Ivonne  
**Subject:** KGVO Radio (Montana)

Call from: Peter Christian  
Organization: KGVO Radio (Montana)  
Number: (Cell: (b)(6) Ex 6  
Recording: 406-251-2810 → Ex 6

Interview request today or tomorrow.

**Shannon, Valerie**

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**From:** Shannon, Valerie  
**Sent:** Tuesday, March 15, 2011 12:21 PM  
**To:** 'Ivonne Couret'  
**Subject:** call

Please call Marsha Snyder from (b)(6)  
Phone Number (b)(6) Ex 6  
Re: (b)(6)  
E-mail: (b)(6)  
Val

0/8

## Beasley, Benjamin

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**From:** Beasley, Benjamin  
**Sent:** Tuesday, March 15, 2011 11:48 AM  
**To:** Ake, Jon; Munson, Clifford; Kammerer, Annie; Murphy, Andrew  
**Cc:** Kauffman, John; Stutzke, Martin  
**Subject:** FW: draft responses to NBC  
**Attachments:** NBC\_questions.docx

**Importance:** High

Jon, et. al.

Thanks Jon for your answers. At the request of NRR/DE, I contacted OPA and am assembling the responses. Please send me your input as soon as possible. I received input from Kamal on the timeline.

Ben Beasley

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

**From:** Stutzke, Martin  
**Sent:** Tuesday, March 15, 2011 11:40 AM  
**To:** Beasley, Benjamin  
**Subject:** FW: draft responses to NBC  
**Importance:** High

Looks like RES/DE, et. al. have developed responses as well (see attached). Who's on first?!

Marty

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

**From:** Ake, Jon  
**Sent:** Tuesday, March 15, 2011 11:09 AM  
**To:** Stutzke, Martin; Munson, Clifford  
**Cc:** Murphy, Andrew  
**Subject:** draft responses to NBC

Marty, Cliff and Andy-

Here is my first pass at answers to these questions, please revise as you see fit, let me know if we need more, I don't know how to answer the question on timeline.....

I have these questions:

1. I'd like to make sure that I accurately place in layman's terms the seismic hazard estimates. I need to make sure that I'm understanding the nomenclature for expressing the seismic core-damage frequencies. Let's say there's an estimate expressed as "2.5E-06." (I'm looking at Table D-2 of the safety/risk assessment of August 2010.) I believe that this expression means the same as  $2.5 \times 10^{-06}$ , or 0.0000025, or 2.5 divided by one million. In layman's terms, that means an expectation, on average, of 2.5 events every million years, or once every 400,000 years. Similarly, "2.5E-05" would be 2.5 divided by 100,000, or 2.5 events every 100,000 years, on average, or once every 40,000 years. Is this correct?

A1: Yes, at least partly. In the subject documents the frequencies for core damage or ground motion exceedance have been expressed in the form "2.5E-06". As you noted this is equivalent to  $2.5 \times 10^{-6}$ , or 0.000025 *per year*. If, for example, the core damage frequency was estimated as 2.5E-06, this would be equivalent to an expectation of 2.5 divided by a million *per year*. It is not really correct to think of these values as "once every 400,000 years".

2. These documents give updated probabilistic seismic hazard estimates for existing nuclear power plants in the Central and Eastern U.S. What document has the latest seismic hazard estimates (probabilistic or not) for existing nuclear power plants in the Western U.S.?

A2: At this time the staff has not formally developed updated probabilistic seismic hazard estimates for the existing nuclear power plants in the Western U.S. NRC staff has continued to stay abreast of the latest research on seismic hazards in the Western U.S. and interface with colleagues at the U.S. Geological Survey. The focus of Generic Issue 199 has been on the CEUS. However, the Information Notice that summarized the results of the Safety/Risk Assessment was sent to all existing reactor licensees. The documents that summarize existing hazard estimates are contained in the FSARS and in the IPEEE submittals.

3. The documents refer to newer data on the way. Have NRC, USGS et al. released those? I'm referring to this: "New consensus seismic-hazard estimates will become available in late 2010 or early 2011 (these are a product of a joint NRC, U.S. Department of Energy, U.S. Geological Survey (USGS) and Electric Power Research Institute (EPRI) project). These consensus seismic hazard estimates will supersede the existing EPRI, Lawrence Livermore National Laboratory, and USGS hazard estimates used in the GI-199 Safety/Risk Assessment."

A3: The new consensus hazard curves are being developed in a cooperative project that has NRC, U.S. Department of Energy, U.S. Geological Survey (USGS) and Electric Power Research Institute (EPRI) participation. The title is: the Central and Eastern U.S. Seismic Source Characterization (CEUS-SSC) project. The project is being conducted following comprehensive standards to ensure quality and regulatory defensibility. It is in its final phase and is expected to be released in the fall of 2011.

The project manager is Larry Salamone ([Lawrence.salamone@srs.gov](mailto:Lawrence.salamone@srs.gov), 803-645-9195) and the technical lead on the project is Dr. Kevin Coppersmith (b)(6)

(b)(6)

4. What is the timetable now for consideration of any regulatory changes from this research?

**A4:** The next step in this process is to finalize a Generic Letter to be sent to all operating power reactor licensees in the CEUS requesting additional information. That letter is currently being drafted and will be finalized in the upcoming months.

**Shannon, Valerie**

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**From:** Shannon, Valerie  
**Sent:** Wednesday, March 16, 2011 7:55 AM  
**To:** Landau, Mindy  
**Subject:** Call

Please call Camila Saldarriaga

From: W-Radio in Miami (affiliated with CNN)

Phone Number: 305-285-2461 or cell (b)(6) Ex 6

## Shannon, Valerie

---

**From:** Shannon, Valerie  
**Sent:** Wednesday, March 16, 2011 9:09 AM  
**To:** Harrington, Holly  
**Subject:** RE: Hearing Today

Eliot asked me to order a transcript for him from Federal News Service which I have done.  
Val

---

**From:** Harrington, Holly  
**Sent:** Wednesday, March 16, 2011 9:05 AM  
**To:** Brenner, Eliot; Shannon, Valerie; Akstulewicz, Brenda; Burnell, Scott; Hayden, Elizabeth; Couret, Ivonne; Janbergs, Holly; McIntyre, David  
**Subject:** RE: Hearing Today

Asked AV to tape. Waiting to hear back

---

**From:** Brenner, Eliot  
**Sent:** Wednesday, March 16, 2011 9:02 AM  
**To:** Shannon, Valerie; Akstulewicz, Brenda; Burnell, Scott; Harrington, Holly; Hayden, Elizabeth; Couret, Ivonne; Janbergs, Holly; McIntyre, David  
**Subject:** Re: Hearing Today

Staff: pls monitor. We may commit lots of news.

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

(C: (b)(6)) Ex 6  
Sent from my Blackberry

---

**From:** Shannon, Valerie  
**To:** Akstulewicz, Brenda; Brenner, Eliot; Burnell, Scott; Harrington, Holly; Hayden, Elizabeth; Couret, Ivonne; Janbergs, Holly; McIntyre, David  
**Sent:** Wed Mar 16 08:59:34 2011  
**Subject:** Hearing Today

FYI,  
The hearing at 9:30 today can be viewed on C-Span 3 which is channel 39 (NRC Broadband)  
Val

**Wittick, Susan**

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**From:** Wittick, Susan  
**Sent:** Wednesday, March 16, 2011 9:58 AM  
**To:** Burnell, Scott  
**Subject:** RE: Later media  
**Attachments:** 11\_16\_Media\_Advisory.docx

Draft attached.  
Susan

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

**From:** Burnell, Scott  
**Sent:** Wednesday, March 16, 2011 9:36 AM  
**To:** Harrington, Holly; Brenner, Eliot; Wittick, Susan  
**Subject:** RE: Later media

I'm asking Susan to draft.

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

**From:** Harrington, Holly  
**Sent:** Wednesday, March 16, 2011 9:31 AM  
**To:** Brenner, Eliot; Burnell, Scott  
**Subject:** RE: Later media

Scott -- I can send you glenn to help or can Susan do this?

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

**From:** Brenner, Eliot  
**Sent:** Wednesday, March 16, 2011 9:27 AM  
**To:** Harrington, Holly; Burnell, Scott  
**Subject:** Later media

Someone please draft a short media advisory for later use to effect that chairman and borchadt will be available for interviews at 400 , capitol. Contact thru opa for relay to me. Will probably go first to cnn then to north captiol.

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

(C(b)(6) Ex 6  
Sent from my Blackberry



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OPA

**D R A F T PRESS RELEASE**

(Source: CHRMN)

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**MEDIA ADVISORY: NRC CHAIRMAN INTERVIEW AVAILABILITY TODAY**

The NRC has announced that Chairman Gregory Jaczko and Executive Director of Operations William Borchardt will be available for interviews at 4:00 p.m. in Washington, DC, to discuss the NRC's position related to the current situation in Japan.

For further information, contact the NRC Office of Public Affairs at 301-415-8200.

###

**Deavers, Ron**

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**From:** Bonaccorso, Amy  
**Sent:** Wednesday, March 16, 2011 11:05 AM  
**To:** Harrington, Holly; Akstulewicz, Brenda; Royer, Deanna  
**Cc:** Deavers, Ron  
**Subject:** FW: Public Inquiries

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

FYI – I know Harold and will talk to him – the line has been busy for 20 minutes. Deanna – let me know if he calls back.

**From:** Deavers, Ron  
**Sent:** Wednesday, March 16, 2011 10:52 AM  
**To:** Bonaccorso, Amy  
**Subject:** RE: Public Inquiries

I took care of ~~John Searcy~~

**From:** Bonaccorso, Amy  
**Sent:** Wednesday, March 16, 2011 10:49 AM  
**To:** Deavers, Ron  
**Subject:** FW: Public Inquiries

I know Harold and am trying to reach him – his line is busy. He is probably talking to someone else. I'll just have to keep trying.

**From:** Royer, Deanna  
**Sent:** Wednesday, March 16, 2011 10:37 AM  
**To:** Deavers, Ron; Bonaccorso, Amy  
**Subject:** Public Inquiries

Harold Denton  
(b)(6)

John Saercy  
(b)(6)

home  
cell

Re: Imported food – how is the marine life affected

Deanna Royer  
Contract Secretary  
Division of New Reactor Licensing  
(301) 415-7158  
[Deanna.Royer@nrc.gov](mailto:Deanna.Royer@nrc.gov)

**Deavers, Ron**

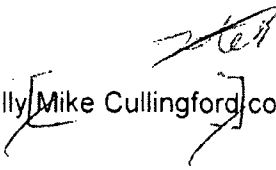
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**From:** Harrington, Holly  
**Sent:** Wednesday, March 16, 2011 5:01 PM  
**To:** Akstulewicz, Brenda; Bonaccorso, Amy  
**Cc:** Deavers, Ron  
**Subject:** RE: Public Inquiries-Mark I designs

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

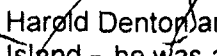
I personally do not feel that he needs a call back

**From:** Akstulewicz, Brenda  
**Sent:** Wednesday, March 16, 2011 4:42 PM  
**To:** Bonaccorso, Amy; Harrington, Holly  
**Cc:** Deavers, Ron  
**Subject:** RE: Public Inquiries-Mark I designs

NRR is probably who you would contact about that. Potentially  Mike Cullingford could steer you to the right person.

**From:** Bonaccorso, Amy  
**Sent:** Wednesday, March 16, 2011 11:41 AM  
**To:** Harrington, Holly; Akstulewicz, Brenda  
**Cc:** Deavers, Ron  
**Subject:** RE: Public Inquiries

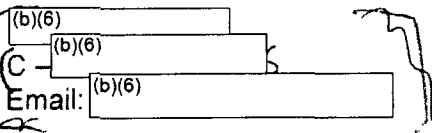
Folks:

 Harold Denton and I talked. He is well known for his role as spokesperson for the NRC during Three Mile Island - he was also the person provided daily reports to Pres. Jimmy Carter. He's been calling all over NRC....talked to Brian Sheron last night.

He is being besieged with media inquiries due to comments in made in 1986 that criticized the Marc (sp?) 1 design. He said they were much more likely to fail than other designs. He is currently refusing the requests to come on TV and is passing people to NRC - but it sounds like 1) maybe we should have an expert who is available to talk to these people about the Marc 1 design, and 2) Harold is suggesting that technical experts from NRR/RES brief the Chairman/Commission on the design and recent research on it, as he remembers that research was being done on it when he was here. He said it would be a way to get in front of the press on this - as they are reaching out everywhere for info....including retired employees (with old information).

He told me that there are a few U.S. reactors that have this design and that is why there are questions...

Harold's contact info:

  
C - (b)(6)  
Email: (b)(6)

I'm not exactly sure what to do with this one beyond passing on what he told me.

Thanks,

0/14

Amy

**From:** Deavers, Ron  
**Sent:** Wednesday, March 16, 2011 11:23 AM  
**To:** Deavers, Ron  
**Cc:** Bonaccorso, Amy  
**Subject:** FW: Public Inquiries

Response notes embed below

**From:** Royer, Deanna  
**Sent:** Wednesday, March 16, 2011 10:37 AM  
**To:** Deavers, Ron; Bonaccorso, Amy  
**Subject:** Public Inquiries

Harold Denton

(b)(6)

Amy attempted

John Saercy

(b)(6)

(b)(6)

cell 26

Re: Imported food – how is the marine life affected Referred Mr. Saercy to the EPA. He has already talked to the Department of Agriculture. He asked about a “home radiation scanning device”, I told him I could not recommend a device, but suggested he search the Internet for this kind of equipment.

Deanna Royer  
Contract Secretary  
Division of New Reactor Licensing  
(301) 415-7158  
[Deanna.Royer@nrc.gov](mailto:Deanna.Royer@nrc.gov)

**Deavers, Ron**

---

**From:** Bonaccorso, Amy  
**Sent:** Wednesday, March 16, 2011 10:53 AM  
**To:** Deavers, Ron  
**Subject:** RE: Public Inquiries

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Will have to keep trying Harold – he's having a long conversation with someone.

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**To:** Bonaccorso, Amy  
**Subject:** RE: Public Inquiries

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**From:** Bonaccorso, Amy  
**Sent:** Wednesday, March 16, 2011 10:49 AM  
**To:** Deavers, Ron  
**Subject:** FW: Public Inquiries

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**From:** Royer, Deanna  
**Sent:** Wednesday, March 16, 2011 10:37 AM  
**To:** Deavers, Ron; Bonaccorso, Amy  
**Subject:** Public Inquiries

Harold Denton

(b)(6)

John Saercy

(b)(6)

home  
cell

6  
Re: Imported food – how is the marine life affected

Deanna Royer  
Contract Secretary  
Division of New Reactor Licensing  
(301) 415-7158  
[Deanna.Royer@nrc.gov](mailto:Deanna.Royer@nrc.gov)

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

(b)(6) on Wednesday, March 16, 2011 at 11:00:39

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comments: Openness

...in communications and decision-making

...transparent, forthright

How open is your agency in telling the western sea board about a slight possibly of a large amount of radioactive discharge traveling in our nations western direction, could that be a potential reality or is everyone just in panic mode over the media publications. The word spreading around in Washington state is unclear but lots of people seem to be taking precautions. Potassium iodide & tri-iodides are becoming scares around these parts. Would taking iodine tablets help radioactive contact if these rumors turned out to be true. I look forward to hearing what your agency has to say on this matter. sincerely, Jeff

organization:

address1:

address2:

city:

state:

zip:

country: us

phone:

---

0/16

## Deavers, Ron

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**From:** Janbergs, Holly  
**Sent:** Wednesday, March 16, 2011 12:01 PM  
**To:** Deavers, Ron  
**Subject:** FW: Please immediately close older reactors for inspection

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

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

**From:** OPA Resource  
**Sent:** Wednesday, March 16, 2011 10:24 AM  
**To:** Janbergs, Holly  
**Subject:** FW: Please immediately close older reactors for inspection

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

**From:** [info@ecologicalinternet.org](mailto:info@ecologicalinternet.org) [mailto:[info@ecologicalinternet.org](mailto:info@ecologicalinternet.org)] On Behalf Of Alessandro Giustarini  
**Sent:** Wednesday, March 16, 2011 10:03 AM  
**To:** OPA Resource  
**Subject:** Please immediately close older reactors for inspection

Dear U.S. Nuclear Regulatory Commission,

Given the worsening Japanese nuclear disaster, I am writing to demand immediate closure of U.S. nuclear energy facilities that remain operational after having exceeded their engineered operable life. Please immediately close these facilities for inspection in an orderly manner as is occurring in Europe. It is the prudent thing to do given many older reactors in the U.S. are of similar design as those melting down in Japan.

Japan is facing the worst nuclear crisis since the atomic bombing of Hiroshima and Nagasaki. Multiple explosions have hit the Fukushima Daiichi nuclear plant, several reactors have lost their cooling systems, raising fears of meltdown(s). Radiation levels have been detected as far as 100 miles away. Many people have tested positive for radiation exposure, and hundreds of thousands of have been evacuated, with the numbers expected to rise.

In the United States, some reactors which have recently had their licenses extended nearly 40 years old, and their owners are asking the Nuclear Regulatory Commission for approval to extend their lives. No further extensions should be granted, and these older reactors that have been extended must be taken off line immediately and inspected given recent happenings in Japan. Clearly these 1970s vintage era systems were not adequately engineering for infrequent but large natural disasters and increasingly

human exacerbated events.

Further, it is presumptuous for the federal government to be planning to provide for \$36 billion in loan guarantees to build still more nuclear plants, when we do not yet have a permanent waste repository, or even a plan. We are dooming civilizations for hundreds of thousands of years to having to protect and maintain enclosure upon our nuclear waste. Nuclear waste stored on site has caught fire in Japan, and the current on site storage across America is completely unacceptable.

All existing nuclear energy plants, waste and weapons are accidents waiting to happen. Nuclear complexity, potential ecological costs, natural disasters and a conflict ridden world show can never be safe. The price of nuclear fission is potentially enormous when even one accident happens, must less several as now with our Japanese brothers and sisters. In a continually more disorderly world, it is clear that no nuclear materials are secured, and that developing countries embracing nuclear energy will lead to weapon proliferation and yet more great loss of life from accidents and war. Be we could choose to ban nuclear materials in their entirety.

It is time for humanity to choose which technologies they allow based upon full preponderance of the evidence - and as an ecologist I would predict all but certain similar impacts no matter the effort from the introduction of geo-engineering, genetically modified organisms (particularly food), nanotech, etc. Nuclear fission has been shown to be deadly in the field of battle, along the coastal plains, it's unsecured wastes are growing, and through terrorist and militaristic rhetoric regarding their use in an increasingly unstable world.

Please immediately cease extending the licenses of old nuclear power plants, and shut down for inspection those which have been extended. Some technologies at their root are anti human and Earth. Let's get it done, ban the bomb, ban nuclear energy, and commit to climate and energy solutions that are serious and include life-saving energy conservation, efficiency & using only true renewables. This will soon be the only energy at our disposal if we desire a habitable Earth, and we must transform our society accordingly.

With grave concern,

Alessandro Giustarini

(b)(6)

cc:

President Obama; EPA Administrator, Lisa P. Jackson;



Secretary of Agriculture, Tom Vilsack; Secretary of Energy,  
Steven Chu; Secretary of Interior, Ken Salazar; NOAA  
Administrator, Jane Lubchenco; President's Science Advisor,  
Dr. John Holden; NRC Contacts for Open Government

**Deavers, Ron**

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**From:** Janbergs, Holly  
**Sent:** Wednesday, March 16, 2011 12:02 PM  
**To:** Deavers, Ron  
**Subject:** FW: Please immediately close older reactors for inspection

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

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

**From:** OPA Resource  
**Sent:** Wednesday, March 16, 2011 10:27 AM  
**To:** Janbergs, Holly  
**Subject:** FW: Please immediately close older reactors for inspection

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

**From:** [info@ecologicalinternet.org](mailto:info@ecologicalinternet.org) [mailto:[info@ecologicalinternet.org](mailto:info@ecologicalinternet.org)] On Behalf Of Ann Marie Falkman  
**Sent:** Wednesday, March 16, 2011 10:26 AM  
**To:** OPA Resource  
**Subject:** Please immediately close older reactors for inspection

Dear U.S. Nuclear Regulatory Commission,

Given the worsening Japanese nuclear disaster, I am writing to demand immediate closure of U.S. nuclear energy facilities that remain operational after having exceeded their engineered operable life. Please immediately close these facilities for inspection in an orderly manner as is occurring in Europe. It is the prudent thing to do given many older reactors in the U.S. are of similar design as those melting down in Japan.

Japan is facing the worst nuclear crisis since the atomic bombing of Hiroshima and Nagasaki. Multiple explosions have hit the Fukushima Daiichi nuclear plant, several reactors have lost their cooling systems, raising fears of meltdown(s). Radiation levels have been detected as far as 100 miles away. Many people have tested positive for radiation exposure, and hundreds of thousands of have been evacuated, with the numbers expected to rise.

In the United States, some reactors which have recently had their licenses extended nearly 40 years old, and their owners are asking the Nuclear Regulatory Commission for approval to extend their lives. No further extensions should be granted, and these older reactors that have been extended must be taken off line immediately and inspected given recent happenings in Japan. Clearly these 1970s vintage era systems were not adequately engineering for infrequent but large natural disasters and increasingly

human exacerbated events.

Further, it is presumptuous for the federal government to be planning to provide for \$36 billion in loan guarantees to build still more nuclear plants, when we do not yet have a permanent waste repository, or even a plan. We are dooming civilizations for hundreds of thousands of years to having to protect and maintain enclosure upon our nuclear waste. Nuclear waste stored on site has caught fire in Japan, and the current on site storage across America is completely unacceptable.

All existing nuclear energy plants, waste and weapons are accidents waiting to happen. Nuclear complexity, potential ecological costs, natural disasters and a conflict ridden world show can never be safe. The price of nuclear fission is potentially enormous when even one accident happens, must less several as now with our Japanese brothers and sisters. In a continually more disorderly world, it is clear that no nuclear materials are secured, and that developing countries embracing nuclear energy will lead to weapon proliferation and yet more great loss of life from accidents and war. Be we could choose to ban nuclear materials in their entirety.

It is time for humanity to choose which technologies they allow based upon full preponderance of the evidence - and as an ecologist I would predict all but certain similar impacts no matter the effort from the introduction of geo-engineering, genetically modified organisms (particularly food), nanotech, etc. Nuclear fission has been shown to be deadly in the field of battle, along the coastal plains, it's unsecured wastes are growing, and through terrorist and militaristic rhetoric regarding their use in an increasingly unstable world.

Please immediately cease extending the licenses of old nuclear power plants, and shut down for inspection those which have been extended. Some technologies at their root are anti human and Earth. Let's get it done, ban the bomb, ban nuclear energy, and commit to climate and energy solutions that are serious and include life-saving energy conservation, efficiency & using only true renewables. This will soon be the only energy at our disposal if we desire a habitable Earth, and we must transform our society accordingly.

With grave concern,

Ann Marie Falkman

(b)(6)

cc:

President Obama; EPA Administrator, Lisa P. Jackson;

Secretary of Agriculture, Tom Vilsack; Secretary of Energy,  
Steven Chu; Secretary of Interior, Ken Salazar; NOAA  
Administrator, Jane Lubchenco; President's Science Advisor,  
Dr. John Holden; NRC Contacts for Open Government

## Deavers, Ron

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**From:** Janbergs, Holly  
**Sent:** Wednesday, March 16, 2011 12:03 PM  
**To:** Deavers, Ron  
**Subject:** FW: Please immediately close older reactors for inspection

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

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

**From:** OPA Resource  
**Sent:** Wednesday, March 16, 2011 10:32 AM  
**To:** Janbergs, Holly  
**Subject:** FW: Please immediately close older reactors for inspection

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

**From:** [info@ecologicalinternet.org](mailto:info@ecologicalinternet.org) [mailto:[info@ecologicalinternet.org](mailto:info@ecologicalinternet.org)] On Behalf Of Dr. Glen Barry  
**Sent:** Wednesday, March 16, 2011 8:39 AM  
**To:** OPA Resource  
**Subject:** Please immediately close older reactors for inspection

Dear U.S. Nuclear Regulatory Commission,

Given the worsening Japanese nuclear disaster, I am writing to demand immediate closure of U.S. nuclear energy facilities that remain operational after having exceeded their engineered operable life. Please immediately close these facilities for inspection in an orderly manner as is occurring in Europe. It is the prudent thing to do given many older reactors in the U.S. are of similar design as those melting down in Japan.

Japan is facing the worst nuclear crisis since the atomic bombing of Hiroshima and Nagasaki. Multiple explosions have hit the Fukushima Daiichi nuclear plant, several reactors have lost their cooling systems, raising fears of meltdown(s). Radiation levels have been detected as far as 100 miles away. Many people have tested positive for radiation exposure, and hundreds of thousands of have been evacuated, with the numbers expected to rise.

Some reactors which have recently had their licenses extended are at or approaching 40 years old, and their owners are asking the Nuclear Regulatory Commission for approval to extend their lives. No further extensions should be granted, and these older reactors that have been extended must be taken off line immediately and inspected given recent happenings in Japan, as is being done in European countries. Clearly these 1970s vintage era systems were not adequately engineering for infrequent but large

0/19

natural and increasingly human exacerbated events.


Further, it is presumptuous for the federal government to be planning to provide for \$36 billion in loan guarantees to build still more nuclear plants, when we do not yet have a permanent waste repository. We are dooming civilizations for hundreds of thousands of years to having to protect and maintain enclosure upon our nuclear waste. Nuclear waste stored on site has caught fire in Japan, and the current on site storage across America is disaster(s) waiting to happen.

All existing nuclear energy plants, waste and weapons are accidents waiting to happen. Nuclear complexity, potential ecological costs, natural disasters and conflict ridden world show can never be safe. The price of nuclear fission is potentially enormous when even one accident happens, must less several as now with our Japanese brothers and sisters. In a continually more disorderly world, it is clear that no nuclear materials are safe, and that developing countries embracing nuclear energy will lead to weapon proliferation and yet more great loss of life.

It is time for humanity to choose which technologies they allow based upon full preponderance of the evidence - and as an ecologist I would predict all but certain similar impacts no matter the effort from the introduction of geo-engineering, genetically modified organisms (particularly food), nanotech, etc. Nuclear fission has been shown to be deadly in the field of battle, along the coastal plains, it's unsecured wastes are growing, and through terrorist and militaristic rhetoric regarding their use in an increasingly unstable world.

Please immediately cease extending the licenses of old nuclear power plants, and shut down for inspection those which have been extended. Some technologies at their root are anti human and Earth. Let's get it done, ban the bomb, ban nuclear energy, and commit to climate and energy solutions that are serious and include life-saving energy conservation, efficiency & using only true renewables. This may soon be the only energy at our disposal and we must transform our society accordingly.

With grave concern,

  
Dr. Glen Barry  
Ecological Internet

(b)(6)

6

cc:

President Obama; EPA Administrator, Lisa P. Jackson;  
Secretary of Agriculture, Tom Vilsack; Secretary of Energy,  
Steven Chu; Secretary of Interior, Ken Salazar; NOAA

Administrator, Jane Lubchenco; President's Science Advisor,  
Dr. John Holden; NRC Contacts for Open Government

**Deavers, Ron**

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**From:** Janbergs, Holly  
**Sent:** Wednesday, March 16, 2011 12:04 PM  
**To:** Deavers, Ron  
**Subject:** FW: (b)(6)

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

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

**From:** OPA Resource  
**Sent:** Wednesday, March 16, 2011 10:59 AM  
**To:** Janbergs, Holly  
**Subject:** FW: (b)(6)

6

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

**From:** Pay It Forward (b)(6)  
**Sent:** Wednesday, March 16, 2011 2:53 AM  
**To:** OPA Resource  
**Subject:** (b)(6)

Hi!  
I live in (b)(6). I am wondering what measures, if any, are being taken to test the rain and air to see if there are any radioactive particles? please advise as I think this should be done as a security precaution to make sure we are not getting radiation. thanks so much.

rae  
(b)(6)

0/20



**Deavers, Ron**

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**From:** Janbergs, Holly  
**Sent:** Wednesday, March 16, 2011 12:04 PM  
**To:** Deavers, Ron  
**Subject:** FW: Question concerning the possible affect the Northwestern sea board

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

**From:** OPA Resource  
**Sent:** Wednesday, March 16, 2011 10:44 AM  
**To:** Janbergs, Holly  
**Subject:** FW: Question concerning the possible affect the Northwestern sea board

6  
**From:** Jeff Counts (b)(6)  
**Sent:** Wednesday, March 16, 2011 12:17 AM  
**To:** OPA Resource  
**Subject:** Question concerning the possible affect the Northwestern sea board

Hello my name is Jeff, I live in (b)(6) The word is spreading here about the possibilities of a large amount of radiation traveling this way through the jet streams from Japan's tsunami/nuclear disaster site which then may affect the coastal cities here in the states. People here are freaked out and buying up all the potassium iodide & tri-iodides.

I emailed Ron Trumbla & Steven Cooper over at Taxes NOAA weather center and they both sent me your link. I was wondering if you people had any clue on whether or not this nuclear cloud theory was an actual possibility. I hope hear back from you soon with any helpful information or suggestions you may have, thank you.

Sincerely, Jeff Counts

**Deavers, Ron**

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**From:** Bonaccorso, Amy  
**Sent:** Wednesday, March 16, 2011 12:06 PM  
**To:** Deavers, Ron  
**Subject:** FW: Creative option for cooling Japan reactors

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

FYI - ignoring this "suggestion" per Holly's earlier guidance.

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

**From:** Janbergs, Holly  
**Sent:** Wednesday, March 16, 2011 12:01 PM  
**To:** Bonaccorso, Amy  
**Subject:** FW: Creative option for cooling Japan reactors

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

**From:** OPA Resource  
**Sent:** Wednesday, March 16, 2011 10:23 AM  
**To:** Janbergs, Holly  
**Subject:** FW: Creative option for cooling Japan reactors

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

**From:** alan powell<sup>(b)(6)</sup> 6  
**Sent:** Tuesday, March 15, 2011 8:37 PM  
**To:** OPA Resource; OPA1 RESOURCE; Resource, OPA3; OPA2 Resource; OPA4 Resource; NRC Allegation  
**Subject:** Creative option for cooling Japan reactors

Hello everyone,

I know you are probably overloaded with suggestions on how to cool the Japan reactors, but I thought there might be a simple no mechanical way to pump the water into the reactor.

It appears that you are having problems creating enough high pressure to pump the water through the reactor. Why not inject liquid nitrogen into the water stream. As the liquid nitrogen expands, it will create pressure on the pipe walls and force water through the pipes. This would happen very quickly and might allow you to generate enough steam to produce local electricity in order to operate the pumps (assuming they are not damaged).

Since Nitrogen is inert, introducing it into the system would not pose an additional fire hazard and might actually decrease the possibility depending on the chemistry of the surrounding environment.

I am not aware of any properties that would make radioactive material attach to the Nitrogen so there wouldn't be an additional atmospheric risk.

Probably the best place to inject the nitrogen would be in the condenser area in the steam phase. Alternatively, you could use emergency water lines that I think you've used to inject seawater.

0/22

I'd look at this as a batch process where you are injecting liquid nitrogen then letting the water run a complete cycle. You can remove the excess nitrogen gas in the steam phase by placing a liquid nitrogen jacket on the condensers. Insert a pressure relief valve that then allow the Nitrogen to release to the atmosphere so that you can add additional liquid nitrogen. Since the fission byproducts adhere to the water vapor molecules, there should not be a problem with Nitrogen releases. Since the water would be "pumped" well above its normal inlet temperature, preheating wouldn't be necessary.

Alan

**Deavers, Ron**

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**From:** Bonaccorso, Amy  
**Sent:** Wednesday, March 16, 2011 12:09 PM  
**To:** Deavers, Ron  
**Subject:** RE: We use liquid nitrogen to cool water or heavy water to -191C

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Ignoring "suggestions" from public per Holly's guidance. This sounds like a technical suggestion/bit of knowledge.

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

**From:** Janbergs, Holly  
**Sent:** Wednesday, March 16, 2011 12:01 PM  
**To:** Bonaccorso, Amy  
**Subject:** FW: We use liquid nitrogen to cool water or heavy water to -191C

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

**From:** OPA Resource  
**Sent:** Wednesday, March 16, 2011 10:25 AM  
**To:** Janbergs, Holly  
**Subject:** FW: We use liquid nitrogen to cool water or heavy water to -191C

6

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

**From:** Allison Naito (b)(6)  
**Sent:** Wednesday, March 16, 2011 1:42 AM  
**To:** OPA Resource  
**Subject:** We use liquid nitrogen to cool water or heavy water to -191C

We use liquid nitrogen to cool water or heavy water to -191C  
We cool heavy water because of it's higher density and bipolar bonding  
We supercool this in six inch cubic blocks- load these blocks in a net and  
Then lower into reactor site gently by helicopter.

Then place super cooled boron in.

Sent from my iPad

0/23

*meera*  
**From:** [Hiland, Patrick](#)  
**To:** [Khanna, Meena](#)  
**Cc:** [Wilson, George](#); [Skeen, David](#)  
**Subject:** FW: Jack Requested You Call Joe Donahue on his behalf  
**Date:** Wednesday, March 16, 2011 3:08:00 PM  
**Importance:** High

---

Meena, I sent the below to George Wilson and asked him to return call to Progress Energy. You may want to give him a heads up prior to call.

*meera*  
**From:** Hiland, Patrick  
**Sent:** Wednesday, March 16, 2011 3:03 PM  
**To:** Wilson, George  
**Cc:** Skeen, David  
**Subject:** FW: Jack Requested You Call Joe Donahue on his behalf  
**Importance:** High

Hey George, can you handle the below? FYI Crystal River identified an anomaly Monday while doing final re-tensioning. Meena/Farhead will have the specific details. Explain that Jack is responding to the escalating problems in Japan and regret he was unable to return the call. You as Acting DE might ask if they have drawn any conclusions yet? Also, there is supposed to be a public meeting at the site next week (3/22) with Eric Leeds attending.

*meera*  
**From:** Cohen, Shari  
**Sent:** Wednesday, March 16, 2011 2:56 PM  
**To:** Hiland, Patrick  
**Subject:** Jack Requested You Call Joe Donahue on his behalf

Jack had called Joe (of Progress Energy) yesterday asking for technical information on Crystal River III. Jack was too busy to take Joe's return call when he called Jack back so Jack asked that you please call Joe on his behalf – Joe's number is (b)(6) (bb). Thank you!

Shari Cohen, Contract Secretary  
Office of Nuclear Reactor Regulation, USNRC  
Room – O-13H18 / Mail Stop - O13H16M  
Phone – 301-415-1270  
Fax - 301 - 415-8333  
Email - [shari.cohen@nrc.gov](mailto:shari.cohen@nrc.gov)

0/24

**Gibson, Kathy**

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**From:** Gibson, Kathy  
**Sent:** Wednesday, March 16, 2011 10:18 AM  
**To:** Armstrong, Kenneth  
**Subject:** Fw: Follow-up from 4 pm teleconference on Ops Center Long Term Staffing

---

**From:** Schaffer, Steven  
**To:** Gibson, Kathy  
**Sent:** Wed Mar 16 08:54:36 2011  
**Subject:** RE: Follow-up from 4 pm teleconference on Ops Center Long Term Staffing

Kathy,  
I'm not on a protective measures team and don't wish to be on one. Please do not add me to the Ops Center list. (b)(6) Thanks for your consideration.  
Steve

**From:** Gibson, Kathy  
**Sent:** Wednesday, March 16, 2011 8:35 AM  
**To:** Schaffer, Steven  
**Subject:** Re: Follow-up from 4 pm teleconference on Ops Center Long Term Staffing

Steve,  
Are you on a protective measures team? If not you should be because of your health physics expertise.  
I'd like to add you to the Ops Center list for protective measures team, ok?

**From:** Schaffer, Steven  
**To:** Gibson, Kathy  
**Sent:** Wed Mar 16 08:27:46 2011  
**Subject:** RE: Follow-up from 4 pm teleconference on Ops Center Long Term Staffing

Kathy,  
This is my negative reply.  
Steve

**From:** Gibson, Kathy  
**Sent:** Wednesday, March 16, 2011 8:06 AM  
**To:** RES\_DSA  
**Subject:** Fw: Follow-up from 4 pm teleconference on Ops Center Long Term Staffing  
**Importance:** High

More info on staffing the Ops Center.

Please provide the information I requested previously on your willingness to help. If you are not interested, unavailable or don't have relevant expertise to work in the Ops Center or go to Japan, please send a negative reply so we have a full accounting for the division.

Thanks!

## **Raione, Richard**

---

**From:** Smith, Ellen D. [smithed@ornl.gov]  
**Sent:** Wednesday, March 16, 2011 5:17 PM  
**To:** Ahn, Hosung; Jones, Henry, Eric  
**Cc:** Raione, Richard; Chokshi, Nilesh; Bagchi, Goutam; Lynett, Patrick; Jason Chaytor; Tiruneh, Nebiyu  
**Subject:** RE: Storm/tsunami Levees - Turkey Pt.

This is consistent with my understanding. The power block would be built well above the natural grade, atop a large "island" of engineered earthen fill material (something like a large, flat-topped pyramid). The wall to be built on the sides of this mass of earth would be a retaining-reinforcing structure flush against the fill, not a dike or levee, and not a safety-related feature.

The water levels for the "probable maximum" events would rise above the top of the retaining wall. I have had some concern about the potential effects (e.g., erosion of the fill) of hydraulic action occurring above the top of the retaining wall, but the wall is supposed to be at least 500 feet from any SSC.

– Ellen Smith

---

**From:** Ahn, Hosung [mailto:Hosung.Ahn@nrc.gov]  
**Sent:** Wednesday, March 16, 2011 12:02 PM  
**To:** Jones, Henry; Eric  
**Cc:** Raione, Richard; Chokshi, Nilesh; Bagchi, Goutam; Lynett, Patrick; Jason Chaytor; Smith, Ellen D.; Tiruneh, Nebiyu  
**Subject:** RE: Storm/tsunami Levees - Turkey Pt.

All,

The FPL's proposed "wall" is not wave break wall but a type of retaining wall to elevate the plant grade. It is not SSC. Because it is backfilled, it may not distort or overturn during the surge as in the cases for Japan.

I think the only concern is a hydraulic jump of tsunami/storm surge wave when the wave passes the wall. Such a hydraulic jump could significantly increase the inundation depth at the power block area. We raised this issue on the FSAR 2.4.5 (hurricane storm surge) during the site audit, but we never get a satisfactory response yet.

Hosung

---

**From:** Jones, Henry  
**Sent:** Wednesday, March 16, 2011 11:44 AM  
**To:** Eric

**Cc:** Ahn, Hosung; Raione, Richard; Chokshi, Nilesh; Bagchi, Goutam; Lynett, Patrick; Jason Chaytor

**Subject:** RE: Storm/tsunami Levees - Turkey Pt.

Dear Eric,

Under the hierarchical approach (HHA), we should try both approaches. On STP, I believe Pat Lynett made simulations without the site specific friction coefficients (conservative) followed by taking into account the actual terrain/vegetation (realistic). In regard to TP, the conservative approach may be running simulations without the wall/site specific terrain characteristics then adding the wall and friction coefficients based on observation (site audit). Your thoughts?

Henry

---

**From:** Eric [mailto:egeist@usgs.gov]

**Sent:** Wednesday, March 16, 2011 10:59 AM

**To:** Jones, Henry; Ahn, Hosung

**Subject:** Storm/tsunami Levees - Turkey Pt.

Dear Henry and Hosung,

A good question came up from Jason regarding storm/tsunami walls, particularly with regard to Turkey Pt. Tsunami defense structures in Japan were overtopped, likely with accelerating flow after overtopping. I recall that the Turkey Pt. applicant did not designate the wall as an SSC. In our independent modeling, do we calculate the tsunami inundation as if the wall was not there, or do we include it and try to account for any accelerating flow?

...Eric

Begin forwarded message:

**From:** Jason Chaytor <jchaytor@usgs.gov>

**Date:** March 16, 2011 7:31:45 AM PDT

**To:** Eric L Geist <egeist@usgs.gov>, plynett@tamu.edu

**Subject:** Fw: Sendai tsunami catalogue

From an NRO perspective (based on what we have done), given the extensive



history of tsunamis that have impacted this section of the coast (as detailed in the recent list sent to the ITIC BB), regardless of the earthquake hazard, should a major facility such as nuclear power plant have been constructed so close to the coast? How do we now evaluate the usefulness of tsunami walls (or levees - Turkey Point??).

J

---

Jason D. Chaytor, Ph.D  
U.S. Geological Survey  
USGS Woods Hole Coastal and Marine Science Center  
384 Woods Hole Road  
Woods Hole, MA 02543-1598  
Phone: (508) 457-2351  
Fax: (508) 457-2310  
Email: [jchaytor@usgs.gov](mailto:jchaytor@usgs.gov)

----- Forwarded message -----  
From: Nobuo Shuto (b)(6) ] - Ex #6  
Date: 2011/3/16  
Subject: Sendai tsunami catalogue  
To: ITIC Tsunami Bulletin Board <[tsunami\\_bb@infolist.nws.noaa.gov](mailto:tsunami_bb@infolist.nws.noaa.gov)>

ITIC Tsunami Bulletin Board

Dear TBB members,

Attached is the tsunami catalogue in the Sendai Area that I made in haste in response to the request of Dr. Eddie Bernard.

From snowing Sendai that was shaken again a few minutes ago.

Shuto

SHUTO Nobuo

〒980-8579 仙台市青葉区荒巻字青葉6-6-11-1106

東北大学大学院工学研究科付属災害制御研究センター津波工学研究分野

Disaster Control Research Center

Tohoku University

TEL : 022-795-7515

Email : [shuto@tsunami2.civil.tohoku.ac.jp](mailto:shuto@tsunami2.civil.tohoku.ac.jp);

(b)(6)

- Ex #6

You are currently subscribed to tsunami\_bb as:

(b)(6)

- Ex #6

To unsubscribe send a blank email to

[leave-348784-14666.0df0dbfc4725c2259dc0bb045e9bf6d2@infolist.nws.noaa.gov](mailto:leave-348784-14666.0df0dbfc4725c2259dc0bb045e9bf6d2@infolist.nws.noaa.gov)

If you have problems, or questions, please contact [itic.tsunami@unesco.org](mailto:itic.tsunami@unesco.org)

International Tsunami Information Center

A UNESCO/IOC - NOAA Partnership

737 Bishop Street, Suite 2200

Honolulu, HI 96813 USA

Phone: 1-808-532-6422 Fax: 1-808-532-5576

URL: <http://www.tsunamiwave.info/>

(See attached file: Tsunami Catalogue based on Miyagi Showa Shinshou  
Shi.doc)

**Deavers, Ron**

---

**From:** Harrington, Holly  
**Sent:** Wednesday, March 16, 2011 12:10 PM  
**To:** Bonaccorso, Amy  
**Cc:** Deavers, Ron  
**Subject:** RE: MIT Nuclear Engineer Volunteer

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

No volunteers

**From:** Bonaccorso, Amy  
**Sent:** Wednesday, March 16, 2011 12:04 PM  
**To:** Harrington, Holly  
**Cc:** Deavers, Ron  
**Subject:** FW: MIT Nuclear Engineer Volunteer

Ignore or send polite "we have experts working on it" response? It doesn't sound like we are taking even very qualified volunteers.

**From:** Janbergs, Holly  
**Sent:** Wednesday, March 16, 2011 12:00 PM  
**To:** Bonaccorso, Amy  
**Subject:** FW: MIT Nuclear Engineer Volunteer

**From:** OPA Resource  
**Sent:** Wednesday, March 16, 2011 10:22 AM  
**To:** Janbergs, Holly  
**Subject:** FW: MIT Nuclear Engineer Volunteer

6  
**From:** A M Morillon (b)(6)  
**Sent:** Tuesday, March 15, 2011 8:11 PM  
**To:** OPA Resource  
**Subject:** MIT Nuclear Engineer Volunteer

To Whom It May Concern (Please forward to the Commissioner):

I would like to volunteer my time and expertise to the analysis and evaluation of the Fukushima situation and vulnerabilities in the US Fleet. I've spend a number of years in at DOE doing nuclear accident evaluations, evaluated the entire PNPP-1 plant in the Philippines while with Halliburton as well as perform PRA studies of commercial nuclear plants, worked for the NRC, and worked at River Bend doing plume migration modeling. I have a BS and MS in nuclear engineering from MIT and Texas A&M. My CV is attached.

I offer this assistance due to the enormity of this event. I am hearing in the press that the resources of the NRC are being gathered to evaluate and assist in this situation. No doubt we are also going to assess whether the U.S. is adequately prepared for similar natural disasters both to our commercial fleet and at DOE facilities. I am also very disturbed by the misinformation in the press. The discussions of reactors in general and of radiation are truly

appalling as you no doubt know. With my recent work in climate change, we can't afford to overstate nor understate the issues at hand.

Thank you and I hope I might be able to assist in some manner. I have this expertise and feel a moral obligation to try to help in whatever way I can.

Thank you,

Ayine Morillon  
(b)(6)

6

**Deavers, Ron**

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**From:** Bonaccorso, Amy  
**Sent:** Wednesday, March 16, 2011 12:49 PM  
**To:** (b)(6) 6  
**Cc:** Deavers, Ron  
**Subject:** REPLY: An idea for helping to contain the Nuclear centers in Japan (NOT a joke)....

Dear Mr. Walthers:

We appreciate the suggestions of folks with ideas to resolve the situation in Japan. Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.

Thank you,

Amy

**From:** Richard Walthers (b)(6) 6  
**Sent:** Wednesday, March 16, 2011 1:34 AM  
**To:** OPA Resource  
**Subject:** An idea for helping to contain the Nuclear centers in Japan (NOT a joke)....

To Whom It May Concern:

I'm writing today in an effort to help possibly curb one of the worst disasters mankind has ever seen, that being the impending meltdown of the reactors in Japan. I wanted to give you a solution for containing the radioactive material(s) within those nuclear centers. It's to use coal 'fly ash' in the reactors, etc., instead of either water or sand. It's 100% non-corrosive, won't emit any steam, compacts like sand, but won't 'boil' like sand once it hits the heat. And that's really the key... to use something that won't carry heat in any manner, and... can ultimately be used as the aggregate within the capping agent, that normally being concrete. So it's literally a win-win to use this 'by product' of industry as a source of containment.

I'm enclosing a document that was written for the country of Japan... which is also why it reads in a 'third person' format. That being said, if you feel the idea merits consideration please pass it on to the proper people.

If you have any questions after you've read the enclosed document, don't hesitate to contact me.

Sincerely,

Richard Walthers  
(b)(6)

**Deavers, Ron**

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**From:** Deavers, Ron  
**Sent:** Wednesday, March 16, 2011 12:24 PM  
**To:** Bonaccorso, Amy  
**Subject:** RE: Public Calls

Amy,

I will call these people

**From:** Royer, Deanna  
**Sent:** Wednesday, March 16, 2011 12:10 PM  
**To:** Deavers, Ron; Bonaccorso, Amy  
**Subject:** Public Calls

Kara Colton  
Energy Community Alliance  
703-864-3520  
Re: Dry Cask

Sarah Young  
(b)(6)  
Re: (b)(6) ext month

Bob Barlemann  
(b)(6) cell) 6  
Re: He lives in (b)(6) and has questions/concerns

Donna Chavers  
(b)(6)  
Re: Has suggestion for Japan – Farm robot, long ladder...

Deanna Royer  
Contract Secretary  
Division of New Reactor Licensing  
(301) 415-7158  
[Deanna.Royer@nrc.gov](mailto:Deanna.Royer@nrc.gov)

0/29

**Deavers, Ron**

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**From:** Bonaccorso, Amy  
**Sent:** Wednesday, March 16, 2011 12:29 PM  
**To:** OPA1 RESOURCE; Deavers, Ron  
**Cc:** Harrington, Holly  
**Subject:** RE: Japan Nuclear Disaster

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Thanks – yes, I am responding to a bunch right now.

Amy

**From:** OPA1 RESOURCE  
**Sent:** Wednesday, March 16, 2011 12:27 PM  
**To:** Deavers, Ron; Bonaccorso, Amy  
**Cc:** Harrington, Holly  
**Subject:** FW: Japan Nuclear Disaster

I received a bunch of emails from the public. I'm forwarding to you for response.

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

**From:** (b)(6) 6  
**Sent:** Tuesday, March 15, 2011 10:19 PM  
**To:** OPA1 RESOURCE  
**Subject:** Japan Nuclear Disaster

6 It is my rather uninformed understanding that carbon rods may be used to slow a nuclear reaction. It is apparent in the news that things are deteriorating rapidly in Japan. The water supply is insufficient to cool the out of control reactors.

I was wondering if a slurry made of crushed carbon rods could be pumped into the reactors to stop the reactions?

This may be totally unfeasible, that is for smarter people than I to determine, but if it would work and I did not mention it to someone, I would feel bad.

Take the idea, mull it over, pass it on if you feel it has merit.

Respectfully

Warren T. Olde, Jr. 6  
(b)(6)  
(b)(6)

## Deavers, Ron

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**From:** OPA1 RESOURCE  
**Sent:** Wednesday, March 16, 2011 12:32 PM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Cc:** Harrington, Holly  
**Subject:** FW: Japan meltdown

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

### **DIANE SCRENCI**

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

**From:** Mike (b)(6)  
**Sent:** Tuesday, March 15, 2011 10:53 PM  
**To:** OPA1 RESOURCE; OPA1 RESOURCE  
**Subject:** Japan meltdown

6  
Hi

I am hoping the NRC will take lessons learned from what is occurring in Japan. I would like to know why spent fuel is stored at the reactors? I imagine it is a cost reason and nobody else wants it. You need to get a solution that cannot be compromised as may be the case in Japan i.e. offsite storage.

I realize the odds of such a situation in Japan are slim but the severity is high. Why cant the cooling system rely on a gravity system backup? Where are they dumping that seawater?

Im sure scientists have thought of it all but it sure doesnt seem that way over the past week.

Also people are left to find there own ways to obtain potassium iodide. And guess what you cant buy it anywhere. You need to take it before exposure. By the time the meltdown release reaches the US - the levels will be safe right. Think about it - they have three to five reactors on the edge of out of control and a spent fuel pool compromised.

Is this the responsilby of the NRC or will be Obamas fault? Your expertise is key - show leadership.

Sorry but thats my perspective. I am very concerned.

Mike Tracev  
(b)(6)



**Deavers, Ron**

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**From:** OPA1 RESOURCE  
**Sent:** Wednesday, March 16, 2011 12:36 PM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Cc:** Harrington, Holly  
**Subject:** FW: Cooling the Reactor in Japan  
**Attachments:** image001.jpg

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

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

**From:** Lowther, Ron [mailto:Ron.Lowther@sheriff.org]  
**Sent:** Wednesday, March 16, 2011 11:23 AM  
**To:** OPA1 RESOURCE  
**Subject:** Cooling the Reactor in Japan

To Whom It May Concern,  
I would like to make a suggestion to the cooling dilemma for the damaged reactor in Japan.

My thoughts are whether practical or not, the use of liquid nitrogen slowly introduced into the cooling system to help quicken the cooling process.

Can you please pass this on to the right people.

Sincerely,

**Ron Lowther**

BROWARD SHERIFF'S OFFICE  
S.I.D. Technical Support Unit  
2601 W. Broward Blvd.  
Fort Lauderdale, Florida 33312

Ph. (954) 321-5053  
Cell (b)(6)  
Fax (954) 797-0909



*Pride in Service with Integrity.*

Please note that Florida has a broad public records law, and that all correspondence to me via email may be subject to disclosure.

0/32

**Deavers, Ron**

---

**From:** OPA1 RESOURCE  
**Sent:** Wednesday, March 16, 2011 12:41 PM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Cc:** Harrington, Holly  
**Subject:** FW: Japan Nuclear Plants Idea Submission

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

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

**From:** Guy Cobb (b)(6)  
**Sent:** Monday, March 14, 2011 8:40 PM  
**To:** OPA1 RESOURCE  
**Subject:** Japan Nuclear Plants Idea Submission

6 I wanted to submit an idea concerning the nuclear reactors in Japan. Instead of cooling with seawater and boron try inserting massive amounts of Borated Paraffin. Such a solution may provide an additional opportunity to capture neutrons and radiation and "stick" to more of the infrastructure.

Guy Cobb  
(b)(6)

**Deavers, Ron**

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**From:** OPA1 RESOURCE  
**Sent:** Wednesday, March 16, 2011 12:41 PM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Cc:** Harrington, Holly  
**Subject:** FW: Creative option for cooling Japan reactors

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Diane Screnci  
Sr. Public Affairs Officer  
USNRC, RI  
610/337-5330

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

**From:** alan powell (b)(6) 6  
**Sent:** Tuesday, March 15, 2011 8:37 PM  
**To:** OPA Resource; OPA1 RESOURCE; Resource, OPA3; OPA2 Resource; OPA4 Resource; NRC Allegation  
**Subject:** Creative option for cooling Japan reactors

Hello everyone,

I know you are probably overloaded with suggestions on how to cool the Japan reactors, but I thought there might be a simple no mechanical way to pump the water into the reactor.

6 It appears that you are having problems creating enough high pressure to pump the water through the reactor. Why not inject liquid nitrogen into the water stream. As the liquid nitrogen expands, it will create pressure on the pipe walls and force water through the pipes. This would happen very quickly and might allow you to generate enough steam to produce local electricity in order to operate the pumps (assuming they are not damaged).

Since Nitrogen is inert, introducing it into the system would not pose an additional fire hazard and might actually decrease the possibility depending on the chemistry of the surrounding environment.

I am not aware of any properties that would make radioactive material attach to the Nitrogen so there wouldn't be an additional atmospheric risk.

Probably the best place to inject the nitrogen would be in the condenser area in the steam phase. Alternatively, you could use emergency water lines that I think you've used to inject seawater.

I'd look at this as a batch process where you are injecting liquid nitrogen then letting the water run a complete cycle. You can remove the excess nitrogen gas in the steam phase by placing a liquid nitrogen jacket on the condensers. Insert a pressure relief valve that then allow the Nitrogen to release to the atmosphere so that you can add additional liquid nitrogen. Since the fission byproducts adhere to the water vapor molecules, there should not be a problem with Nitrogen releases. Since the water would be "pumped" well above its normal inlet temperature, preheating wouldn't be necessary.

Alan

**Deavers, Ron**

---

**From:** Bonaccorso, Amy  
**Sent:** Wednesday, March 16, 2011 2:38 PM  
**To:** Deavers, Ron  
**Subject:** FW: Call from the Public

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

I'm calling.

**From:** Shannon, Valerie  
**Sent:** Wednesday, March 16, 2011 2:26 PM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** Call from the Public

Kenda Chapman  
**From:** (b)(6)  
**Phone:** (b)(6)  
**E-mail:** (b)(6)  
**Re:** Radiation in (b)(6)

0/35

**Deavers, Ron**

---

**From:** Bonaccorso, Amy  
**Sent:** Wednesday, March 16, 2011 2:44 PM  
**To:** Deavers, Ron  
**Subject:** FW: Call from the Public

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

I gave her information from #1, #3 (EPA monitoring), and state's responsibility (she asked for an agency and I did not have it).

Apparently, CNN.com is giving the radioactivity 5 days.

6

**From:** Shannon, Valerie  
**Sent:** Wednesday, March 16, 2011 2:26 PM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** Call from the Public

Kenda Chapman  
From: (b)(6)  
Phone: (b)(6)  
E-mail: (b)(6) 6  
Re: Radiation in (b)(6)

0/36

**Deavers, Ron**

---

**From:** John Mastroianni (b)(6) 6  
**Sent:** Wednesday, March 16, 2011 2:58 PM  
**To:** Bonaccorso, Amy  
**Cc:** Deavers, Ron  
**Subject:** Re: REPLY: Lead shot

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Dear Ms. Bonaccorso,

Thank you for taking time to respond. I appreciate that we have experts working on this and that it has probably already been considered.

(b)(6) who worked on the Saturn V rocket program, and he thought it might work, and so suggested I try to get the idea out there. He suggested precision dropping the Pb pellets in bags for containment that would break on impact or incinerate following impact. Another suggestion was to pump the Pb in with a carrying fluid.

6 Thank you again for your time.

Best regards,

~~John Mastroianni~~

On Wed, Mar 16, 2011 at 11:46 AM, Bonaccorso, Amy <[amy.Bonaccorso@nrc.gov](mailto:amy.Bonaccorso@nrc.gov)> wrote:

> Dear Mr. Mastroianni:

>  
>  
>

> We appreciate the suggestions of folks with ideas to resolve the  
> situation in Japan. Please understand that the NRC has some of the  
> most expert people in the world available to assist the Japanese  
> authorities in whatever way they request. We are fully staffed in all  
> our response teams at this time and working 24-hours a day.

>  
>  
>

> Thank you,

>  
>  
>

> Amy

>  
>  
>  
>  
>

> From: John Mastroianni (b)(6) 6  
> Sent: Tuesday, March 15, 2011 10:52 PM  
> To: OPA Resource  
> Subject: Lead shot  
>

0/37

>  
>  
> I am not sure whom to contact but I had an idea that may quench the  
> fires  
> (Japan) and reduce radiation exposure. What is the feasibility of  
> placing lead shot on the fires? When it melts it will reduce the  
> temperature and shield the radiation.

>  
>  
>  
> Best regards,

>  
>  
>  
>  John Mastroianni

>  
>  
>  (b)(6)

**Deavers, Ron**

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**From:** Deavers, Ron  
**Sent:** Wednesday, March 16, 2011 3:07 PM  
**To:** Bonaccorso, Amy  
**Subject:** RE: Call from the Public

Calling this one...

**From:** Shannon, Valerie  
**Sent:** Wednesday, March 16, 2011 2:26 PM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** Call from the Public

Kenda Chapman  
**From:** (b)(6)  
**Phone:** (b)(6)  
**E-mail:** [redacted]  
**Re: Radiation in:** (b)(6)



*MRK*  
**From:** [Hiland, Patrick](#)  
**To:** [Khanna, Meena](#)  
**Cc:** [Wilson, George](#); [Skeen, David](#)  
**Subject:** FW: Jack Requested You Call Joe Donahue on his behalf  
**Date:** Wednesday, March 16, 2011 3:08:00 PM  
**Importance:** High

---

Meena, I sent the below to George Wilson and asked him to return call to Progress Energy. You may want to give him a heads up prior to call.

*MRK*  
**From:** Hiland, Patrick  
**Sent:** Wednesday, March 16, 2011 3:03 PM  
**To:** Wilson, George  
**Cc:** Skeen, David  
**Subject:** FW: Jack Requested You Call Joe Donahue on his behalf  
**Importance:** High

Hey George, can you handle the below? FYI Crystal River identified an anomaly Monday while doing final re-tensioning. Meena/Farhead will have the specific details. Explain that Jack is responding to the escalating problems in Japan and regret he was unable to return the call. You as Acting DE might ask if they have drawn any conclusions yet? Also, there is supposed to be a public meeting at the site next week (3/22) with Eric Leeds attending.

*MRK*  
**From:** Cohen, Shari  
**Sent:** Wednesday, March 16, 2011 2:56 PM  
**To:** Hiland, Patrick  
**Subject:** Jack Requested You Call Joe Donahue on his behalf

Jack had called Joe (of Progress Energy) yesterday asking for technical information on Crystal River III. Jack was too busy to take Joe's return call when he called Jack back so Jack asked that you please call Joe on his behalf – Joe's number is (b)(6) (bb).  
Thank you!

Shari Cohen, Contract Secretary  
Office of Nuclear Reactor Regulation, USNRC  
Room – O-13H18 / Mail Stop - O13H16M  
Phone – 301-415-1270  
Fax - 301 - 415-8333  
Email - [shari.cohen@nrc.gov](mailto:shari.cohen@nrc.gov)

**Deavers, Ron**

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**From:** Akstulewicz, Brenda  
**Sent:** Wednesday, March 16, 2011 3:58 PM  
**To:** Bonaccorso, Amy; Harrington, Holly; Landau, Mindy  
**Cc:** Deavers, Ron  
**Subject:** RE: Query from WSJ

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Sorry, that was my fault, will forward to mindy

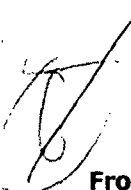
**From:** Bonaccorso, Amy  
**Sent:** Wednesday, March 16, 2011 3:51 PM  
**To:** Harrington, Holly  
**Cc:** Akstulewicz, Brenda; Deavers, Ron  
**Subject:** RE: Query from WSJ

Holly – Media inquiry – we aren't responding to these.

Thanks,

Amy

**From:** Akstulewicz, Brenda  
**Sent:** Wednesday, March 16, 2011 3:49 PM  
**To:** Deavers, Ron; Bonaccorso, Amy  
**Subject:** FW: Query from WSJ

 **From:** Power, Stephen [<mailto:Stephen.Power@wsj.com>]  
**Sent:** Wednesday, March 16, 2011 3:46 PM  
**To:** Akstulewicz, Brenda  
**Subject:** Query from WSJ

Why all of a sudden is the NRC going to 50 miles, after days in which the Japanese government has been saying the evacuation zone is for people within 20 miles of the reactors? Are the U.S. authorities detecting a higher level of radiation than the Japanese? Or do both sides agree in the radiation levels and simply disagree about what level of exposure (or distance from the site) is appropriate?

What are the radiation levels being measured by the U.S. government in the vicinity of the reactors?

I can be reached at 202 862 9269. If I could get a reply by 5 pm est, I'd be grateful.

With kind regards,

Stephen Power  
Staff Reporter  
The Wall Street Journal  
Office: (202) 862-9269  
Cell: (b)(6)  
Email: [Stephen.Power@wsj.com](mailto:Stephen.Power@wsj.com)

Follow me on Twitter at <http://twitter.com/stephenpower>

**Deavers, Ron**

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**From:** Deavers, Ron  
**Sent:** Wednesday, March 16, 2011 4:31 PM  
**To:** (b)(6) 6  
**Subject:** potassium iodide

Hi Karen,

We know you are very concerned. Please be assured, KI pills are not being recommended by your state officials. There is no unsafe level of radiation coming from the Japanese plants at this time. Unfortunately, we are not aware of a source for potassium iodide or alternative at this time.

## Wittick, Susan

---

**From:** Wittick, Susan  
**Sent:** Wednesday, March 16, 2011 5:27 PM  
**To:** Harrington, Holly  
**Subject:** FW: Assistance with Commission Brief  
**Attachments:** Scheduling NoteMar2011\_JapaneseEvent agh 3-16-2011.docx; commission meeting outline 3-16-2011.docx

**Importance:** High

Attached is the updated outline (the second document).  
Susan

**From:** Howe, Allen  
**Sent:** Wednesday, March 16, 2011 5:09 PM  
**To:** Dion, Jeanne; Williams, Donna; Bajwa, Chris; Wittick, Susan; Shropshire, Alan; VandenBerghe, John; Deegan, George; Milligan, Patricia  
**Cc:** Meighan, Sean; Hall, Randy; Boska, John  
**Subject:** Assistance with Commission Brief  
**Importance:** High

I am looking for assistance to pull together background information, slides, key messages, talking points and possible Q&A for the Commission briefing on the Japan event. The briefing is likely to happen Monday. Looks like a busy weekend. A rough draft outline is attached with leads for the areas. Please keep in mind that the meeting will be public and the information will be at a fairly high level. If you know of a point of contact that is best suited to address the information, please let me know.

I am working to schedule a meeting tomorrow afternoon @1:30 to flesh this out. I will send out a scheduler with a bridge line.

Thanks - Allen

DRAFT Commission Meeting Outline 3/16/2011

NRC Response to Core Damage Accident in Japan

**EVENT OVERVIEW AND U.S. RESPONSE – Bill Borchardt**

Current Status of Fukushima Daiichi – lead OPS Center

- Reactors
- Spent Fuel Pools

NRC Response Objectives

- Support of US Citizens in Japan - lead OIP
- Support of the Japanese Government - lead OIP
- Advance Our Understanding of Safety and Risk - lead RES

NRC Response Actions – lead OPS Center

- In Japan
- At HQ

US Government Response – lead OCA

- NRC Partners and Stakeholders

**POTENTIAL CONSEQUENCES – Mike Weber**

Consequence Projections – lead FSME/RES

- In Japan
- In US

**COMMUNICATION CHALLENGES – Eliot Brenner – lead OPA**

- Information
- Coordination

**Situation Assessment For US Reactors and Applicants – Marty Virgilio– lead NRR, W/RES, NMSS support**

- External Events
  - Seismic
  - Flood
  - Tsunamis
- Severe Accidents
  - SBO
  - B.5.b/50.54 (hh)(2)

- SAMGs
- Hydrogen control
- Emergency planning
- Spent fuel – NMSS support for dry casks

**Path Forward and Priorities – Eric Leeds – lead NRR**

- Near Term Actions
  - In Support of Response
  - Near term regulatory actions
  - TI for inspections
  - Generic Communications
  - Licensing actions
- Longer Term Actions
  - Lessons Learned From this Event – process based on past lessons learned e.g. TMI, Chernobyl, Davis-Besse, Japan earthquake at KK
  - Resolution of GSI 199
- Industry actions

Office Points of Contact:

RES – Jeanne Dion 301-251-7482

NRO – Donna Williams x1322

FSME – George Deegan x7834

NMSS – Chris Bajwa 301-492-3333

NRR – Allen Howe

NSIR - John Vanden Berghe and Alan Shropshire

OCA/OPA – (Susan Wittick (b)(6) Ex 6

**Deavers, Ron**

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**From:** Deavers, Ron  
**Sent:** Wednesday, March 16, 2011 5:54 PM  
**To:** Landau, Mindy  
**Cc:** Janbergs, Holly; Harrington, Holly  
**Subject:** FW: CBS Inquiry on Safety for Our Reporters

**Importance:** High

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Forwarding to Mindy per Holly Harrington.

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**From:** Janbergs, Holly  
**Sent:** Wednesday, March 16, 2011 5:53 PM  
**To:** Deavers, Ron  
**Subject:** FW: CBS Inquiry on Safety for Our Reporters  
**Importance:** High

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**From:** OPA Resource  
**Sent:** Wednesday, March 16, 2011 10:58 AM  
**To:** Janbergs, Holly  
**Subject:** CBS Inquiry on Safety for Our Reporters  
**Importance:** High

6  
8  
**From:** ~~Strickler, Laura [mailto:StricklerL@cbsnews.com]~~  
**Sent:** Wednesday, March 16, 2011 12:36 AM  
**To:** OPA Resource  
**Subject:** CBS Inquiry on Safety for Our Reporters

Hello-

Off the record - we are checking with you and anyone else at NRC to see if there are any additional precautions we should take with our teams on the ground in Japan based on changing conditions within the last six hours.

This is not a news request, it's a safety inquiry.

We are trying to determine the best route for the network - can someone/anyone at NRC call our National Desk tonight with any updated guidance at 212-975-4114 we are trying to make some immediate decisions.

Any guidance from the experts at NRC would be most appreciated, thank you very much,

Sorry to bother you so late,

Laura Strickler, CBS News  
(b)(6) cell } G



**Deavers, Ron**

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**From:** Deavers, Ron  
**Sent:** Wednesday, March 16, 2011 6:41 PM  
**To:** Deavers, Ron  
**Cc:** Bonaccorso, Amy  
**Subject:** FW: Tara Walsh / Citizen

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Response ...

**From:** Ghneim, Munira  
**Sent:** Wednesday, March 16, 2011 5:27 PM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** Tara Walsh - Citizen

Good Evening,

Tara Walsh would like to know how current our information on the web is. Tara may be reached at (b)(6)

(b)(6)  
Left a voice mail saying our web is updated frequently

Thank You  
Munira Ghneim  
Contract Secretary  
Office of Information Services  
301-415-1170

**From:** ahmed hamdy (b)(6)  
**Sent:** Wednesday, March 16, 2011 7:50 PM  
**To:** Abdullahi, Zena  
**Subject:** question about Japanese accident

Dear Sir,

Let me remind you with myself. I am a nuclear engineer and sent you questions before but I am afraid you have forgot or these questions may be confidential (I don't think that).

Now, if you let me ask about Japanese accident that make me puzzled:

(Probability of loss of offsite power) X (probability of loss of onsite power) X (LOCA) = By Logic, should be much lower than the unavailability of the system. Do you agree with me?

I strongly appreciate your response my Q and the last Questions also if your time permit.

regardless of your position also.

Best regards

Ahmed Hamdy Esmail Abo-Egila  
Senior Engineer  
R&D Division  
Nuclear Power Plants Authority, Egypt  
002-0108187845

--- On Tue, 1/18/11, Abdullahi, Zena <[Zena.Abdullahi@nrc.gov](mailto:Zena.Abdullahi@nrc.gov)> wrote:

From: Abdullahi, Zena <[Zena.Abdullahi@nrc.gov](mailto:Zena.Abdullahi@nrc.gov)>  
Subject: RE: questions  
To: "ahmed hamdy" (b)(6)  
Date: Tuesday, January 18, 2011, 10:45 AM

Hi Ahmed

I got your e-mail. I would try to respond to you later. Please, note though that I could respond to your questions as to my understanding but it would not be agency position.

**Deavers, Ron**

---

**From:** Bonaccorso, Amy  
**Sent:** Thursday, March 17, 2011 9:17 AM  
**To:** Deavers, Ron  
**Subject:** FW: Public Suggestion

Not calling back for suggestions per Holly.

**From:** Steger (Tucci), Christine  
**Sent:** Thursday, March 17, 2011 9:05 AM  
**To:** Deavers, Ron; Bonaccorso, Amy  
**Subject:** Public Suggestion.

Call from Mike Anderson  
Numbers: (b)(6)  
E-mail: (b)(6)

*Handwritten scribble*  
6

Suggestion for cooling the reactor  
Did not want to e-mail, wanted to talk to someone on the phone.

0/46

**Deavers, Ron**

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**From:** Bonaccorso, Amy  
**Sent:** Thursday, March 17, 2011 9:34 AM  
**To:** Deavers, Ron  
**Subject:** RE: Phone Call - Solution to Japan Issue

Not responding per Holly.

**From:** Screnci, Diane  
**Sent:** Thursday, March 17, 2011 9:31 AM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** FW: Phone Call - Solution to Japan Issue  
**Importance:** High

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

6  
**From:** Johnson, Sharon  
**Sent:** Thursday, March 17, 2011 9:04 AM  
**To:** Screnci, Diane  
**Cc:** Urban, Richard; McFadden, John  
**Subject:** Phone Call - Solution to Japan Issue  
**Importance:** High

March 17, 2011 @ 8:58 a.m.

Frank Ratka - Cell (b)(6) 6

Some thoughts on what and how to dump on reactor. Have we tried?

*Sharon Law Johnson*  
*Allegation Assistant*  
*610-337-5374*

0/47

**Royer, Deanna**

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**From:** Royer, Deanna  
**Sent:** Thursday, March 17, 2011 9:45 AM  
**To:** Couret, Ivonne  
**Subject:** Media interview request - Wallstreet Journal -DC

Marshall Crook  
Wallstreet Journal – DC  
[Marshall.crook@WSJ.com](mailto:Marshall.crook@WSJ.com)

(b)(6) cell) Ex 6

Re: Interview with Chairman Jaczko on the Big Interview for 20 minutes it runs unedited  
Would like to interview today or tomorrow – to air on Friday morning. Would be interviewed by senior editor.

Deanna Royer  
Contract Secretary  
301-415-8200

**Deavers, Ron**

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**From:** Ghneim, Munira  
**Sent:** Thursday, March 17, 2011 10:07 AM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Cc:** Harrington, Holly; Akstulewicz, Brenda  
**Subject:** ~~Maryann Belladonna~~ Citizen with a question

Good Morning,

*SL* Maryann would like to know is there should be a radioactive fallout would it be more severe if you are at a high altitude versus low altitude. Maryann may be reached at (b)(6) or (b)(6) J6

Thank you,  
Munira Ghneim  
Contract Secretary  
Office of Information Services  
301-415-1170

## Deavers, Ron

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**From:** McIntyre, David  
**Sent:** Thursday, March 17, 2011 10:16 AM  
**To:** Bonaccorso, Amy  
**Cc:** Deavers, Ron; Screnci, Diane; Couret, Ivonne  
**Subject:** RE: Japan Related Call

Done. Concerned cit living near (b)(6) <sup>Red</sup> worried about tsunami in Massachusetts Bay. I explained seismic design criteria, license renewal, potassium iodide. Only thing she stumped me on was what happens to all those people in Japan who are screened and test positive for radiation contamination?

Dave

**From:** Bonaccorso, Amy  
**Sent:** Thursday, March 17, 2011 9:33 AM  
**To:** McIntyre, David  
**Cc:** Deavers, Ron; Screnci, Diane  
**Subject:** RE: Japan Related Call

Dave:

We don't have NPP specific data up here...but Wikipedia just added something about this NPP being a similar design to the ones in Japan.

Can you help?

Thanks,

Amy

**From:** Screnci, Diane  
**Sent:** Thursday, March 17, 2011 9:29 AM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** FW: Japan Related Call

Can you guys handle?

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

**From:** McFadden, John  
**Sent:** Thursday, March 17, 2011 9:27 AM  
**To:** Screnci, Diane  
**Cc:** Urban, Richard; Johnson, Sharon; McFadden, John  
**Subject:** Japan Related Call

The following individual called and wanted to know what the NRC is doing about the Pilgrim NPP since it is old and similar in design to the Japanese plants and is also vulnerable to tsunamis and earthquakes.

Wanda Doles  
W: 617.896.5201

H: [redacted]  
6



**Deavers, Ron**

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**From:** Steger (Tucci), Christine  
**Sent:** Thursday, March 17, 2011 10:20 AM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** RE: Call re: MSNBC Study and Call with Suggestion

Ok thank you.

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**From:** Bonaccorso, Amy  
**Sent:** Thursday, March 17, 2011 10:16 AM  
**To:** Steger (Tucci), Christine; Deavers, Ron  
**Subject:** RE: Call re: MSNBC Study and Call with Suggestion

Thanks Christine.

I confirmed that OPA was looking into this article and queried Dave on what to say. Waiting for a response.

For anyone who has a suggestion on how to solve the crisis, the below verbiage is what you should use...we aren't returning those calls. I don't know if you got it in a previous email or not...

We appreciate the suggestions of folks with ideas to resolve the situation in Japan. Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.

Thanks.

Amy

6 **From:** Steger (Tucci), Christine  
**Sent:** Thursday, March 17, 2011 10:11 AM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** Call re: MSNBC Study and Call with Suggestion

Call from: Tate Rider  
Number: (b)(6)  
E-mail: (b)(6)

Question: MSNBC Study re: vulnerable plants – wants to know if the information in this study is valid and who is the information coming from.

Does not need a phone, e-mail would be sufficient

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Call from: Kevin Fichtner  
Number: (b)(6)  
E-mail: (b)(6)

Suggestion – use sand and water to cool down the reactor vis helicopter

0/51

**Royer, Deanna**

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**From:** Royer, Deanna  
**Sent:** Thursday, March 17, 2011 11:30 AM  
**To:** Couret, Ivonne  
**Subject:** Media - Interview - Bloomberg TV

Ashley Lucia

[Alucia3@bloomberg.net](mailto:Alucia3@bloomberg.net)

212-617-5121 w

(b)(6) cell) Ex 6

Re: Interview with Lake Barrett on Japan tomorrow morning

Deanna Royer  
Contract Secretary  
301-415-8200

**Deavers, Ron**

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**From:** Tobin, Jennifer  
**Sent:** Thursday, March 17, 2011 11:32 AM  
**To:** Bonaccorso, Amy; Ridge, Christianne  
**Cc:** Deavers, Ron  
**Subject:** RE: REPLY: Maryann Belladonna - Citizen with a question

All,  
I reiterated that we don't expect any fallout from the Japanese event here in the U.S. It sounded more like a curiosity question about potential fallout from an emergency at a U.S. plant so I let her know that proximity and weather conditions (wind etc) would play a greater role than altitude in an emergency situation.

-Jenny

**From:** Bonaccorso, Amy  
**Sent:** Thursday, March 17, 2011 11:17 AM  
**To:** Tobin, Jennifer; Ridge, Christianne  
**Cc:** Deavers, Ron  
**Subject:** FW: REPLY: Maryann Belladonna - Citizen with a question

See Holly's Response.

If one of you would like to follow up with Ms. Belladonna and explain that wind patterns have more relevance than altitude (I think that's what I heard you say), and reemphasize that we are monitoring that (my answer below was from the script) – you can.

Thanks,  
Amy

**From:** Harrington, Holly  
**Sent:** Thursday, March 17, 2011 11:13 AM  
**To:** Bonaccorso, Amy  
**Cc:** Deavers, Ron  
**Subject:** RE: REPLY: Maryann Belladonna - Citizen with a question

If someone can help in a general way that's OK, emphasizing no hazardous radiation expected

**From:** Bonaccorso, Amy  
**Sent:** Thursday, March 17, 2011 10:52 AM  
**To:** Harrington, Holly  
**Cc:** Deavers, Ron  
**Subject:** FW: REPLY: Maryann Belladonna - Citizen with a question

Should I pursue this technical answer or let it drop? I told her that we were not expecting harmful levels of radiation in the US, but she's still wanting to know details about mountainous regions vs. sea level. The gals here know some technical details on how this might be answered specifically, but do we even want to go down that road??

**From:** (b)(6)  
**Sent:** Thursday, March 17, 2011 10:48 AM  
**To:** Bonaccorso, Amy  
**Subject:** Re: REPLY: Maryann Belladonna - Citizen with a question

0/53

Will people at higher altitudes e.g. In Utah or the Rocky Mountains be exposed to higher levels of radiation as compared to sea level?

Sent from my Verizon Wireless BlackBerry

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**From:** "Bonaccorso, Amy" <amy.Bonaccorso@nrc.gov>  
**Date:** Thu, 17 Mar 2011 10:14:01 -0400  
**To:** (b)(6)  
**Cc:** Deavers, Ron <Ron.Deavers@nrc.gov>  
**Subject:** REPLY: Maryann Belladonna - Citizen with a question

6  
Dear Ms. Belladonna:

I got a message saying that you called over concerns over radiation.

The NRC continues to monitor information regarding wind patterns near the Japanese nuclear power plants. Nevertheless, given the distance between the Japan and Hawaii, Alaska, the U.S. Territories and the U.S. West Coast, we are not expected to experience any harmful levels of radioactivity.

EPA has publicly stated its agreement with the NRC's assessment. The EPA is responsible for monitoring radiation in the nation's air, water, etc and keeps all of that data available to the public online at RadNet.  
[Http://www.epa.gov/narel/radnet/pdf/navigating\\_radnet.htm](http://www.epa.gov/narel/radnet/pdf/navigating_radnet.htm)

Thank you,

Amy

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**From:** Ghneim, Munira  
**Sent:** Thursday, March 17, 2011 10:07 AM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Cc:** Harrington, Holly; Akstulewicz, Brenda  
**Subject:** Maryann Belladonna - Citizen with a question

Good Morning,

Maryann would like to know is there should be a radioactive fallout would it be more severe if you are at a high altitude versus low altitude. Maryann may be reached at (b)(6)

Thank you,  
Munira Ghneim  
Contract Secretary  
Office of Information Services  
301-415-1170

=

**Steger (Tucci), Christine**

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**From:** Steger (Tucci), Christine  
**Sent:** Thursday, March 17, 2011 12:03 PM  
**To:** Couret, Ivonne  
**Subject:** Request - 1 hour documentary Special

Call from: Eric Ritter  
Organization: Executive Editor for Weinberger Media and Scott Sternberg Productions – program for Discovery Channel  
Number: (Office) 212-245-0237 ~~Ex 6~~  
(Cell call 247) <sup>(b)(6)</sup>  Ex 6

Request:  
Developing a 1 hour documentary special, would like to work with the NRC.  
Focus: how the Japan events are unfolding, what we are doing, what other agencies are doing, response to events.

0/54

**Royer, Deanna**

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**From:** Royer, Deanna  
**Sent:** Thursday, March 17, 2011 2:13 PM  
**To:** Couret, Ivonne  
**Subject:** Media - Question

Takao Ikeuchi  
Kyodo News

(b)(6) *Ex b*

(202-347-5767) *Ex b*

Re: Press release yesterday on 50 mile evacuation

Deanna Royer  
Contract Secretary  
301-415-8200

0/55

**Royer, Deanna**

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**From:** Royer, Deanna  
**Sent:** Thursday, March 17, 2011 3:25 PM  
**To:** Couret, Ivonne  
**Subject:** Media - Question

Pablo Scarpe  
El Mundo

(b)(6)

*ELL*

Re: Radiation going to CA

Deanna Royer  
Contract Secretary  
301-415-8200

*0/56*

## Ghneim, Munira

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**From:** Ghneim, Munira  
**Sent:** Thursday, March 17, 2011 4:26 PM  
**To:** Bonaccorso, Amy  
**Subject:** Brian Routhier - Concerned Citizen

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Good Afternoon Amy,

Brian Routhier would like you to call him because he would like to know how concerned he should be about the radiation levels. He may be reached at

(b)(6) or by email at (b)(6) Ex 6

Thank you,  
Munira Ghneim  
Contract Secretary  
Office of Information Services  
301-415-1170



## Deavers, Ron

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**From:** Tobin, Jennifer  
**Sent:** Thursday, March 17, 2011 5:02 PM  
**To:** Deavers, Ron  
**Cc:** Ridge, Christianne; Bonaccorso, Amy  
**Subject:** RE: Public Inquiry

Long discussion about similarities between Japanese and U.S. reactor designs (CA plants). She wants the plants shut down in case anything should happen like the events in Japan. I went through what it would take to shut a reactor down (extreme safety or security concern) and recommended that if she wanted to "have her voice heard", she should join a public activist group in her area.

-Jenny

**From:** Deavers, Ron  
**Sent:** Thursday, March 17, 2011 4:42 PM  
**To:** Tobin, Jennifer  
**Cc:** Ridge, Christianne; Bonaccorso, Amy; Deavers, Ron  
**Subject:** FW: Public Inquiry

Jennifer can you take this one?

**From:** Janbergs, Holly  
**Sent:** Thursday, March 17, 2011 4:40 PM  
**To:** Deavers, Ron  
**Subject:** Public Inquiry

Kelly Shinn

(b)(6)

would like to discuss similarities between our plants and Japan's and have some reassurance on our safeguards here

Beth Janbergs  
Public Affairs Assistant  
301-415-8211

**Medina, Veronika**

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**From:** Couret, Ivonne  
**Sent:** Thursday, March 17, 2011 1:05 PM  
**To:** Medina, Veronika  
**Subject:** Media Interview Request for Chairman.docx  
**Attachments:** Media Interview Request for Chairman.docx

Make this into spreadsheet with different columns as discussed. Thanks, Ivonne

**Media Interview Request (including for Chairman)**

**Sunday Fox News with Chris Wallace**

Andrea DeVito,  
Phone: 202-824-6494 Cell: (b)(6)  
When: Live, Sunday, 9am @ studio

**Today Show**

Robert Ciridon  
212-664-5459  
[Robert.ciridon@nbcuni.com](mailto:Robert.ciridon@nbcuni.com)

**NBC Nightly News /Brian Williams**

Rich Gardella  
202-445-3826  
Air/Tape today or tomorrow  
[Rich.gardella@nbcuni.com](mailto:Rich.gardella@nbcuni.com)

**ABC NEWS**

Daniel Steinberger  
202-567-8778

**BBC**

Laura Downtown  
202-492-4175  
Tim Faramond - London (to go to local BBC studio)  
00004-207-557-0497  
[Tim.faramond@bbc.co.uk](mailto:Tim.faramond@bbc.co.uk)

**CSPAN**

Lindley Smith  
202-870-8866  
[l.k.smith@cspan.org](mailto:l.k.smith@cspan.org)  
Sunday morning by phone

**Fox News**

Lorna  
202-316-6593  
Segment request

**ABC News - This Week**

Jack Date  
Senior Producer  
202-222-7662 (p)  
(b)(6) (c)  
[jack.v.date@abc.com](mailto:jack.v.date@abc.com)

**Request also to interview US NRC experts in Japan**

**FOX5 DC**

Beth  
202-895-3000  
10 PM news segment tonight  
[wttgdesk@foxtv.com](mailto:wttgdesk@foxtv.com)

**NBC Dateline - PRIMETIME for all affiliates**

Carly Segal  
212-413-6031  
[Carly.segal@nbcuni.com](mailto:Carly.segal@nbcuni.com)

**BBC Radio Five Live**

Chris Wands  
UK 011-44-208-624-9507  
[Chris.wands@bbc.co.uk](mailto:Chris.wands@bbc.co.uk)  
5 minute segment over the phone at the 8p.m show today(3/12) (EST) could do prerecording.

**List starting Sunday**

**Platts**

Yanmei Xie  
Phone 202-3832161  
[Yanmei\\_xie@platts.com](mailto:Yanmei_xie@platts.com)

**Beyond the Beltway - WLS 840AM**

Jason Seher  
Phone: 856-617-1216  
Jason. (b)(6) ] EX 6  
Phone Interview on show today (3/13) @ 7p.m

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

**Market Watch- NY**

Steve Gelsi  
973-744-6517  
[sgelsi@marketwatch.com](mailto:sgelsi@marketwatch.com)  
OPA provided him some #'s of reactors and website links including the Information Digest and Appendix A.

**Reuters**

Bill Berkrot

Call first - Phone: 646-223-6155 *ju*Email is [Bill.Berkrot@reuters.com](mailto:Bill.Berkrot@reuters.com)

Wants background information on KI and similar info

**CNN – Hong Kong Office**

Ramy Inocencio

[Ramy.inocencio@cnn.com](mailto:Ramy.inocencio@cnn.com)

Phone via Skype no hard line if someone can speak to him please email time to call in. (Reality he was going to sleep going to forward him links and NEI's contact.)

**NBC – all affiliate release**

Sheila Conlin

202-783-2615 *ju*[Sheila.conlin@nbcuni.com](mailto:Sheila.conlin@nbcuni.com)

Wants to be included on future distribution of all NRC press releases

**CNBC TV**

Kevin Flynn

Interview today – 5 min 8:30p.m.

# 201-290-9476

[Kevin.flynn@nbcuni.com](mailto:Kevin.flynn@nbcuni.com)

Looking to get someone in authority to reassure the public that this will not happen in the US and what we do to keep the people and environment safe...

**NPR – ON Point**

Karen Shiff

Cell: (b)(6) *EX 6*[kshiff@bu.edu](mailto:kshiff@bu.edu)

Looking for a person to call in interview for show tomorrow ( 3/14) at the 10-11a.m. EDT hour

**The Hill**

Andrew Restuccia

Staff Writer

[arestuccia@thehill.com](mailto:arestuccia@thehill.com)Office: 202-407-8012 *EX*Cell: (b)(6)

Follow me on twitter: @AndrewRestuccia

<http://thehill.com/blogs/e2-wire>G:/Crisis Communication/ Japan Quake tsunami/Media Interview Request for Chairman.docxILC As of 04/25/2011 7:52 AMWants background on any efforts by NRC  
**USATODAY**

Liz Szabo

703-854-5455 *ju*[Lszabo.usa.com](http://Lszabo.usa.com)

Experts wanted to talk about Heath Effects short term, long term for public and nuclear workers

**Canadian Broadcast Corp. (CVC TV)**

Brenda Hanna

416-205-6389 *ju*

Provided NEI contacts for other expert resources

**TIME**

Eben Harrell

44-203-148-3200 *ju*[Eben\\_harrel@timemagazine.com](mailto:Eben_harrel@timemagazine.com)

Requested interview settled for answers via email OPA already responded via email.

**List request starting Monday, March 14****Professional Engineer (PE Magazine)**

Ben Roode

703-684-2847 *ju*[Broode@nspe.org](mailto:Broode@nspe.org)Looking for background on how Professional Engineers (PEs have special certification not all engineers are PEs; think CPA) review construction, Building and standard codes to new and operating nuclear plant. Planning on writing article with the PE spin – **Forwarding Request to NRO/Reg 2****PBS Philadelphia**

Carolyn Beiber

Desk 215-351-3306 *EX 6*Cell: (b)(6)

Looking for an interview must here by 1p. today (3/14)

I said assume we do not have anyone to speak at this time.

**WJZTV (Ch. 13 Baltimore)**

Pete Amorgerian (sn)

410-578-7568

Email [amorgep@wiz.com](mailto:amorgep@wiz.com)

He would like to arrange an interview for the 5/6pm news hour today (3/14)  
I said NO interview available at this time will add him to list. Interview would be about TMI and how things have changed since then.

**AP wire**

Ray Henry  
404-522-8971 cell (b)(6) *30x6*  
Background and AP confirmation on items

**Fox News**

Whitney  
202-824-6369  
Wants someone to interview/ Request for B-Roll

**Reuters**

Ayesha Rascoe  
202-310-5683  
[Ayesha.rascoe@thomsonreuter.com](mailto:Ayesha.rascoe@thomsonreuter.com)  
\*Info on what NRC is doing regarding Japan

**National Public Radio "On Point"**

Julie Diop  
617-358-1468  
Wants Apostolakis to appear on show tomorrow to talk about future of US plants.

**NPR - DC**

Brakton Booker  
202-513-2131  
[bbooker@npr.org](mailto:bbooker@npr.org)  
Told them no interview at this time will forward for Background for a story about current events.

**AP, Chattanooga**

Bill Poovey  
423-266-4600  
Region 2 Responding to his request for area plant design background

Beau Koltnow at Channel 69 in PA wants to talk about emergency preparedness in light of the Japanese situation – he wants to know about safety procedures in PA, etc.

G:/Crisis Communication/ Japan Quake tsunami/Media Interview Request for Chairman.docx  
ILC As of 04/25/2011 7:52 AM

Told him he couldn't have an interview, so he said background would work.

[bkoltnow@wfmz.com](mailto:bkoltnow@wfmz.com)  
610-791-1111

Could you please add Peter Cook at Bloomberg to the listserv?

[pcook6@bloomberg.net](mailto:pcook6@bloomberg.net)  
202-422-3636

Could you please add Fox News' DC desk to the listserv?

[dc.desk@foxnews.com](mailto:dc.desk@foxnews.com)  
202-824-6369

**Radio Marti**

Joani Hilfer  
[jhilfer@ocb.ibb.gov](mailto:jhilfer@ocb.ibb.gov)  
305-437-7183

Joanie Hilfer would like to be added to our listserv. She's looking for more information about nuclear energy and risk, and apparently hasn't ever covered this type of story before. She'd also be interested in having someone who spoke Spanish do a live interview with her, but I put her off on that.

**Bloomberg Radio- NY**

Bernie Soriano  
He also would like to be added to the listserv:  
212-617-4216  
[Bsoriano1@bloomberg.net](mailto:Bsoriano1@bloomberg.net)  
from wants someone to do a radio interview over the phone later today. I told him I'd have him added to the queue.

Peter Cook at Bloomberg to the listserv?  
[pcook6@bloomberg.net](mailto:pcook6@bloomberg.net)  
202-422-3636

**Freelance Star, Fredricksburg**  
Rusty Dennon

540-374-5431

Background needed. Re: General Japan information.  
His e-mail is [Rdennen@freelancestar.com](mailto:Rdennen@freelancestar.com)

**WNYC Public Radio**

Julia Corcoran

646-829-4088

[jcorcoran@wnyc.org](mailto:jcorcoran@wnyc.org)

Request for interview today or anytime this week

[Adam.reiss@cnn.com](mailto:Adam.reiss@cnn.com)

**energyNOW!**

Ashley Bernardi

Senior Booker / Producer

[www.energynow.com](http://www.energynow.com)

(b)(6) cell

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

Twitter: EnergyNOWBooker

[tyler-suiters@energynow.com](mailto:tyler-suiters@energynow.com)

**Voice of America (Bengalised Language)**

Anis

202-382-5375

Cell: (b)(6)

NRC Staff prasant chowdhury

**ITN tv from London (DC Bureau)**

Shona Somerville

[Shona.somerville@itn.co.uk](mailto:Shona.somerville@itn.co.uk)

(b)(6) (cell)

**Tennille Tracy**

**Dow Jones Newswires | Wall Street**

**Journal**

Office: 202.862.6619 | Cell: (b)(6)

1025 Connecticut Ave NW, Washington

D.C., 20036

Interview request told them we are not available

[Tennille.Tracy@dowjones.com](mailto:Tennille.Tracy@dowjones.com)

Noreen

Dow Jones

212-416-4210

**MSNBC**

Lisa Nelson, MSNBC

G:/Crisis Communication/ Japan Quake tsunami/Media Interview Request for Chairman.docx

ILC As of 04/25/2011 7:52 AM

(212-664-1744) Beth directed her to DOE and NEI to respond to her request for an interview on the future of nuclear energy. I did acknowledge NRC would be testifying at the hearing on Wed.

**The Day**

Pat Tadona

860-701-4324

Seeking information (OPA replied unable to connect with requester/ busy)

**MedPage Today, LLC**

Crystal Phend

Senior Staff Writer

MedPage Today, LLC

150 Clove Rd.

Little Falls, NJ 07424

Voice: 559-960-5027

Fax: 973-890-1327

[c.phend@medpagetoday.com](mailto:c.phend@medpagetoday.com)

<http://www.medpagetoday.com>

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

**ABC "This Week" (See Sat list Jack Date)**

Kendall Heath

202-222-7854

Wants to set up Interview in our OPS center area to air 3/20

Call from: Bob Moffitt

Organization: Fox40 TV Sacramento, California

Number: 916-454-4548

Jeanne.Meserve - CNN

Her questions are:

Her deadline is 5 pm and her e-mail

address is [Jeanne.Meserve@turner.com](mailto:Jeanne.Meserve@turner.com)

Kate Eby, Fox News 40 in Sacramento, who would like someone for their morning program 3/15 to talk about the Japan situation.

[Kate.eby@fox40.com](mailto:Kate.eby@fox40.com)

Cell: (b)(6) JEX 6

**MSNBC Rachel Mado**

Interview tonight  
Show tonight 9EST  
212-664-1291 J

**Federal News Radio**

**Jamie Blanco**

Producer, The Federal Drive  
Federal News Radio

202 274 4824 - work JEX 6

(b)(6) - mobile

[jblanco@federalnewsradio.com](mailto:jblanco@federalnewsradio.com)

Tune in weekdays 6-10 a.m. for The  
Federal Drive With Tom Temin & Amy  
Morris, 1500 on the AM dial

[www.federalnewsradio.com](http://www.federalnewsradio.com)

Interview request.

**Morning News - KGO Radio**

NewsTalk 810

Claudia Lamb, producer.

(415) 216 - 1300 JEX 6

[claudialamb@abc-sf.com](mailto:claudialamb@abc-sf.com)

I produce the morning news at KGO radio in  
San Francisco, the ABC affiliate.

They are hoping to get someone available  
at either 8:45 or 10:15 am EDT tomorrow,  
3/15/11, to discuss the possibility a  
radioactive plume could reach the United  
States. There would be a brief Q & A with  
our anchors, Ed and Jennifer.

Request to former Commissioner Lyons  
from **Jose Duarte, a Chilean journalist**,  
obviously inquiring into the present nuclear  
consequences as a result of the Japanese  
quake.

He can be reached at 562-339-1099 JEX 6

BBC NEWS Washington Bureau

**Chloe Hadjimatheou**

202 441 5347

G:/Crisis Communication/ Japan Quake tsunami/Media Interview Request for Chairman.docx

ILC As of 04/25/2011 7:52 AM

2000 M Street, Suite 800

Washington DC 20036

Office: 202 355 1764 JEX 6

Cell: (b)(6)

<http://www.bbc.co.uk/news>

BBC in Washington DC are planning to put  
together a TV and radio report looking at the  
current debate in the USA over nuclear  
energy. If you did agree to an interview it  
would involve a 15 minute window in which  
we could do both TV and radio to know  
before the end of Friday(3/18).

**NHK Japan Broadcasting in DC.**

I was wondering if my email could be placed  
on a list for any media advisories, press  
conferences, statements that will come—  
especially as new developments occur on  
the nuclear reactors in Japan.

[Denawa@nhkdc.com](mailto:Denawa@nhkdc.com)

Thank you so much for your kind  
assistance,

Mai

Mai Denawa

Producer

NHK - Japan Broadcasting Corporation

2030 M Street N.W. #706

Washington, D.C. 20036

(202) 828 5180 (office) JEX 6

(b)(6) (cell)

[denawa@nhkdc.com](mailto:denawa@nhkdc.com)

**Producer, Reuters**

Margaret Chadbourn

Producer, Reuters

202-354-5806 JEX 6

Interview Request.

Michael R. Senyszyn

Editorial Assistant

U.S. Correspondence Bureau

Nikkei Business Publications, Inc.

1325 Avenue of the Americas, Suite 2404

New York, NY 10019  
t: 212-261-6450  
f: 212-261-6459  
c: (b)(6)  
E-mail: [mсенyszyn@nikkeibp-america.com](mailto:mсенyszyn@nikkeibp-america.com)  
Website: <http://www.nikkeibp.com/>

**The Lisa Wexler Show**  
Jaimee Kelsey  
Producer  
**The Lisa Wexler Show**  
**WWW.LISAWEXLER.COM**  
203.454.9960 (w)  
203.845.3050 (studio call-in number)  
**WATCH LIVE ON USTREAM.COM** forward  
request sent to region 1.

**Cormack Walsh, News Producer**  
Berlin, Germany  
Number: (49) 3046466933  
Request Interview: Expert to talk about  
Nuclear safety --They broadcast every 2  
hours -- would like someone today if  
possible. They are working through the  
night.

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

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

**CNN American Morning** - Kiran Chetry and  
Christine Romans  
Cara Kaplan  
646-734-2151  
24/7 phone is 212-275-7850  
Request Interview with CHAIRMAN ASAP  
She plans on sending email to OPA.  
Resource requesting Hearing Info

**Good Morning America with George  
Stephanolopoulos (sp)** at 7 a.m. Tuesday or  
so with the Chairman from a Washington  
studio  
Emily -- 202-407-5135

**Reuters -- 202-898-8322 Joanne Allen.**  
Seeking update

**BBC Radio -- Interview on World Today.**  
Could not make out callers name.  
Something like "Border" Number:  
011442075573588

**Bill O'Reilly CNBC** (name not making this  
up) 201-735-3043 Wants interview

Aaron Welch, **Japanese newspaper**, wants  
info on our team, what their mission is, etc.  
212-765-1240

**Star ledger from NJ** -- our reaction to  
events so far - 973-392-7919 Neil Region 1  
followed up.

**Kojo Namde (sp) show** sometime between  
noon to 2 -- what's happening in Japan,  
long-term health consequences, etc.  
202-885-1225; 703-864-1656

**Reuters Tom Doggin (sp?)**  
How will events in Japan affect schedule for  
AP1000 etc. 202-898-8320 Scott followed  
up

**ABC Radio Australia**  
Stephanie Marsh of ABC Radio Australia  
(61-3-9626-1624) would like a call back  
soon.

**List request Tuesday, March 15, 2011**

**Channel 4 (local?)**  
Natasha from is requesting an interview.  
Please call her on 202-885-4267. Scott  
handled.

Chairman Jaczko on our program at his first  
availability

Fox, Megan Brown from would like to do an  
interview with Jaczko this afternoon around 1-  
3.212-301-3854



**MSNBC**

Lisa Nelson, MSNBC

~~EXC~~ (212-664-1744) Beth directed her to DOE and NEI to respond to her request for an interview on the future of nuclear energy. I did acknowledge NRC would be testifying at the hearing on Wed.

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

~~EXC~~ Phone Number: 202-466-8793  
Org: Dutch Public TV  
E-Mail: [Jacqueline.eckmann@nos.nl](mailto:Jacqueline.eckmann@nos.nl)

**NPR**

Call from: Eliza Barclay  
Organization: NPR

~~EXC~~ Number: 202-513-2775  
Request interview with Chuck Casto  
No interview available at this time

**International Broadcaster from Germany Call**

Max Hoffman

~~EXC~~ Organization: Number: 202-600-6781  
Request for Chairman  
In-person TV interview – today, Wednesday or Thursday  
Focus: Hope Creek  
DC location looking for an expert does not have to be the Chairman.

FOX 5 News

Pat Corcoran

Senior Planning Editor, FOX 5 News

~~EXC~~ W: 202/895-3318; Planning Dept.: 202/895-3131  
Desk/Emergency: 202/895-3000  
5151 Wisconsin Avenue, NW, Washington, D.C. 20016

CALL 202/895-3000.

Watch FOX 5 Morning News live at

[www.myfoxdc.com](http://www.myfoxdc.com)

Do you have anyone available to do an in-studio interview with us around 7am tomorrow morning (Wed., March 16), re the latest from Japan?

We're in the Friendship Heights neighborhood, not too far downhill from your offices. If an in-studio interview won't work,

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I may be able to send a camera crew up there

**In The Arena, with host Eliot Spitzer.**

We are keen to have someone from NRC on our program tomorrow night to help us clarify what could be taking place at the Fukushima reactors.

Ana Bickford

Sr. Editorial Producer

CNN's In The Arena

212 275 7551

646 306 5684 ~~EXC~~

Ana.bickford@turner.com

30 for pre taping looking to speak with if not the Chairman another commissioner one on one with Larry Kudlow The Kudlow report Live at 7 to 8 p.m. DC.

I tried to transfer the call but got a busy signal.

She wants to schedule an interview with one of the Commissioners regarding testimony at tomorrow's hearing.

~~EXC~~ Please call 201-735-3170 or e-mail her -  
Krista.Braun@NBCUNI.com

Dan Hagarty

WEWS TV (ABC Ohio)

216-701-3841

Sent to Region III ~~EXC~~

Jane Miller

WBAL (NBC, Baltimore)

410-458-4102

Sahba

Discovery Chanel (I believe it might be Canada)

416-384-4433

~~EXC~~

Jim from BBC Radio 5-Life in London would like to speak to Jaczko or someone from his "team" regarding the situation in Japan.

~~EX 6 E~~ +44 208-624-9507

Julie Zann from CNN's Piers  
917-710-3968

~~EX 6 E~~ [Julie.zann@turner.com](mailto:Julie.zann@turner.com)

They are still interested in an interview for primetime and said they could do tomorrow or Friday Morgan tonight would like to do an interview on nuclear policy with Jaczko. Somewhere around 5 o'clock preferred. She is interested in knowing what our media setup is here, because apparently Rockville is too far away from DC.

**Call from: Lee Russ**

Organization: Fox News

Number: 202-297-6509

~~EX 6 E~~ Lee Russ from Fox would like to set up an interview with the Chairman at some point in the future. Specifics would be dependent on how likely that was. I told him I'd add him to the queue and we'd get back to him.

Eric Weiner

Producer

Tokyo Broadcasting System

Washington, DC Bureau

(202) 393-3801 (O)

~~EX 6 E~~ (b)(6) (C)

Arrival in Tokyo of the first members of the eight person team; we have teams on the ground and are very interested covering the NRC arrival and movements if possible.

This is for planning only and not for broadcast. We would like to know when the NRC team is arriving in Tokyo (more specifics than "Wednesday PM" if possible). Is there a local contact whom I could coordinate with? Thank you. Please let me know as soon as possible.

TRISTAN GOODLEY

G:/Crisis Communication/ Japan Quake tsunami/Media Interview Request for Chairman.docx  
ILC As of 04/25/2011 7:52 AM

DARLOW SMITHSON PRODUCTIONS  
SHEPHERDS BUILDING CENTRAL  
CHARECROFT WAY  
LONDON W14 0EE  
DIRECT LINE: +44 (0)20 7482 9642  
OFFICE: +44 (0)20 7482 7027  
FAX: +44 (0)20 7482 7039

~~EX 6 C~~  
If there is a possibility of making contact with Charles Castro in Japan I'd also be extremely keen to briefly discuss the operation with him though fully understand that this is an ongoing crisis and that opportunity is particularly unlikely.

Kindest Regards  
Tristan

Claudia Lamb  
Producer  
Morning News  
KGO Radio

NewsTalk 810

(415) 216 - 1300 ~~Jaczko~~

KGO radio in San Francisco, the ABC affiliate.

I'm hoping you have someone available at either 9:15, 10:15 or 11:15 am EDT tomorrow 3/16/11 morning to discuss the Japanese nuclear situation.

There would be a 3 minute Q & A with our anchors, Ed and Jennifer.

**Clear Channel Radio in Philadelphia**

Sunny Dang

610-235-6487 ~~Jaczko~~

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

CBS

Laura Strickler

202-457-1597 ~~Jaczko~~

[stricklerl@cbsnews.com](mailto:stricklerl@cbsnews.com)

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

Requests on March 16, 2011

Ana Bickford  
**In the Arena**  
**CNN**

212-275-7551 *JEX 6*  
Re: Interview status – She has been calling  
for 4 days

Alana (no last name)  
**Meet the Press**

202-885-4811 *JEX 6*  
Requested interview with the Chairman or a  
top official

Anne Yu  
**Fox 5 News in DC**

202-895-3114 *JEX 6*  
Re: Did a phone interview with Neil  
Sheehan and would like a guest tomorrow  
for a live show in DC

Erin (didn't get last name)  
**MSNBC (Hardball with Chris Matthews)**

202-885-4833 *JEX 6*  
Re: Interview with someone who has  
worked in power plant tonight at 5:00  
eastern for 10 min.

Will Shaw  
**CNBC**

201-735-2308 *JEX 6*  
Re: Inviting Chairman Klein on show for  
tomorrow.  
Worldwide Exchange

Krista Braun  
**CNBC**

201-735-3170 *JEX 6*  
Re: Chairman on show with Host Larry  
Kudlow.

Greg Ebben  
**Fox**

212-301-5051 *JEX 6*  
Re: Wants on air interview tomorrow  
morning. – Rankings of Safety of Nuclear  
Plants.  
[greg.ebben@foxnews.com](mailto:greg.ebben@foxnews.com)

Andrew Dallos

Rachel Maddow Show  
212-664-1291 *JEX 6*  
[Andrew.dallos@nbcuni.com](mailto:Andrew.dallos@nbcuni.com)  
Someone to interview tonight.

Rob Hendin

**Face the Nation, CBS**  
202-457-4450 *JEX 6*  
Would like to interview the Chairman this  
Sunday

Justin Smith

**Radio 3 AW Melvin**  
Would like to set up an interview regarding  
nuclear safety. Justin may be reached at  
61-405-449-031. *JEX 6*

Cara Coplin

**CNN**  
646-734-2151 *JEX 6*  
Would like to set up an interview with the  
Chairman.

Kendall Heath

**ABC**  
203-247-6567 *JEX 6*  
[kendall.heath@abc.com](mailto:kendall.heath@abc.com)  
Wants the chairman to appear on This  
Week w/Christiane Amanpour  
Tape Saturday or live Sunday

Alice Kelley

**ZDF German TV**  
202-285-5367 *JEX 6*  
Wants to come tape and interview someone  
from the commission  
[Kelley.a@zdf.de](mailto:Kelley.a@zdf.de)

K. Agle

**Fox news**  
[k.agle@foxnews.com](mailto:k.agle@foxnews.com)  
Wants someone to interview tonight

Brian Drew  
**WTOP Radio**

Would like to have a nuclear safety expert  
on air for a duration of three to five minutes.  
202-895-5060

Rania Zaydan  
**Australian Broadcasting Corp.**

[zaydan.rania@abc.net.au](mailto:zaydan.rania@abc.net.au)  
+61 412 322 107

Wants to set up an interview with the  
chairman can only do 5pm or later  
tomorrow.

Mitch Jeserich  
**Pacifica Radio Network**

[mitch@kpfa.org](mailto:mitch@kpfa.org)

Wants interview with chairman later today or  
tomorrow.

March 17, 2011

Alexandra Huntings  
**Canadian Broadcasting Corporation**  
Number: 416-205-3735

Request Interview with Chairman Jazcko

Michelle Moryc  
**Fox News Channel**  
Number: 212-301-5167  
E-mail: [michelle.moryc@foxnews.com](mailto:michelle.moryc@foxnews.com)

Request Interview: With Chairman or  
possibly NRC expert 4:00pm today

Peter Cook  
**Bloomberg TV**  
[Pcook6@bloomberg.net](mailto:Pcook6@bloomberg.net)  
202-624-1869  
Re: Interview - ASAP

Thursday, March 17, 2011

**Steger (Tucci), Christine**

---

**From:** Steger (Tucci), Christine  
**Sent:** Thursday, March 17, 2011 5:23 PM  
**To:** Harrington, Holly  
**Subject:** FW: Japan event Q&As - additional info

FYI – looks like Eliot and Beth are on the original distro. Wanted to pass it along to you.

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**From:** Givvines, Mary  
**Sent:** Thursday, March 17, 2011 3:01 PM  
**To:** NRR\_PMDA Distribution  
**Subject:** FW: Japan event Q&As - additional info

fyi

---

**From:** Leeds, Eric  
**Sent:** Thursday, March 17, 2011 2:38 PM  
**To:** Dean, Bill; McCree, Victor; Satorius, Mark; Collins, Elmo; Lew, David; Wert, Leonard; Pederson, Cynthia; Howell, Art; Boger, Bruce; Grobe, Jack; Wiggins, Jim; Evans, Michele; Sheron, Brian; Uhle, Jennifer; Johnson, Michael; Holahan, Gary; Haney, Catherine; Dorman, Dan; Miller, Charles; Moore, Scott; Doane, Margaret; Mamish, Nader; Boyce, Thomas (OIS); Schmidt, Rebecca; Powell, Amy; Brenner, Eliot; Hayden, Elizabeth; McDermott, Brian  
**Cc:** Virgilio, Martin; Weber, Michael; Ash, Darren; Nguyen, Quynh; Meighan, Sean; Kammerer, Annie; Landau, Mindy; Wittick, Brian; Morris, Scott; Bahadur, Sher; Blount, Tom; Brown, Frederick; Check, Michael; Galloway, Melanie; Gitter, Joseph; Givvines, Mary; Hiland, Patrick; Holian, Brian; Howe, Allen; Lee, Samson; Lubinski, John; McGinty, Tim; Nelson, Robert; Quay, Theodore; Ruland, William; Skeen, David  
**Subject:** Japan event Q&As - additional info

I've assigned Bob Nelson, Deputy Director, Division of Operating Reactor Licensing, as the NRR Coordinator for External Communications related to NRR's response to the recent events in Japan. Nelson and his team will be responsible for coordinating the development and review of related Qs & As, and coordinating the response to related controlled correspondence tasked to NRR, including related 2.206 petitions. Assisting Nelson will be Sean Meighan and Quynh Nguyen from the NRR front office, Eric Thomas from DIRS and a communications "tiger team" being formulated in DORL headed by Mike Markley. Harold Chernoff will also provide assistance as needed. Please forward all of your requests for support in this area to Nelson. (Extension 7298 and cell (b)(6))

(Ex. 6)

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

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**Royer, Deanna**

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**From:** Royer, Deanna  
**Sent:** Thursday, March 17, 2011 5:44 PM  
**To:** Deavers, Ron; Bonaccorso, Amy  
**Subject:** Public question

Nancy Strauss  
(626-458-6627) Ext  
(b)(6) cell) Ext  
Re: Risk in CA

Deanna Royer  
Contract Secretary  
301-415-8200

**Deavers, Ron**

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**From:** Ridge, Christianne  
**Sent:** Thursday, March 17, 2011 6:01 PM  
**To:** Deavers, Ron  
**Cc:** Bonaccorso, Amy; Tobin, Jennifer  
**Subject:** RE: Citizen Calls

Reply to Mrs. Lynn below.

**From:** Deavers, Ron  
**Sent:** Thursday, March 17, 2011 5:39 PM  
**To:** Ridge, Christianne  
**Cc:** Bonaccorso, Amy; Deavers, Ron; Tobin, Jennifer  
**Subject:** FW: Citizen Calls

Please call when you are free

**From:** OPA Resource  
**Sent:** Thursday, March 17, 2011 5:37 PM  
**To:** Deavers, Ron; Bonaccorso, Amy  
**Subject:** Citizen Calls

I'm in the OPA mailbox and don't want to switch in between min to send you messages. Here are two I just took.

Evelyn Silver  
(b)(6)

general info on disaster, I think

Mrs. Lynn  
(b)(6)

Is the plume coming to Calif. tomorrow, should she leave  
Individual specifically wanted to know if the plume would hit Southern vs. Northern California. I replied with response #1. She asked again and indicated news sources were reporting the plume would be over southern California tomorrow afternoon. I emphasized response #1 and suggested she look at RADNET if she needed more information, but I indicated the variations she would see were mostly due to variations in background radiation. She said she would not look at Radnet if she needed to register.

Office of Public Affairs  
US Nuclear Regulatory Commission  
301-415-8200  
[opa\\_resource@nrc.gov](mailto:opa_resource@nrc.gov)

**Deavers, Ron**

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**From:** Deavers, Ron  
**Sent:** Thursday, March 17, 2011 6:10 PM  
**To:** (b)(6) 6  
**Subject:** RE: IMPORTANT - Court Reporter offers Realtime Transcription of Meetings in Japan

6

Thank you for your idea and offer of help. We are fully staffed in all our response teams at this time.

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

**From:** OPA Resource  
**Sent:** Thursday, March 17, 2011 5:40 PM  
**To:** Deavers, Ron;  
**Subject:** FW: IMPORTANT - Court Reporter offers Realtime Transcription of Meetings in Japan

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

**From:** Thomas Hubbard (b)(6) 6  
**Sent:** Wednesday, March 16, 2011 12:42 PM  
**To:** OPA Resource  
**Subject:** IMPORTANT - Court Reporter offers Realtime Transcription of Meetings in Japan

NRC experts are now in Japan conducting meetings. No doubt somebody is taking some kind of notes, but consider realtime transcripts, daily copy, expedited transcripts?

If I can help, please consider Steve Hubbard as your Court Reporter of choice, to travel to Japan to meet that challenge,

[www.tshubbard.com](http://www.tshubbard.com)

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**Medina, Veronika**

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**From:** Couret, Ivonne  
**Sent:** Thursday, March 17, 2011 6:12 PM  
**To:** Medina, Veronika  
**Subject:** FW: any chance of talking to an evacuation expert?

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs  
Media Desk  
[opa.resource@nrc.gov](mailto:opa.resource@nrc.gov)  
301-415-8200

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

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

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**From:** Harris, Gardiner [<mailto:gardiner@nytimes.com>]  
**Sent:** Wednesday, March 16, 2011 2:58 PM  
**To:** OPA Resource  
**Subject:** any chance of talking to an evacuation expert?

Gardiner Harris  
Science Correspondent  
The New York Times  
1627 I Street NW  
Washington DC 20006  
desk: 202-862-0443  
cell: (b)(6)  
fax: 202-862-0427

EX 6

0/64

**Deavers, Ron**

---

**From:** Deavers, Ron  
**Sent:** Thursday, March 17, 2011 6:15 PM  
**To:** (b)(6)  
**Subject:** Link to CA Dept of Radiation Safety

Collin,

Per our conversation:

<http://nrc-stp.ornl.gov/asdirectory.html> (then click on CA)

**Deavers, Ron**

---

**From:** Deavers, Ron  
**Sent:** Thursday, March 17, 2011 6:34 PM  
**To:** (b)(6)  
**Subject:** RE: Response from "Contact the NRC Web Site Staff"

The NRC continues to monitor information regarding wind patterns near the Japanese nuclear power plants. Nevertheless, given the distance between Japan and Hawaii, Alaska, the U.S. Territories, and the U.S. West Coast we are not expected to experience any harmful levels of radioactivity.

You can check our web site at [www.nrc.gov](http://www.nrc.gov) for press releases and updated information.

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

**From:** OPA Resource  
**Sent:** Thursday, March 17, 2011 5:35 PM  
**To:** Deavers, Ron; Bonaccorso, Amy  
**Subject:** FW: Response from "Contact the NRC Web Site Staff"

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

**From:** NRCWEB Resource  
**Sent:** Wednesday, March 16, 2011 11:16 AM  
**To:** OPA Resource  
**Subject:** FW: Response from "Contact the NRC Web Site Staff"

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

**From:** (b)(6)  
**Sent:** Wednesday, March 16, 2011 11:01 AM  
**To:** NRCWEB Resource  
**Subject:** Response from "Contact the NRC Web Site Staff"

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

(b)(6) on Wednesday, March 16, 2011 at 11:00:39

comments: Openness

- ...in communications and decision-making
- ...transparent, forthright

How open is your agency in telling the western sea board about a slight possibility of a large amount of radioactive discharge traveling in our nations western direction, could that be a potential reality or is everyone just in panic mode over the media publications. The word spreading around in Washington state is unclear but lots of people seem to be taking precautions. Potassium iodide & tri-iodides are becoming scares around these parts. Would taking iodine tablets help radioactive contact if these rumors turned out to be true. I look forward to hearing what your agency has to say on this matter. sincerely, Jeff

O/666

organization:

address1:

address2:

city:

~~state~~ (b)(6)  
~~zip~~ (b)(6)  
country (b)(6)

phone:

---

**Deavers, Ron**

---

**From:** Deavers, Ron  
**Sent:** Thursday, March 17, 2011 6:45 PM  
**To:** OPA Resource  
**Cc:** Bonaccorso, Amy; Ridge, Christianne; Tobin, Jennifer; Deavers, Ron  
**Subject:** RE: have we ever had a problem with spent fuel pools at a us reactor

This is media, we do public, thanks.

**From:** OPA Resource  
**Sent:** Thursday, March 17, 2011 5:41 PM  
**To:** Deavers, Ron; Bonaccorso, Amy  
**Subject:** FW: have we ever had a problem with spent fuel pools at a us reactor

**From:** [scott.disavino@thomsonreuters.com](mailto:scott.disavino@thomsonreuters.com) [<mailto:scott.disavino@thomsonreuters.com>]  
**Sent:** Wednesday, March 16, 2011 12:52 PM  
**To:** OPA Resource; Burnell, Scott  
**Cc:** [eileen.ogrady@thomsonreuters.com](mailto:eileen.ogrady@thomsonreuters.com)  
**Subject:** have we ever had a problem with spent fuel pools at a us reactor

Hi Scott or whoever is on now

Have we ever had a problem with a spent fuel pool at a US reactor – something like an accident

Heat up of the water –

Fire on the rods –

Stuff like that,

Thanks,

Scott

Scott DiSavino  
Correspondent

Thomson Reuters

Phone: 1 646 223 6072

Mobile: (b)(6)

Email - [scott.disavino@thomsonreuters.com](mailto:scott.disavino@thomsonreuters.com)

Reuters (Instant) Messaging - [scott.disavino.thomsonreuters.com@reuters.net](mailto:scott.disavino.thomsonreuters.com@reuters.net)

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**Deavers, Ron**

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**From:** Deavers, Ron  
**Sent:** Thursday, March 17, 2011 6:48 PM  
**To:** (b)(6)  
**Subject:** RE: West Coast Radiation monitoring.

The United States Environmental Protection Agency provides an online radiation monitoring tool for this purpose. The url is <http://cdx.epa.gov>

**From:** OPA Resource  
**Sent:** Thursday, March 17, 2011 5:43 PM  
**To:** Deavers, Ron; Bonaccorso, Amy  
**Subject:** FW: West Coast Radiation monitoring.

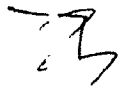
6

**From:** Michael Savage (b)(6)  
**Sent:** Wednesday, March 16, 2011 1:14 PM  
**To:** OPA Resource  
**Subject:** West Coast Radiation monitoring.

Hi I was wondering if you could tell me how I can best monitor West Coast radiation readings in real time and recommend resources that will give accurate information in regards to fallout radiation that might affect America.

Sincerely,

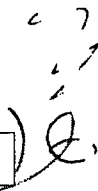
*Michael Savage*



< *Michael J. Savage*  
*Producer*

*(818) 422-4282*

(b)(6)



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**Deavers, Ron**

---

**From:** Deavers, Ron  
**Sent:** Thursday, March 17, 2011 7:13 PM  
**To:** Deavers, Ron; Bonaccorso, Amy; Tobin, Jennifer; Ridge, Christianne  
**Subject:** RE: Public question

response

**From:** Royer, Deanna  
**Sent:** Thursday, March 17, 2011 5:44 PM  
**To:** Deavers, Ron; Bonaccorso, Amy  
**Subject:** Public question

Nancy Strauss  
626-458-6627

(b)(6) cell 16

Re: Risk in CA - LA Times is reporting arrival of radiation in CA on Friday from Japan. Source cited is Laurence Livermore Labs. Tried very hard to convince the caller that the radioactivity will not reach harmful levels in CA. Unanswered questions from callers like this are: how much radiation is "not harmful"? and how long will it be here?

Deanna Royer  
Contract Secretary  
301-415-8200

**From:** Tobin, Jennifer  
**To:** (b)(6)  
**Cc:** Bonaccorso, Amy  
**Subject:** RE: Update US Navy Pumps----- Water Supply for Reactor Incident in Japan  
**Date:** Friday, March 18, 2011 5:11:48 PM

---

Dear Mr. LeGear,  
Thank you for your offer to help. Unfortunately we are not taking volunteers at this time. I encourage you to contact the Red Cross or another local humanitarian organization to offer your services noting the expertise of your crew. I hope that addresses your concern.

-Jenny

---

**From:** Dennis (b)(6)  
**Sent:** Friday, March 18, 2011 1:44 PM  
**To:** (b)(6); chauncevn@williamsfire.com; ffraser@landandforestry.com; robert.fenton@dhs.gov; (b)(6); cgenthner@keyfire.com; tfdinfo2@tfd.metro.tokyo.jp; (b)(6); mghilarducci@wittassociates.com; kim.zagaris@calema.ca.gov; (b)(6) OPA Resource  
**Subject:** Update US Navy Pumps----- Water Supply for Reactor Incident in Japan

**Pumps in motion:**

US Navy's Commander of the 7th Fleet mobilizing pumping assets to plant in Japan. I am wondering if these salvage pumps are of the type and design that would be able to provided enough pressure for adequate heavy streams through hose and fire service nozzles, or are they high flow-low pressure US Navy salvage pumps? Again thanks to all involved, I am please to see the mobilization of the US navy's pumping assests.

Dennis LeGear (b)(6)

<http://www.c7f.navy.mil/news/2011/03-march/040.htm>

**YOKOSUKA, Japan** - The U.S. Navy has provided five high-capacity pumping systems to Japan's Electrical and Mechanical Engineering Group Nuclear Asset Management Department to assist in the effort to cool the core of the damaged No. 3 reactor at the Fukushima Dai-Ichi nuclear power plant.

The five pumps came from the U.S. Naval Sea Systems Command (NAVSEA) Emergency Ship Salvage Material (ESSM) locker located in Sasebo, Japan.

The pumps were picked up from the Air Mobility Command (AMC) terminal at Fukuoka International Airport on Wednesday evening and flown via U.S. Air Force C-17 to Yokota Air Base. One U.S. Salvage Engineer and one Navy Master Diver from the CTF-73 staff in Singapore accompanied the pumps to Yokota where they met up with Japanese Civil Defense personnel to provide training on the equipment. The pumps will then be transported by the Japanese to the reactor site sometime Thursday.

The two U.S. salvage experts from Singapore will not travel to Fukushima to assist in the effort.

According to the ESSM website, [www.supsal.org](http://www.supsal.org), the ESSM system is a series of facilities located within the continental United States and at other sites around the world "that provide ship salvage, pollution control, and underwater ship husbandry equipment on an emergency or as required basis."

The U.S. Navy continues missions in support of Operation Tomodachi in response to the 9.0-magnitude earthquake and subsequent tsunamis that hit northern Japan March 11.

0/70



**From:** Janbergs, Holly  
**To:** Tobin, Jennifer; Bonaccorso, Amy; Harrington, Holly  
**Cc:** Deavers, Ron  
**Subject:** RE: Public Questions  
**Date:** Friday, March 18, 2011 3:12:57 PM

---

Followed up... ye gods

**From:** Tobin, Jennifer  
**Sent:** Friday, March 18, 2011 2:55 PM  
**To:** Bonaccorso, Amy; Harrington, Holly  
**Cc:** Deavers, Ron; Janbergs, Holly  
**Subject:** RE: Public Questions

I didn't have time to call Ms. Peters. Could somebody please do it?

I have to go over to the Op. Center for my shift. I can still respond to email requests so you can continue to send me the technical responses to respond via email.

Thanks!  
-Jenny

**From:** Bonaccorso, Amy  
**Sent:** Friday, March 18, 2011 1:45 PM  
**To:** Tobin, Jennifer  
**Cc:** Deavers, Ron; Janbergs, Holly  
**Subject:** FW: Public Questions

Want these? Sounds like a good one for a technical person...

**From:** Royer, Deanna  
**Sent:** Friday, March 18, 2011 1:42 PM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** Public Questions

Patricia Madeley  
(b)(6)

Re: How can she monitor the radiation in SC. What gov. agency can she contact in SC

Letitia Peters (b)(6)  
(b)(6)

re: PROTOCOL testing of radiation at her home

Deanna Royer

0/71

**From:** Tobin, Jennifer  
**To:** Bonaccorso, Amy  
**Cc:** Deavers, Ron; Janbergs, Holly  
**Subject:** RE: Public Questions  
**Date:** Friday, March 18, 2011 1:49:40 PM

---

Sure, calling

**From:** Bonaccorso, Amy  
**Sent:** Friday, March 18, 2011 1:45 PM  
**To:** Tobin, Jennifer  
**Cc:** Deavers, Ron; Janbergs, Holly  
**Subject:** FW: Public Questions

Want these? Sounds like a good one for a technical person...

**From:** Royer, Deanna  
**Sent:** Friday, March 18, 2011 1:42 PM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** Public Questions

Patricia Madeley

(b)(6)

Re: How can she monitor the radiation in SC. What gov. agency can she contact in SC

Letitia Peters - (b)(6)

(b)(6)

Re: Protocol for testing of radiation at her home

Deanna Royer

0/72

**From:** Bonaccorso, Amy  
**To:** Tobin, Jennifer  
**Subject:** FW: Radiation Question  
**Date:** Friday, March 18, 2011 10:41:45 AM

---

Jenny:

Thought you would be a good person to respond to this one.

Thanks,

Amy

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

**From:** Janbergs, Holly  
**Sent:** Friday, March 18, 2011 8:09 AM  
**To:** Bonaccorso, Amy  
**Subject:** FW: Radiation Question

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

**From:** Couret, Ivonne  
**Sent:** Thursday, March 17, 2011 6:31 PM  
**To:** Janbergs, Holly  
**Subject:** FW: Radiation Question

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs  
Media Desk  
opa.resource@nrc.gov  
301-415-8200

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

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

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

**From:** (b)(6)  
**Sent:** Wednesday, March 16, 2011 6:29 PM  
**To:** OPA Resource  
**Subject:** Radiation Question

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

(b)(6) on Wednesday, March 16, 2011 at 18:28:48

---

comments: Dear Folks,  
Will the nuclear cloud affect the Boreallis in the northern hemisphere.

0/73

contactName: Daisey Fish

phone:

(b)(6)

---

**From:** Tobin, Jennifer  
**To:** (b)(6)  
**Bcc:** Bonaccorso, Amy  
**Subject:** RE: Radiation Question  
**Date:** Friday, March 18, 2011 12:41:00 PM

---

Dear Ms. Fish,  
Thank you for your inquiry. At this time, we have no information that would lead us to believe that the events in Japan will affect the Boreallis. As the situation continues to unfold, our experts will gain a better understanding of potential affects to the atmospheric environment.

-Jenny

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

**From:** (b)(6) (b)(6)  
**Sent:** Wednesday, March 16, 2011 6:29 PM  
**To:** OPA Resource  
**Subject:** Radiation Question

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

(b)(6) on Wednesday, March 16, 2011 at 18:28:48

---

comments: Dear Folks,  
Will the nuclear cloud affect the Boreallis in the northern hemisphere.

contactName: Daisey Fish

phone: (b)(6)

---

0/74

**From:** Tobin, Jennifer  
**To:** Deavers, Ron  
**Cc:** Bonaccorso, Amy; Ridge, Christianne  
**Subject:** RE: Radiation Question  
**Date:** Friday, March 18, 2011 12:20:00 PM

---

Called and answered that EPA monitors radiation levels on a national basis. I told him about radnet and offered some explanation that the readings weren't recorded in terms of dose but the counts /minute could provide some insight into background and trends.

-Jenny

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

From: Deavers, Ron  
Sent: Thursday, March 17, 2011 7:16 PM  
To: Tobin, Jennifer  
Cc: Bonaccorso, Amy; Ridge, Christianne; Deavers, Ron  
Subject: FW: Radiation Question

Jenny can you do this when you are not busy

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

From: OPA Resource  
Sent: Thursday, March 17, 2011 5:53 PM  
To: Deavers, Ron; Bonaccorso, Amy  
Subject: FW: Radiation Question

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

From: (b)(6)  
Sent: Wednesday, March 16, 2011 1:42 PM  
To: OPA Resource  
Subject: Radiation Question

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

(b)(6) on Wednesday, March 16, 2011 at 13:42:17

comments: It is my understanding that the NRC is the only U.S. agency monitoring Atmospheric radiation over the Pacific North West. Is there a place where the public can view a synopsis of this information on a daily basis?

contactName: David Struve

phone: (b)(6)

0/75

**From:** Tobin, Jennifer  
**To:** (b)(6) ] ex 6  
**Bcc:** Bonaccorso, Amy  
**Subject:** RE: Response from "Contact the NRC Web Site Staff"  
**Date:** Friday, March 18, 2011 1:33:00 PM

---

Dear Mr. Stack,

The NRC requires that all of the reactors in the United States have at least one back-up generator per reactor unit. Often, the reactor operators have multiple back-up generators per unit since any reactor downtime means that they are losing money.

Additionally, the NRC completes extensive health and safety and environmental reviews which include considerations from natural disasters. I hope this answers your question.

-Jenny

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

**From:** timothy f. stack (b)(6) ] ex 6  
**Sent:** Friday, March 18, 2011 11:43 AM  
**To:** NRCWEB Resource  
**Subject:** Response from "Contact the NRC Web Site Staff"

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

timothy f. stack (b)(6) ] ex 6 on Friday, March 18, 2011 at 11:42:52

---

comments: Question: Do the nuclear plants in the U.S. have back-up pumping (gas, diesel, propane, etc. driven) capability to supply water to the spent fuel pools in case of a total loss of electricity as in the Japan earthquake/tsunami

organization: (b)(6)

address1: (b)(6)

address2:

city: (b)(6)

state: (b)(6)

zip: (b)(6)

country: (b)(6)

phone:

---

0/76

**From:** Bonaccorso, Amy  
**To:** Tobin, Jennifer; (b)(6)  
**Cc:** Deavers, Ron; Janbergs, Holly  
**Subject:** RE: limerick power plant  
**Date:** Friday, March 18, 2011 1:30:17 PM

---

Jenny – you are so good!

Thanks,

Amy

**From:** Tobin, Jennifer  
**Sent:** Friday, March 18, 2011 1:29 PM  
**To:** (b)(6)  
**Subject:** RE: limerick power plant

To whom it may concern,

Thank you for your inquiry. The Limerick plant's operating license was issued in 1985 for a 40 year lifetime. That license is not due to expire until 2024 and may be extended for another 20 years. If the licensee would like to extend the lifetime, it must submit an application for lifetime extension to the NRC for review. This review process typically takes 3-5 years. There is at least one NRC employee (called a resident inspector) stationed on-site at the Limerick facility.

If your KI pills have expired, you need to contact your State (Pennsylvania) Bureau of Radiation Protection. They can be reached at 717-787-2480.

I hope this information addresses your questions.

-Jenny

**From:** (b)(6)  
**Sent:** Wednesday, March 16, 2011 8:05 PM  
**To:** NRC Allegation  
**Subject:** limerick power plant

(b)(6) I am a little concerned about limerick. there is a quarry less than a mile away and in the paper recently they said they were going to do some blasting. I read your article that limerick was third on the list. I remember when they built that plant that it was good for twenty years life it has been well over twenty years since it has been operating. also (b)(6)

(b)(6)  
(b)(6) if you have any info. please let me know thanks

0/77



**From:** Bonaccorso, Amy  
**To:** Tobin, Jennifer  
**Cc:** Janbergs, Holly; Deavers, Ron  
**Subject:** RE: Radiation Question  
**Date:** Friday, March 18, 2011 12:49:59 PM

---

You rock - I knew you'd be able to say something specific to her!

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

**From:** Tobin, Jennifer  
**Sent:** Friday, March 18, 2011 12:49 PM  
**To:** (b)(6)  
**Subject:** RE: Radiation Question

Dear Mr. Powell,

Thank you for your inquiry. All of the information available continues to indicate that no harmful level of radiation will reach the United States (including Alaska, Hawaii and the west coast).

In general, metal slows down/stops alpha and beta radiation particles and thus may offer some level of protection from those two types of particles (lead is the best at doing so). More information concerning radiation can be found on our website [www.nrc.gov](http://www.nrc.gov).

I hope that answered your question.

-Jenny

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

**From:** (b)(6)  
**Sent:** Thursday, March 17, 2011 8:38 AM  
**To:** OPA Resource  
**Subject:** Radiation Question

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

(b)(6) on Thursday, March 17, 2011 at 08:38:25

---

comments: While all the media is talking about Radiation, please explain what protection is provided by living in a Structure / Manufactured home with a copper / metal roof ?

contactName: DL Powell

phone:

---

0/78

**From:** [Tobin, Jennifer](#)  
**To:** [Bonaccorso, Amy](#)  
**Cc:** [Deavers, Ron](#)  
**Subject:** RE: Public - Question  
**Date:** Friday, March 18, 2011 12:49:00 PM

---

I'll give them both a call (or email if they don't answer).

**From:** Bonaccorso, Amy  
**Sent:** Friday, March 18, 2011 11:36 AM  
**To:** Tobin, Jennifer  
**Cc:** Deavers, Ron  
**Subject:** FW: Public - Question

Jenny:

Again - it might be more reassuring for these people to talk to someone with technical background.

**From:** Royer, Deanna  
**Sent:** Friday, March 18, 2011 11:02 AM  
**To:** Deavers, Ron; Bonaccorso, Amy  
**Subject:** Public - Question

David Babcock

(b)(6)

[babcockd@fivestarproducts.com](mailto:babcockd@fivestarproducts.com)

Re: Any changes with number of plants or developing new plants

Gordon Dougan

(b)(6)

Re: reactor being built in CO

Deanna Royer

0/79

**From:** [Harrington, Holly](#)  
**To:** [Deavers, Ron](#)  
**Cc:** [Bonaccorso, Amy](#); [Ridge, Christianne](#); [Tobin, Jennifer](#); [Burnell, Scott](#)  
**Subject:** RE: hydrogen leakage measurement inquires from Mexico  
**Date:** Friday, March 18, 2011 10:07:01 AM

---

You can send back to me or directly to [lia03.hoc@nrc.gov](mailto:lia03.hoc@nrc.gov)

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

From: Deavers, Ron  
Sent: Friday, March 18, 2011 8:56 AM  
To: Harrington, Holly  
Cc: Bonaccorso, Amy; Ridge, Christianne; Tobin, Jennifer; Deavers, Ron; Burnell, Scott  
Subject: FW: hydrogen leakage measurement inquires from Mexico

Holly, Should we send calls like this to OIP?

Ron Deavers

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

From: LIA08 Hoc  
Sent: Thursday, March 17, 2011 8:30 PM  
To: Deavers, Ron  
Cc: LIA02 Hoc; LIA06 Hoc; Burnell, Scott; Fehst, Geraldine; Stahl, Eric  
Subject: RE: hydrogen leakage measurement inquires from Mexico

Hi Ron,

I do not believe the IRC staff should be responding to this request from an member of the Mexican nuclear power industry. Suggest OIP handle this through non-emergency channels. Sound okay to you?

Rani Franovich  
Liaison Team Coordinator

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

From: LIA02 Hoc  
Sent: Thursday, March 17, 2011 8:20 PM  
To: LIA08 Hoc  
Subject: FW: hydrogen leakage measurement inquires from Mexico

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

From: Deavers, Ron  
Sent: Thursday, March 17, 2011 7:26 PM  
To: LIA02 Hoc  
Cc: Bonaccorso, Amy; Tobin, Jennifer; Ridge, Christianne; Deavers, Ron  
Subject: FW: hydrogen leakage measurement inquires from Mexico

Forward foreign info request ...

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

From: OPA Resource  
Sent: Thursday, March 17, 2011 6:19 PM  
To: Deavers, Ron; Bonaccorso, Amy  
Subject: FW: hydrogen leakage measurement inquires from Mexico

0/80

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

From: PDR Resource  
Sent: Thursday, March 17, 2011 5:49 PM  
To: OPA Resource  
Subject: hydrogen leakage measurement inquires from Mexico

This requester in Mexico sent their questions to the web team overnight. The web team forwarded them to us.

Are these questions something we should answer, or should OIP respond? If so, I don't know have a general e-mail address for OIP.

Thanks,  
Karen  
PDR  
415-4737

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

From: NRCWEB Resource  
Sent: Thursday, March 17, 2011 3:00 AM  
To: PDR Resource  
Subject: FW: Response from "Contact the NRC Web Site Staff"

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

From: Francisco Tijerina [<mailto:francisco.tijerina@cfе.gob.mx>]  
Sent: Thursday, March 17, 2011 2:46 AM  
To: NRCWEB Resource  
Subject: Response from "Contact the NRC Web Site Staff"

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

Francisco Tijerina (francisco.tijerina@cfе.gob.mx) on Thursday, March 17, 2011 at 02:46:06  
-----

comments: could you send me please the next informaton:

- 1) I need information (NUREG, GUIDE REGULATORY, GENERIC LETER,ETC) connected with "hydrogen leakage measurement" in building areas of RFW by used the injection of hydrogen into Reactor Feed Water system to mitigate failure in material internal of reactor.
- 2) which are nuclear plants in EEUU, that use technology romote for measure hydrogen leakage in RFW?
- 3) which is the technology of measure hydrogen leakage approved by NRC (Topical Report)?

Thanks by your technical support

Best ragards

Francisco Tijerina  
Laguna Verde Nuclear Plant  
francisco.tijerina@cfе.gob.mx

organization: LAGUNA VERDE NUCLEAR PLANT

address1: LAGUNA VERDE NUCLEAR PLANT

address2:

city: (b)(6)

state: ---

zip:

country: (b)(6)

phone (b)(6)

---

**From:** Ridge, Christianne  
**To:** Tobin, Jennifer  
**Subject:** FW: Dose Table in Press Release  
**Date:** Friday, March 18, 2011 8:19:48 AM

---

FYI

---

**From:** Holahan, Vincent  
**Sent:** Thursday, March 17, 2011 7:34 PM  
**To:** Ridge, Christianne  
**Subject:** Re: Dose Table in Press Release

Fours days. Plume passage plus ground shine.

Sent from an NRC Blackberry  
Vincent Holahan

(b)(6)

---

**From:** Ridge, Christianne  
**To:** Holahan, Vincent; Cool, Donald  
**Sent:** Thu Mar 17 17:26:49 2011  
**Subject:** Dose Table in Press Release

Vince, Don, -- We are getting public questions about the dose table in yesterday's press release (below). What is the duration of exposure assumed? Thank you.  
[http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-050\\_Atchmt.pdf](http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-050_Atchmt.pdf)

0/81

**From:** [Bonaccorso, Amy](#)  
**To:** [Tobin, Jennifer](#)  
**Subject:** FW: Public question - Should I actually send this question to Amy?  
**Date:** Friday, March 18, 2011 3:46:30 PM

---

Jenny – can you get this?

**From:** Royer, Deanna  
**Sent:** Friday, March 18, 2011 3:44 PM  
**To:** Bonaccorso, Amy  
**Subject:** FW: Public question - Should I actually send this question to Amy?

James Lawson

(b)(6)

Re: was there a secret nuclear facility in Oakridge TN the 40's? (b)(6)

(b)(6)

Was it possible that it was really radiation?

Deanna Royer

0/82

**From:** [Bonaccorso, Amy](#)  
**To:** [Tobin, Jennifer](#)  
**Subject:** RE: Public Questions  
**Date:** Friday, March 18, 2011 3:05:19 PM

---

Thanks so much Jenny.

**From:** Tobin, Jennifer  
**Sent:** Friday, March 18, 2011 2:55 PM  
**To:** Bonaccorso, Amy; Harrington, Holly  
**Cc:** Deavers, Ron; Janbergs, Holly  
**Subject:** RE: Public Questions

I didn't have time to call Ms. Peters. Could somebody please do it?

I have to go over to the Op. Center for my shift. I can still respond to email requests so you can continue to send me the technical responses to respond via email.

Thanks!  
-Jenny

**From:** Bonaccorso, Amy  
**Sent:** Friday, March 18, 2011 1:45 PM  
**To:** Tobin, Jennifer  
**Cc:** Deavers, Ron; Janbergs, Holly  
**Subject:** FW: Public Questions

Want these? Sounds like a good one for a technical person...

**From:** Royer, Deanna  
**Sent:** Friday, March 18, 2011 1:42 PM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** Public Questions

Patricia Madeley

(b)(6)

Re: How can she monitor the radiation in SC. What gov. agency can she contact in SC

Letitia Peters - (b)(6)

(b)(6)

Re: Protocol for testing of radiation at her home

Deanna Royer

0/83



**From:** [Tobin, Jennifer](#)  
**To:** [Bonaccorso, Amy](#)  
**Subject:** RE: questions on spent fuel  
**Date:** Friday, March 18, 2011 5:08:24 PM

---

This should go to Mindy Landau. It is from the media.

Thanks!  
-Jenny

---

**From:** Bonaccorso, Amy  
**Sent:** Friday, March 18, 2011 2:44 PM  
**To:** Tobin, Jennifer  
**Subject:** FW: questions on spent fuel

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

**From:** Janbergs, Holly On Behalf Of OPA Resource  
**Sent:** Friday, March 18, 2011 2:43 PM  
**To:** Bonaccorso, Amy  
**Subject:** FW: questions on spent fuel

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

**From:** Lynn Garner [<mailto:lgarner@bna.com>]  
**Sent:** Friday, March 18, 2011 1:29 PM  
**To:** OPA Resource  
**Subject:** questions on spent fuel

Hi,

3 questions:

1. what is the total volume of used fuel in pools at US commercial power plants nationwide?
2. what is the average volume of spent fuel in the pools at reactor plants?
3. how much spent fuel is stored in dry cask storage nationwide now?
4. are there any regulations that say how much used fuel can be kept in pools?

Thanks,  
Lynn

W. Lynn Garner, Staff Writer  
Bureau of National Affairs'  
Daily Report for Executives  
1801 South Bell Street, Arlington, VA 22202  
(office) 703-341-5811 (cell) (b)(6)  
[lgarner@bna.com](mailto:lgarner@bna.com) [www.bna.com](http://www.bna.com)

0/84

**From:** Fred Gulitz  
**To:** Janbergs, Holly  
**Subject:** Re: Suggestion  
**Date:** Friday, March 18, 2011 6:37:28 PM

---

Dear Ms. Janbergs,

Thanks for getting back to me. I also sent a suggestion that perhaps one of the nuclear powered aircraft carriers could dock closer to the reactor site and they could hook some sort of electric cabling to the carrier to provide the much needed energy to run pumps, etc. to help abate the situation. I'm not saying they would need to move a carrier within harms way but close enough to help supplement the electricity they've lost.

Kind regards,  
Fred Gulitz

**From:** Janbergs, Holly  
**Sent:** Friday, March 18, 2011 5:09 PM  
**To:** (b)(6) E.v.g.  
**Subject:** Re: Suggestion

Mr. Gulitz,

Thank you for sending your ideas on the use of tiles as a heat shield to help combat the situation in Japan. We appreciate suggestions that work toward resolving this ongoing crisis; it's reassuring to see how helpful and dedicated private citizens have been in light of this disaster.

The NRC has been working 24-hours a day to fully staff our response teams and monitor the situation overseas. We also have some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We will be doing everything we can in this difficult time.

Thank you again,  
Holly Janbergs  
Public Affairs Assistant

0/85

**From:** Janbergs, Holly on behalf of OPA Resource  
**To:** Couret, Ivonne  
**Subject:** FW: # Spent Fuel Rods Nationwide  
**Date:** Friday, March 18, 2011 5:45:00 PM

---

**From:** Strickler, Laura [mailto:StricklerL@cbsnews.com]  
**Sent:** Friday, March 18, 2011 5:38 PM  
**To:** OPA Resource  
**Cc:** Strickler, Laura  
**Subject:** # Spent Fuel Rods Nationwide

Hello –

Question from CBS News – is the **total number of spent fuel rods in the 104 nuclear facilities nationwide a PUBLIC figure?** If so, can we get the most current figure? Thank you very much.

Laura Strickler

CBS News

Cell (b)(6)

Ex. 6

Office 202-457-1597

0/86

**From:** Janbergs, Holly  
**To:** Couret, Ivonne  
**Subject:** FW: request from Washington Post  
**Date:** Friday, March 18, 2011 5:32:00 PM

---

Wanted to follow up ... explained eliot was prob too busy to see it. They'd like a response in the next few hours if at all possible – otherwise it's too late

---

**From:** Autumn Brewington [mailto:BrewingtonA@washpost.com]  
**Sent:** Friday, March 18, 2011 5:31 PM  
**To:** Janbergs, Holly  
**Subject:** Fw: request from Washington Post

Is it possible to find out whether anyone was working on this?

---

Autumn Brewington  
Assistant Editorial Page Editor  
BrewingtonA@washpost.com  
202.334.5120

----- Forwarded by Autumn Brewington/news/TWP on 03/18/2011 05:30 PM -----

**From:** "Stephen Stromberg" <Stephen.Stromberg@washingtonpost.com>  
**To:** "Brenner, Eliot" <Eliot.Brenner@nrc.gov>  
**Cc:** "Autumn A Brewington" <BrewingtonA@washpost.com>  
**Date:** 03/17/2011 02:32 PM  
**Subject:** Another request

---

Hi Eliot,

Sorry we couldn't connect yesterday. I have another request for you, though, from our op-ed page editor (cced here). She's looking for a few short (roughly 200-word) pieces on the following question: Following events in Japan, will there still be enough political support for a "nuclear renaissance" in America? Would the chairman be interested in sending a brief comment in by tomorrow, around noon, on this?

Thanks.

Best,  
Steve

Steve Stromberg  
Deputy Opinions Editor  
Editorial Writer  
The Washington Post  
Office: 202.334.6370

Cell: (b)(6) E-6

0/87

**From:** Janbergs, Holly  
**To:** (b)(6)  
**Subject:** Re: Volunteer Offer  
**Date:** Friday, March 18, 2011 5:13:00 PM

---

Ms. Treacy,

I appreciate your willingness to volunteer your services in this time of need for Japan. The absolute selflessness and compassion I am hearing every day from American citizens is one thread of hope in this difficult situation.

I'm afraid I can't offer you specific guidance. Unfortunately, the NRC is not accepting volunteers at this time. I would suggest contacting Red Cross or another relief organization in your area. Every volunteer helps in such a troubling time.

Thank you again,

Holly Janbergs  
Public Affairs Assistant

0/88

**From:** Janbergs, Holly  
**To:** (b)(6) Ex. 6  
**Subject:** Re: Suggestions  
**Date:** Friday, March 18, 2011 5:10:00 PM

---

Mr. Carriker,

Thank you for sending your ideas on the use of liquid nitrogen and hydrogen tanks to combat the situation in Japan. We appreciate suggestions that work toward resolving this ongoing crisis; it's reassuring to see how helpful and dedicated private citizens have been in light of this disaster.

The NRC has been working 24-hours a day to fully staff our response teams and monitor the situation overseas. We also have some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We will be doing everything we can in this difficult time.

Thank you again,  
Holly Janbergs  
Public Affairs Assistant

0/89

**From:** Janbergs, Holly  
**To:** (b)(6) Ex 6  
**Subject:** Re: Suggestion  
**Date:** Friday, March 18, 2011 5:09:00 PM

---

Mr. Gulitz,

Thank you for sending your ideas on the use of tiles as a heat shield to help combat the situation in Japan. We appreciate suggestions that work toward resolving this ongoing crisis; it's reassuring to see how helpful and dedicated private citizens have been in light of this disaster.

The NRC has been working 24-hours a day to fully staff our response teams and monitor the situation overseas. We also have some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We will be doing everything we can in this difficult time.

Thank you again,  
Holly Janbergs  
Public Affairs Assistant

0/90

**From:** Janbergs, Holly on behalf of OPA Resource  
**To:** Janbergs, Holly  
**Subject:** FW: events in Japan  
**Date:** Friday, March 18, 2011 5:07:00 PM

---

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

**From:** Karen Treacy [REDACTED] Ex 6  
**Sent:** Friday, March 18, 2011 5:06 PM  
**To:** OPA Resource  
**Subject:** events in Japan

Dear Sir or Ma'am,

In the past I worked at [REDACTED]

[REDACTED] [REDACTED] It seems likely to me that there will be a need for volunteers of this type in Japan, especially in checking people and possessions for contamination and monitoring levels near emergency shelters. While I am [REDACTED]

[REDACTED]

If the NRC is not planning a response team, could you advise who might be, such as the Red Cross?

Thank you.

Karen Treacy

[REDACTED]

0/91



**From:** Janbergs, Holly  
**To:** Tobin, Jennifer  
**Subject:** RE: Technical Qs  
**Date:** Friday, March 18, 2011 5:18:16 PM

---

Awesome. You are my new favorite person.

First guy is below: he was very adamant. I'll forward other e-mail... this should be it for tonight!

Marshall Tuck

(b)(6)

Wants to know:

Are we storing spent fuel rods vertically? If so, why? Shouldn't they be stored horizontally? If there is a problem and the rods need to be covered, it is a lot easier to fill a pool with a foot of water than 12 ft (or whatever the case may be)

Thank you again!

**From:** Tobin, Jennifer  
**Sent:** Friday, March 18, 2011 5:13 PM  
**To:** Janbergs, Holly  
**Subject:** RE: Technical Qs

yup. i'm at the ops center until 11 tonight

---

**From:** Janbergs, Holly  
**Sent:** Friday, March 18, 2011 5:08 PM  
**To:** Tobin, Jennifer  
**Subject:** Technical Qs

Are you still available to answer a few technical questions over e-mail?

0/92

**From:** Janbergs, Holly on behalf of OPA Resource  
**To:** Janbergs, Holly  
**Subject:** FW: Nuclear plants, Japan  
**Date:** Friday, March 18, 2011 5:06:00 PM

---

**From:** Leland (b)(6) Ex. 6  
**Sent:** Friday, March 18, 2011 5:04 PM  
**To:** OPA Resource  
**Subject:** Re: Nuclear plants, Japan

Another note if the below is deemed possible, I thought about the delivery of such and if they can put a small breaching charge on the valve of a Nitrogen/Hydrogen tank and lower the tank down into the core and detonate the charge, that might be a way of delivering the coolant.

---

**From:** Leland (b)(6) Ex. 6  
**To:** opa.resource@nrc.gov  
**Sent:** Thu, March 17, 2011 6:37:41 PM  
**Subject:** Nuclear plants, Japan

**To whom it may concern,**

**Got to thinking about Japan's situation and came up with an idea on the cooling if it could be done.**

**If they could somehow introduce liquid nitrogen or hydrogen into the water that is being used to cool it down, might bring about a more controllable situation.**

**Just a thought,**

**Leland Carriker**

**North Pole.** (b)(6)  
(b)(6)  
(cell) Ex. 6

0/93

**From:** Bonaccorso, Amy  
**To:** (b)(6) Ex. 6  
**Subject:** REPLY: Radiation Question  
**Date:** Friday, March 18, 2011 4:01:19 PM

---

Hello:

I can certainly understand why you would be worried.

We recommend that you touch base with your airline for any travel advisories or restrictions. We can't advise people on their personal travel plans, but hopefully, the airlines will have some information to help you make a good decision.

Another option is to contact the State Department. They have an email address for US citizens on foreign travel. JapanEmergencyUSC@state.gov.

Hope this helps!

Thank you,

Amy

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

**From:** (b)(6) Ex. 6  
**Sent:** Friday, March 18, 2011 3:45 PM  
**To:** OPA Resource  
**Subject:** Radiation Question

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

(b)(6) Ex. 6  
on Friday, March 18, 2011 at 15:45:29

---

comments: I am traveling to (b)(6) next week. As of now are there any alerts as to the the drift of nuclear matter to China thru air currents?

Also, is flying from the US to China dangerous due to planes being exposed to the radiation? What are the chances of airlines refusing to fly in that area an getting stranded once we are there?

Are there any other potential risks due to the damage to the nuclear plants?

contactName:

phone:

---

0/94

**From:** Scott Holland  
**To:** Janbergs, Holly  
**Subject:** RE: Suggestions - About turning power back on - Risk Reward not there  
**Date:** Friday, March 18, 2011 5:20:30 PM

---

Hi Holly,

Thank you for the courtesy of a reply in this busy time. This is not to offend, but is a real known issue:

A friend of mine founded a missile systems company (you know \$500,000,000 a shot) and he said the biggest obstacle to scientists and engineers solving novel problems was overcoming NIH (not invented here).

That is, they have a profession based upon their opinion being better/more valuable than others... so they are more like... you go push your idea elsewhere, I'm working on my own.

Me, I learned to love hearing all possibly meritorious ideas, and if one has merit, love to enhance and discuss with others who know more factual details... but always with the originator of the idea... for there is always a foundation there that led to the idea and that foundation should be explored by people with more actual knowledge on the subject in brainstorming and/or discussing other ideas.

Not lecturing, just trying to help. If you find a potentially valuable resource, why not at least try to use if practical?

Thanks again. Scott W. Holland

This is the only other e-mail I sent (went to different pr rep) that may also have merit or provoke good thoughts from others. The risk and potential downside is so dramatic and unknown (a containment dome exploding, fires, etc.) that the reward is not worth the risk, BECAUSE it seems there IS a KNOWN solution of burying it NOW... and this step (turning on power) should be skipped... go straight to burying it.

\*\*\*\*\*

Japan Nuclear Disaster - Starting pumps at this time seems like recipe for disaster... bury it... see my last DREDGES e-mail

Hi,

Another concern is if they get power back with the 1km "extension cord," in my wildest dreams I could not imagine risking turning it on in that damaged area. Why?

1. Risk of fire from exposing wiring, etc.
2. Risk of water going where it should not, causing a superheated explosion[s] in unpredictable places, with the outcome almost certainly worse than it is now.
3. Chances of it working in the damaged facility "well enough" to actually work, assuming 1 or 2 above don't come into play (my money is on 1 or 2)... are remote.

Bury that thing with every bulldozer, truck, crane, and steam shovel to build a berm around the facility, then fill inside and bury the facility DREDGES, helicopters, and anything else that can safely get close enough to fill inside the berm.

Sincerely,

0/95

Scott W. Holland

(b)(6)

Ex. 6

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**From:** Janbergs, Holly [mailto:Holly.Janbergs@nrc.gov]

**Sent:** Friday, March 18, 2011 11:51 AM

**To:** (b)(6)

Ex. 6

**Subject:** Re: Suggestions

Mr. Holland,

Thank you for sending your ideas on the use of dredges and heavy materials to combat the situation in Japan. We appreciate suggestions that work toward resolving this ongoing crisis; it's reassuring to see how helpful and dedicated private citizens have been in light of this disaster.

The NRC has been working 24-hours a day to fully staff our response teams and monitor the situation overseas. We also have some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We will be doing everything we can in this difficult time.

Thank you again,  
Holly Janbergs  
Public Affairs Assistant

**From:** Janbergs, Holly on behalf of OPA Resource  
**To:** Couret, Yvonne  
**Subject:** FW: Request for Comment - WSJ  
**Date:** Friday, March 18, 2011 5:06:00 PM

---

**From:** Power, Stephen [mailto:Stephen.Power@wsj.com]  
**Sent:** Friday, March 18, 2011 5:02 PM  
**To:** OPA Resource  
**Cc:** Brenner, Eliot  
**Subject:** Request for Comment - WSJ

Hi-

I'm told that at a congressional briefing this afternoon, NRC staff declined to say what the radiation levels are around the Fukushima plant. One person who listened in on the conversation quoted NRC staff as saying the data the U.S. is getting is "not reliable enough" to share.

Would the NRC like to comment on this characterization of what the agency told congressional staff?

With kind regards,

Stephen Power

Staff Reporter

The Wall Street Journal

Office: (202) 862-9269

Cell: (b)(6) Ex. 6

Email: [Stephen.Power@wsj.com](mailto:Stephen.Power@wsj.com)

Follow me on Twitter at <http://twitter.com/stephenpower>

0/96

**From:** Janbergs, Holly on behalf of OPA Resource  
**To:** Couret, Yvonne  
**Subject:** FW: Media request question for Tokyo Newspaper-- deadline: 1/17 at midnight  
**Date:** Friday, March 18, 2011 4:58:00 PM

---

**From:** Valerie Insinna [mailto:valerie.insinna@tokyoshimbun.us]  
**Sent:** Friday, March 18, 2011 4:42 PM  
**To:** OPA Resource  
**Subject:** Media request question for Tokyo Newspaper-- deadline: 1/17 at midnight

Hello,

I had a couple questions about a 1990 NRC report, NUREG-1150 and its connection to what's going on in Japan. Bloomberg recently released a story about how this report predicted some of the problems that happened at Fukushima Dai-ichi.

The NRC report stated that seismic activity could cause an accident at a nuclear power plant by causing diesel generator failure and power outages that result in a cooling system failure.

1. Does the NRC still support that specific part of the report? Is that part of the report still accurate?
2. Is what was described in the report similar to what happened at Fukushima? Why or why not?
3. Since the report was published, has there been any changes in US regulations that specifically address this issue? For example, has there been any additional sources of power backup that is now mandated for nuclear plants.

Thank you so much for your help. Please email me or give me a call if you have any questions.

Best,  
Valerie Insinna

--

Staff Reporter/ Researcher  
Tokyo-Chunichi Shimbun  
National Press Building 1012  
529 14th Street, NW  
Washington, DC 20045  
[valerie.insinna@tokyoshimbun.us](mailto:valerie.insinna@tokyoshimbun.us)  
office: 202-783-9479

cell: (b)(6) ] Ev. 6

0/97

**From:** Janbergs, Holly on behalf of OPA Resource  
**To:** Janbergs, Holly  
**Subject:** FW: Use tiles from space shuttle to get close to reactors  
**Date:** Friday, March 18, 2011 4:58:00 PM

---

**From:** Fred Gulitz (b)(6) Ex 6  
**Sent:** Friday, March 18, 2011 4:37 PM  
**To:** OPA Resource  
**Subject:** Use tiles from space shuttle to get close to reactors

To whom it may concern,

Why can't the US help Japan by using the tiles from the space shuttle as a heat shield to protect workers from the extreme heat given off by the reactors.

Kind regards,  
Fred Gulitz

0/98



**From:** Janbergs, Holly on behalf of OPA Resource  
**To:** Hayden, Elizabeth  
**Subject:** FW: Suggestion about the public web site about safety requirements and enforcement in US NPPs  
**Date:** Friday, March 18, 2011 4:52:00 PM

---

**From:** Ash, Darren  
**Sent:** Friday, March 18, 2011 4:22 PM  
**To:** Corbett, James; OPA Resource  
**Cc:** Boyce, Thomas (OIS)  
**Subject:** FW: Suggestion about the public web site about safety requirements and enforcement in US NPPs

James,

This came up in today's all-staff meeting. I did speak with Sushil and did talk to him about the new website design, etc. I also told that I'd prefer not to waste resources on significant changes to the existing site, knowing that it will change in a couple of weeks. That said, I defer to you and your staff, and OPA, about what we need to tweak.

Thanks,

Darren

**From:** Birla, Sushil  
**Sent:** Friday, March 18, 2011 4:15 PM  
**To:** OPA Resource; OPA Resource  
**Cc:** Ash, Darren  
**Subject:** Suggestion about the public web site about safety requirements and enforcement in US NPPs

Suggestion: On the NRC public web site, make it easier for the average citizen to find information about safety requirements and enforcement in US NPPs.

Objective: Maintain public confidence in the backdrop that other countries have taken certain steps (but not the USA) in light of current events.

For example, a line "Safety measures in U.S. Nuclear Power Plants" linked to a page, which is built from links to information already available, but not so visible.

- The figures displayed in the presentation slides 5-6 replacing references to Fukushima and extending the visuals with information and labels explaining the layers of defense;
  - or similar visuals derived by extending the figures at the URL <http://www.nrc.gov/reactors/generic-bwr.pdf> explaining the safety features and the layers of defense.
  - or similar visuals derived by extending the Figures 19-20 in NUREG-1350 Section 3 at the URL <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1350/v22/sr1350v22-sec-3.pdf>
  - Protection against hydrogen burning, precluding comparisons with a hydrogen bomb

0/99

- In "Protecting people and the environment" links to the following pages: "Spent nuclear fuel storage"; Emergency preparedness; NRC Incident response
- Information about protection against earthquakes, tsunamis, station blackouts, and flood water

and so on.

Such information should be easier to find and better than comparable information found on other web sites, e.g. NEI

P.S. to Darren Ash: Hopefully, this will address the types of concerns expressed in a couple of comments in Bill's Q-A today.

Sushil Birla (phonetically Su-sheel)  
Senior Technical Advisor - Digital Instrumentation and Control  
Office of Nuclear Regulatory Research, Mail Stop C5-A24M  
U.S. Nuclear Regulatory Commission  
21 Church Street, Rockville, MD 20850, USA  
Phone: 301-251-7660

Mobile: (b)(6) Ex. 6

Fax: 301-251-7425

Email address: Sushil.Birla@nrc.gov

Postal address: Mail Stop C5-A24M, Washington DC 20555-0001

It's time to meet: <http://www.internal.nrc.gov/news/nrcreporter/2010/profiles/Sushil-Birla.html>



**From:** Bonaccorso, Amy  
**To:** Janbergs, Holly  
**Subject:** FW: Potential Safety Concept to Avoid Pump Failure and Meltdown  
**Date:** Friday, March 18, 2011 3:44:38 PM

---

**From:** Janbergs, Holly **On Behalf Of** OPA Resource  
**Sent:** Friday, March 18, 2011 3:32 PM  
**To:** Bonaccorso, Amy  
**Subject:** FW: Potential Safety Concept to Avoid Pump Failure and Meltdown

**From:** (b)(6) Ex 6  
**Sent:** Friday, March 18, 2011 3:14 PM  
**To:** OPA Resource  
**Subject:** Potential Safety Concept to Avoid Pump Failure and Meltdown

Dear Sir or Madam,

Briefly described below is a safety idea that I published in this morning's *San Jose Mercury News*.  
( <http://www.mercurynews.com/letters> ) The letter:

---

Several Japanese reactors are overheating to catastrophic failure. The problem, lack of cooling water from power grid interruption, seems to have been solved: How? Diesel generators automatically kick in to maintain power to the pumps. But severe flooding could also disable the diesel generators. And that is exactly what happened.

Here is an idea that seems overly simple: Why not build a few mobile generators on tractor trailers, kept in key locations, that could be moved within a few hours to a compromised reactor? With a special quick connection system, power to the pumps could be restored in time to prevent meltdown.

It is apparently too late for the Japanese reactors to be saved. Perhaps we should begin building mobile generators now.

---

This idea, properly executed, could have mitigated the nuclear disaster in Japan, and should be seriously considered for areas having nuclear reactors and potential threat from the environment. Given that such threat now extends to terrorism, perhaps mobile power back-up should be available to all sites. The cost of failure is immense. In that context, the relative low cost of such a mobile safety system would seem to make it a must-do.

Please give me some feedback.

Thanks for your consideration.

Bill Alston

0/100

(b)(6)

Ex. 6

**From:** Janbergs, Holly  
**To:** (b)(6) Ev. 6  
**Bcc:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** Re: Mobile Generators  
**Date:** Friday, March 18, 2011 3:50:00 PM

---

Mr. Alston,

Thank you for expressing your concern. The Japanese are currently using mobile generators at the Fukushima plant. It has taken a certain amount of time for the Japanese government to request assistance in obtaining and installing the mobile units, but those units have been a consideration.

In the United States, all plants except for Oconee have both diesel and battery backup systems. Most of the U.S. plants with diesels have two diesels per unit, and those that have only one dedicated diesel have a swing diesel available as well. Most sites plan to run the diesels for multiple days and have battery backup capability for eight hours. The recovery strategy for each site is based on providing sufficient capacity to assure that the core is cooled and containment integrity and other vital functions are maintained in the event of possible accidents.

I understand your concern regarding mobile generators, and I can assure you that we have some of the best minds in the world working on both this situation in Japan, and on keeping our reactors at home safe.

I hope this answers your question.

Thank you,  
Holly

0/101

**From:** Bonaccorso, Amy  
**To:** Tobin, Jennifer  
**Subject:** FW: Call  
**Date:** Friday, March 18, 2011 3:45:22 PM

---

Sounds technical...

**From:** Shannon, Valerie  
**Sent:** Friday, March 18, 2011 3:41 PM  
**To:** Bonaccorso, Amy  
**Subject:** Call

**Name:** John Robbart

**From:** (b)(6)

**Phone:** (b)(6)

**E-mail:** (b)(6)

Ev. 6

**Re:** Fuel Rods

0/102

**From:** Bonaccorso, Amy  
**To:** ushomesavers@ymail.com  
**Subject:** REPLY: Emergency Solution for cooling off the NUCLEAR REACTORS  
**Date:** Friday, March 18, 2011 3:42:44 PM

---

Dear Mr. Talab:

Thank you for your email.

We appreciate the suggestions of folks with ideas to resolve the situation in Japan. Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.

Thank you,

Amy

---

**From:** U.S.HOME SAVERS [mailto:ushomesavers@ymail.com]  
**Sent:** Friday, March 18, 2011 3:01 PM  
**To:** OPA Resource  
**Subject:** Emergency Solution for cooling off the NUCLEAR REACTORS

Hello,

My name is Ali Talab

I am a (b)(6)

But, i also have completed a (b)(6)

(b)(6)

The Solution to cooling off the reactors is very simple.  
The atmospheric temperature water does not have the ability to cool off the reactors as the rate of heating are far greater than rate of cooling.

### **Regarding Japan Reactor Melt down**

Please add **crushed ice** by **Helicopter** directly on top of the reactors.

### **Why crushed ice?**

- A...It will not cause any structural damage upon landing.
- B...It will nicely land in every hole around the reactor.

### **Why Helicopter?**

It can hover on top of the reactor and drop its cargo with lot of accuracy.  
May be some personnel from ground can direct the helicopter pilot to achieve that delivery accuracy.

### **Put the army to work.**

Put 50 - 100 helicopter to work round the clock.  
You have attack the heat, not just treat it with kindness.

0/103

**Solution in matter of Hours.**

Please let me know, if you have any questions.

Best wishes for all mankind

**WWW.USHOMESAVERS.ORG**

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President / Realtor

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(b)(6)

(b)(6)

Cell Ev. 6

**1-888-836-2221 Toll Free**

**408-273-6693 efax.**

**USHomesavers@ymail.com**



**From:** Bonaccorso, Amy  
**To:** (b)(6) F.V. G  
**Subject:** NRC REPLY: Call  
**Date:** Friday, March 18, 2011 3:36:04 PM

---

Hi Gary:

I got a note saying that you had concerns about your (b)(6)  
(b)(6) I certainly understand why you are concerned.

You might want to send an email to the State Department's email address for US citizens in Japan who need assistance: [JapanEmergencyUSC@state.gov](mailto:JapanEmergencyUSC@state.gov).

We are referring questions about international travel there. You can also check with her airline.

I'm sorry I couldn't provide more information.

Thank you,

Amy

0/104

**From:** [Janbergs, Holly](#) on behalf of [OPA Resource](#)  
**To:** [Courret, Ivonne](#)  
**Subject:** FW: Monday's meeting  
**Date:** Friday, March 18, 2011 3:33:00 PM

---

**From:** [ayesha.rascoe@thomsonreuters.com](mailto:ayesha.rascoe@thomsonreuters.com) [<mailto:ayesha.rascoe@thomsonreuters.com>]  
**Sent:** Friday, March 18, 2011 3:31 PM  
**To:** OPA Resource  
**Cc:** Burnell, Scott; Courret, Ivonne  
**Subject:** Monday's meeting

Hi,

I plan to attend the meeting on Monday regarding the NRC response to the Japan nuclear crisis.  
Could a space please be reserved for me?

Thanks,  
Ayesha

**Ayesha Rascoe**  
Energy Reporter  
Thomson Reuters

Phone: 1-202-310-5683  
Mobile: (b)(6)

E.v. 6

[ayesha.rascoe@thomsonreuters.com](mailto:ayesha.rascoe@thomsonreuters.com)  
[thomsonreuters.com](http://thomsonreuters.com)

This email was sent to you by Thomson Reuters, the global news and information company.  
Any views expressed in this message are those of the individual sender, except where the sender specifically states them to be the views of Thomson Reuters.

0/105

**From:** Janbergs, Holly on behalf of OPA Resource  
**To:** Bonaccorso, Amy  
**Subject:** FW: Potential Safety Concept to Avoid Pump Failure and Meltdown  
**Date:** Friday, March 18, 2011 3:32:00 PM

---

**From:** (b)(6) Ex. 6  
**Sent:** Friday, March 18, 2011 3:14 PM  
**To:** OPA Resource  
**Subject:** Potential Safety Concept to Avoid Pump Failure and Meltdown

Dear Sir or Madam,

Briefly described below is a safety idea that I published in this morning's *San Jose Mercury News*.  
( <http://www.mercurynews.com/letters> ) The letter:

---

Several Japanese reactors are overheating to catastrophic failure. The problem, lack of cooling water from power grid interruption, seems to have been solved. How? Diesel generators automatically kick in to maintain power to the pumps. But severe flooding could also disable the diesel generators. And that is exactly what happened.

Here is an idea that seems overly simple: Why not build a few mobile generators on tractor trailers, kept in key locations, that could be moved within a few hours to a compromised reactor? With a special quick connection system, power to the pumps could be restored in time to prevent meltdown.

It is apparently too late for the Japanese reactors to be saved. Perhaps we should begin building mobile generators now.

---

This idea, properly executed, could have mitigated the nuclear disaster in Japan, and should be seriously considered for areas having nuclear reactors and potential threat from the environment. Given that such threat now extends to terrorism, perhaps mobile power back-up should be available to all sites. The cost of failure is immense. In that context, the relative low cost of such a mobile safety system would seem to make it a must-do.

Please give me some feedback.

Thanks for your consideration.

Bill Alston

(b)(6)

Ex. 6

0/106

**From:** Bonaccorso, Amy  
**To:** Deavers, Ron  
**Cc:** Janbergs, Holly  
**Subject:** RE: Citizen  
**Date:** Friday, March 18, 2011 3:13:40 PM

---

Don –

Do you have a working printer?

I would do this, but my printer isn't working.

---

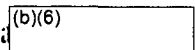
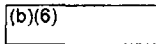
**From:** Akstulewicz, Brenda  
**Sent:** Friday, March 18, 2011 3:02 PM  
**To:** Deavers, Ron; Bonaccorso, Amy; Janbergs, Holly  
**Subject:** Citizen

Greetings,

This gentleman called to say that someone called him regarding his request but he could not understand it because his cell phone is aging. Please respond to him in writing if possible.

Michael Heanue

(b)(6)  Ex. 6

Wants to know about winds carrying radioactive materials from Japan. He is a   
 and read that the Japanese sent bombs to Calif. during that war and citizens were told this was not true. He wants to make sure the public is not being lied to again

**Brenda Akstulewicz**  
Administrative Assistant  
Office of Public Affairs  
301-415-8209  
[brenda.akstulewicz@nrc.gov](mailto:brenda.akstulewicz@nrc.gov)



0/107

**From:** Bonaccorso, Amy  
**To:** Janbergs, Holly  
**Subject:** FW: Japan Suggestion - DREDGES ARE THE FASTEST, MOST EFFICIENT WAY TO PUMP SAND/SEA WATER & BURY THAT DIASTER  
**Date:** Friday, March 18, 2011 2:49:13 PM  
**Importance:** High

---

**From:** Janbergs, Holly **On Behalf Of** OPA Resource  
**Sent:** Friday, March 18, 2011 2:44 PM  
**To:** Bonaccorso, Amy  
**Subject:** FW: Japan Suggestion - DREDGES ARE THE FASTEST, MOST EFFICIENT WAY TO PUMP SAND/SEA WATER & BURY THAT DIASTER  
**Importance:** High

**From:** Scott Holland (b)(6) Ex. 6  
**Sent:** Friday, March 18, 2011 1:59 PM  
**To:** OPA Resource  
**Subject:** Japan Suggestion - DREDGES ARE THE FASTEST, MOST EFFICIENT WAY TO PUMP SAND/SEA WATER & BURY THAT DIASTER  
**Importance:** High

Hi,

Best to all and thanks for everyone's efforts.

It seems to me getting any available dredge to the area will provide the following benefits:

1. They can by far, and most efficiently, pump the MOST sand & seawater once the pipes are positioned.
2. They can be manned by very few people once setup... or even remotely unless there is a malfunction requiring someone to physically fix it.
3. You can easily build a lead shield around any control areas as thick as you want so workers are protected, EXCEPT for any time they need to go outside the control area.
4. Dredges have sufficient power, etc. so you can set up whatever elaborate air filtering system needed to protect workers 100% when inside a control center. When they have to go outside, they will be further away than Firetrucks, etc. on the site.
5. Multiple dredges can bury that whole facility.
6. Why in the world are they putting "just water," which is so readily absorbed & transferred great distances by the atmosphere??? Is there that much value in the spent fuel rods they want to salvage them? And that's why they don't start burying it now???
7. If not dredges with their amazing capacity for volume of sand/water, why not find a material that even if burnt produces heavy particles that will not travel to Toyko & West Coast of USA?
8. In combo with #7's "heavy soot particle" idea, find a material that will also "fuse" at the anticipated temperatures, that while the initial volume of material may burn into smoke, as the material is added and gets thicker the temperature will be lower to a point it does not burn, but fuses/melts into some

0/108

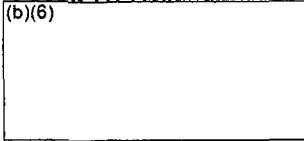
glass like substance. EXAMPLE: Crater Lake in Oregon has held water for centuries, even though it is higher than all surrounding land, because the volcanic heat "fused" the bottom into a "glass bowl."

Let me know if this is helpful, I would love to hear back from someone and try to help further.

Sincerely, wishing all the best,

Scott W. Holland

(b)(6)



Ex. 6

**From:** Janbergs, Holly  
**To:** (b)(6) E.V. 6  
**Bcc:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** Re: Suggestions  
**Date:** Friday, March 18, 2011 2:50:00 PM

---

Mr. Holland,

Thank you for sending your ideas on the use of dredges and heavy materials to combat the situation in Japan. We appreciate suggestions that work toward resolving this ongoing crisis; it's reassuring to see how helpful and dedicated private citizens have been in light of this disaster.

The NRC has been working 24-hours a day to fully staff our response teams and monitor the situation overseas. We also have some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We will be doing everything we can in this difficult time.

Thank you again,  
Holly Janbergs  
Public Affairs Assistant

0/109

**From:** Bonaccorso, Amy  
**To:** (b)(6) Ex. 6  
**Subject:** REPLY: Response from "Contact Us about Public Meetings on Nuclear Security and Safeguards;  
**Date:** Friday, March 18, 2011 2:47:39 PM

---

Hello:

Thank you for your email. The NRC continues to monitor information regarding wind patterns near the Japanese nuclear power plants. Given the distance between Japan and the U.S. - we are not expected to experience any harmful levels radioactivity.

You can get updates at [www.nrc.gov](http://www.nrc.gov) - we have press releases and the NRC Blog.

A further resource is the CA Department of Radiation Safety - click on CA  
<http://nrc-stp.ornl.gov/asdirectory.html>

Thank you,

Amy

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

**From:** (b)(6) Ex. 6  
**Sent:** Friday, March 18, 2011 1:31 PM  
**To:** NSIR\_WebServices Resource  
**Subject:** Response from "Contact Us about Public Meetings on Nuclear Security and Safeguards;

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

(b)(6) Ex. 6  
on Friday, March 18, 2011 at 13:30:52

---

comments: Is safe Southern part of US? I live in (b)(6) I'm quite worrying about that.

name: Jeehee Yune

organization: .

address1: .

address2: .

city: (b)(6)

state: ---

zip:

country: (b)(6)

phone: (b)(6)

---

0/110



**From:** Janbergs, Holly on behalf of OPA Resource  
**To:** Bonaccorso, Amy  
**Subject:** FW: Japan Nuclear Disaster - Starting pumps at this time seems like recipe for disaster... bury it... see my last DREDGES e-mail  
**Date:** Friday, March 18, 2011 2:46:00 PM  
**Importance:** High

---

**From:** Scott Holland (b)(6) Ev. 6  
**Sent:** Friday, March 18, 2011 2:27 PM  
**To:** OPA Resource  
**Subject:** Japan Nuclear Disaster - Starting pumps at this time seems like recipe for disaster... bury it... see my last DREDGES e-mail  
**Importance:** High

Hi,

Another concern is if they get power back with the 1km "extension cord," in my wildest dreams I could not imagine risking turning it on in that damaged area. Why?

1. Risk of fire from exposing wiring, etc.
2. Risk of water going where it should not, causing a superheated explosion[s] in unpredictable places, with the outcome almost certainly worse than it is now.
3. Chances of it working in the damaged facility "well enough" to actually work, assuming 1 or 2 above don't come into play (my money is on 1 or 2)... are remote.

Bury that thing with every bulldozer, truck, crane, and steam shovel to build a berm around the facility, then fill inside and bury the facility DREDGES, helicopters, and anything else that can safely get close enough to fill inside the berm.

Sincerely,

Scott W. Holland

(b)(6) Ev. 6

0/111

**From:** Janbergs, Holly on behalf of OPA Resource  
**To:** Couret, Yvonne  
**Subject:** FW: The Sunday Times, London  
**Date:** Friday, March 18, 2011 2:46:00 PM

---

**From:** Leake, Jonathan [mailto:jleake@sunday-times.co.uk]  
**Sent:** Friday, March 18, 2011 2:37 PM  
**To:** OPA Resource  
**Subject:** The Sunday Times, London

Dear NRC

This inquiry relates to the American and NRC response to the problems being experienced at the Fukushima nuclear reactor in Japan.

I wondered if you could update me on your view of this event in terms of its seriousness?

I also wondered if you could tell me what assistance and expertise you might be providing to Japan? Is the NRC the key agency overseeing any response or are others involved?

I see from the releases on your website that you have sent a dozen or so people to Japan to help the teams at Fukushima. Are you sending any further help? One report suggested the US was sending a very large number of people to the site. Is this correct? Perhaps you could call me as soon as possible. Could you also add me to any press lists you may have to ensure I get future updates.

Regards

*Jonathan Leake*

Science & Environment Editor

The Sunday Times (Readership 3.5m)

3 Thomas More Square, Wapping, London E9 8 1ST

Email: jleake@sunday-times.co.uk

Landline: +44 20 7782 5662

Mobile: (b)(6) Ex. 6

See my articles at [www.thesundaytimes.co.uk](http://www.thesundaytimes.co.uk)

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is now included within our digital subscription

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0/112

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**From:** Janbergs, Holly on behalf of OPA Resource  
**To:** Bonaccorso, Amy; Tobin, Jennifer; Deavers, Ron  
**Subject:** FW: Additional data re. cooling nuclear reactors. Use dredgers to pump water to the nuclear reactors.  
**Date:** Friday, March 18, 2011 2:46:00 PM

---

I like this person!!

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

**From:** Paulette Daniele (b)(6) Ex. 6  
**Sent:** Friday, March 18, 2011 2:46:00 PM  
**To:** OPA Resource  
**Subject:** Re: Additional data re. cooling nuclear reactors. Use dredgers to pump water to the nuclear reactors.

Thank you for the quick response. It helped put my heart at ease. I apologize if I implied in anyway the lack of intelligence of the NRC experts. I was compelled to offer my idea out of what I see unfolding in the media. I felt I had nothing to lose by sharing my thoughts knowing that sometimes large gifts come in small packages, and that prayers work in many ways. I'm reassured by your message and will not take up any more of your time. Appreciate all your continued efforts, and I will support by putting my efforts in prayer and financial contributions.

On Mar 18, 2011, at 10:03 AM, OPA Resource wrote:

> We appreciate the suggestions of folks with ideas to resolve the  
> situation in Japan. Please understand that the NRC has some of the  
> most expert people in the world available to assist the Japanese  
> authorities in whatever way they request. We are fully staffed in  
> all our response teams at this time and working 24-hours a day.  
> Thank You  
>  
> -----Original Message-----  
> **From:** Paulette Daniele (b)(6) Ex. 6  
> **Sent:** Friday, March 18, 2011 11:10 AM  
> **To:** OPA Resource  
> **Subject:** Additional data re. cooling nuclear reactors. Use dredgers  
> to pump water to the nuclear reactors.  
>  
> The use of the "Dredger" ships like the ones they use in Dubai to pump  
> the ocean floor to create islands would be much more effective to  
> pump water into or onto the reactors to cool them. It would also  
> provide a greater measure of safty.  
>  
> Regards,  
> Paulette Daniele

0/113

**From:** Janbergs, Holly on behalf of OPA Resource  
**To:** Bonaccorso, Amy  
**Subject:** FW: Daily Beast Article  
**Date:** Friday, March 18, 2011 2:44:00 PM

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

From: Edward Baker (b)(6) ] Ex. 6  
Sent: Friday, March 18, 2011 2:00 PM  
To: OPA Resource  
Subject: Daily Beast Article

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

Edward Baker (b)(6) Ex. 6 on Friday, March 18, 2011 at 14:00:04

---

comments: The article at the following link - <http://www.comcast.net/articles/news-general/20110317/031711.nuclearsites.dailybeast/> rates US nuclear power plants. Upon reading the article it seems that more than 1/3 of the plants are listed as "in the lower third". Not quite sure how that works mathematically.

organization (b)(6)

address1:

address2:

city:

state: ---

zip:

country:

phone:

---

0/114

**From:** Janbergs, Holly on behalf of OPA Resource  
**To:** Bonaccorso, Amy  
**Subject:** FW: Ice drop for Fukushima.  
**Date:** Friday, March 18, 2011 2:44:00 PM

---

**From:** (b)(6)  
**Sent:** Friday, March 18, 2011 1:47 PM  
**To:** OPA Resource  
**Cc:** darinkuni  
**Subject:** Re: Ice drop for Fukushima.

Ex. 6

Dear Mr. Brenner.

I am a concerned citizen, who has an idea for temporarily cooling the reactors and buildings at the Japanese Fukushima Daiichi site.

It is large amounts of air-dropped small sized ice. About 500,000 Kilo's of ice. About the amount of ice produced in Tokyo each day.

Unlike the water that is being attempted, which dissapates in the air. The ice if dropped via helicopter, would land on the intended target, and would melt into cooling water. I have tried to contact Japanese authorities to suggest this, but I cannot get through.

Can you at least suggest this idea to the Japanese authoriteis to buy some time in order to get the cooling system back on-line?

Thank you for your time in this matter.

Sincerely, Darin Homchick. (b)(6)

0/115

**From:** Janbergs, Holly on behalf of OPA Resource  
**To:** Bonaccorso, Amy  
**Subject:** FW: Radiation release from Japanese nuclear facilities  
**Date:** Friday, March 18, 2011 2:43:00 PM

---

**From:** John Silver, MD, FCCP (b)(6) ex. 6  
**Sent:** Friday, March 18, 2011 1:59 PM  
**To:** OPA Resource  
**Cc:** John Silver  
**Subject:** Radiation release from Japanese nuclear facilities

March 18, 2011

To whom it may concern -

I am a physician in (b)(6) and wanted to pass on an idea.  
Wouldn't a liquid nitrogen drop onto the fuel rods at the Japanese plant work better than sea water?  
Just wondering.

John Silver, MD  
Pulmonary/Critical Care Medicine

0/116

**From:** [Janbergs, Holly](#) on behalf of OPA Resource  
**To:** [Bonaccorso, Amy](#)  
**Subject:** FW: questions on spent fuel  
**Date:** Friday, March 18, 2011 2:42:00 PM

---

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

**From:** Lynn Garner [<mailto:lgarner@bna.com>]  
**Sent:** Friday, March 18, 2011 1:29 PM  
**To:** OPA Resource  
**Subject:** questions on spent fuel

Hi,

3 questions:

1. what is the total volume of used fuel in pools at US commercial power plants nationwide?
2. what is the average volume of spent fuel in the pools at reactor plants?
3. how much spent fuel is stored in dry cask storage nationwide now?
4. are there any regulations that say how much used fuel can be kept in pools?

Thanks,  
Lynn

W. Lynn Garner, Staff Writer  
Bureau of National Affairs'  
Daily Report for Executives  
1801 South Bell Street, Arlington, VA 22202  
(office) 703-341-5811 (cell) (b)(6) Ey. 6  
[lgarner@bna.com](mailto:lgarner@bna.com) [www.bna.com](http://www.bna.com)

0/117



**From:** Janbergs, Holly on behalf of OPA Resource  
**To:** Bonaccorso, Amy  
**Subject:** FW: Reactors in USA  
**Date:** Friday, March 18, 2011 2:42:00 PM

---

**From:** Albert Redditt (b)(6) ] Ex. 6  
**Sent:** Friday, March 18, 2011 12:38 PM  
**To:** OPA Resource  
**Subject:** Reactors in USA

Hello;

After looking at the news photos and clips of the Japanese Reactors.

It seems the weakness in the design was the plumbing that broke loose in the reactors, (no plumbing no water!!)

In the U.S., I think the reactors, if not already doing so should replace the reactor plumbing with flexible plumbing.. (this might require some high level engineering.)

Triple redundancy static plumbing is probably not going to work in anything over a 7-8 richter.. I think california has the potential for a greater than 7 quake..

(b)(6) ] Ex. 6

0/118

**From:** Bonaccorso, Amy  
**To:** Tobin, Jennifer  
**Cc:** Janbergs, Holly; Deavers, Ron  
**Subject:** FW: Japanese Nuclear Catastrophe-Use of mobile generators  
**Date:** Friday, March 18, 2011 1:49:08 PM

---

Here you go

**From:** OPA1 RESOURCE  
**Sent:** Friday, March 18, 2011 1:43 PM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** FW: Japanese Nuclear Catastrophe-Use of mobile generators

Another one.

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

**From:** Joseph L. (b)(6) } Ex 6  
**Sent:** Thursday, March 17, 2011 1:07 PM  
**To:** OPA1 RESOURCE  
**Subject:** Japanese Nuclear Catastrophe-Use of mobile generators

Dear Scott Burnell, David McIntyre, Ivonne Couret:

Concerning the ongoing Nuclear Catastrophe in Japan, why have they not use mobile generators.

These are the size of a tractor trailer, produce megawatts of electricity and should be able to power the pumps. I am surprised that the pumps can not be operated until they connect power from the grid.

It is appalling that Nuclear facilities are required to have only 4 to 8 hours back up electric to keep pumps and equipment operating. See

[http://www.ucsusa.org/nuclear\\_power/nuclear\\_power\\_risk/safety/senate-briefing-on-japan-nuclear-crisis.html](http://www.ucsusa.org/nuclear_power/nuclear_power_risk/safety/senate-briefing-on-japan-nuclear-crisis.html) - Link to Union of Concerned Scientists. STATEMENT OF DR. EDWIN LYMAN, SENIOR SCIENTIST, GLOBAL SECURITY PROGRAM - See statement 2. it says ".....The NRC requires U.S. plants to have the capability to cope with a station blackout for no more than four to eight hours. We need to re-evaluate the adequacy of these requirements and the effectiveness of their implementation."

The back up generators on site should be on the roof or otherwise high enough so they will be above flood waters. Also Nuclear reactor and fuel storage sites should have water reservoirs that are at a higher elevation so that gravity can carry water to reactor. These should have flexible back up pipes and hoses that can be used if main pipes are damaged.

0/119

This catastrophe shows us that all nuclear reactors and power stations are just an electric power failure away from disaster. A strong coronial mass ejection from the sun has in the past knocked out electric grids. Such events can occurred to knock electric supply to nuclear power and cause the same catastrophe that Japans' nuclear facilities are experiencing any where and many times over. The US has advised Americans in Japan to stay 50 miles from the nuclear catastrophe. Yet in the US there is only a 10 mile zone for nuclear emergencies. Here in New York State is the Indian Point Nuclear Power facility which sits atop the Ramapo fault line. New York City, Manhattan, is 30 miles away, Outer Boroughs Queens and Brooklyn 33 miles. There are millions of people in between. The Human cost is unacceptable. The economic cost would devastate the US economy. This is just one of many nuclear facilities in the US that poses grave danger.

When you consider the entire process of nuclear power generation, from mining and processing fuel to the storage of spent fuel which must be kept cool, it is not economically nor environmentally practical. However, the reality of Nuclear Catastrophes make nuclear power an unacceptable source of energy. Nuclear power plants must not be built and exiting one must be decommissioned and the nuclear material must be removed from populated areas. Sincerely Joseph Lacey

**From:** Bonaccorso, Amy  
**To:** Tobin, Jennifer  
**Cc:** Janbergs, Holly; Deavers, Ron  
**Subject:** FW: Japanese Nuclear Catastrophe-Use of mobile generators  
**Date:** Friday, March 18, 2011 2:32:09 PM

---

I like this line:

The license (and renewal) process are open to the public and I encourage you to get involved. I hope that I have addressed your concerns.

---

**From:** Tobin, Jennifer  
**Sent:** Friday, March 18, 2011 2:30 PM  
**To:** (b)(6) Ex. 6  
**Subject:** RE: Japanese Nuclear Catastrophe-Use of mobile generators

Dear Mr. Lacey,

Thank you for expressing your concern. The Japanese are now using mobile generators at the Fukushima plant. It has taken a certain amount of time for the Japanese government to request assistance in obtaining and installing the mobile units.

The matters that you raised regarding the U.S. plants are issues that are considered during the review of the license application (and renewal, as applicable) as well as an environmental assessment. On occasion, the NRC has required certain back-fits as situations change and new concerns arise.

The license (and renewal) process are open to the public and I encourage you to get involved. I hope that I have addressed your concerns.

-Jenny

---

**From:** Joseph L. (b)(6) Ex. 6  
**Sent:** Thursday, March 17, 2011 1:07 PM  
**To:** OPA1 RESOURCE  
**Subject:** Japanese Nuclear Catastrophe-Use of mobile generators

Dear Scott Burnell, David McIntyre, Ivonne Couret:

Concerning the ongoing Nuclear Catastrophe in Japan, why have they not use mobile generators.

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It is appalling that Nuclear facilities are required to have only 4 to 8 hours back up electric to keep pumps and equipment operating. See

[http://www.ucsusa.org/nuclear\\_power/nuclear\\_power\\_risk/safety/senate-briefing-on-japan-nuclear-crisis.html](http://www.ucsusa.org/nuclear_power/nuclear_power_risk/safety/senate-briefing-on-japan-nuclear-crisis.html) - Link to Union of Concerned Scientists. STATEMENT OF DR. EDWIN LYMAN, SENIOR SCIENTIST, GLOBAL SECURITY PROGRAM - See statement 2. it says ".....The NRC requires U.S. plants to have the capability to cope

0/120

with a station blackout for no more than four to eight hours. We need to re-evaluate the adequacy of these requirements and the effectiveness of their implementation."

The back up generators on site should be on the roof or otherwise high enough so they will be above flood waters. Also Nuclear reactor and fuel storage sites should have water reservoirs that are at a higher elevation so that gravity can carry water to reactor. These should have flexible back up pipes and hoses that can be used if main pipes are damaged.

This catastrophe shows us that all nuclear reactors and power stations are just an electric power failure away from disaster. A strong coronial mass ejection from the sun has in the past knocked out electric grids. Such events can occurred to knock electric supply to nuclear power and cause the same catastrophe that Japans' nuclear facilities are experiencing any where and many times over. The US has advised Americans in Japan to stay 50 miles from the nuclear catastrophe. Yet in the US there is only a 10 mile zone for nuclear emergencies. Here in New York State is the Indian Point Nuclear Power facility which sits atop the Ramapo fault line. New York City, Manhattan, is 30 miles away, Outer Boroughs Queens and Brooklyn 33 miles. There are millions of people in between. The Human cost is unacceptable. The economic cost would devastate the US economy. This is just one of many nuclear facilities in the US that poses grave danger.

When you consider the entire process of nuclear power generation, from mining and processing fuel to the storage of spent fuel which must be kept cool, it is not economically nor environmentally practical. However, the reality of Nuclear Catastrophes make nuclear power an unacceptable source of energy. Nuclear power plants must not be built and exiting one must be decommissioned and the nuclear material must be removed from populated areas. Sincerely Joseph Lacey

**From:** Tobin, Jennifer  
**To:** (b)(6) Fv.6  
**Subject:** RE: I really want to know how one spent fuel rod get heat each hour  
**Date:** Friday, March 18, 2011 2:35:56 PM

---

Dear Mr. Kimura,

Thank you for your inquiry. Our hearts go out to your countrymen. The NRC is assisting as requested by your government. One of the big concerns, as you note, is the increased heat levels in the spent fuel pools. I know that there are many methods underway to try to cool them down. Unfortunately, I do not have specific temperatures that I can give you since we are not aware of that information. I understand that our regulatory counterpart (NISA) in Japan is doing everything in their power to contain the damage at the Fukushima plant. I hope that I have been somewhat helpful.

-Jenny

**From:** Shun Serket (b)(6) Ex.6  
**Sent:** Friday, March 18, 2011 1:06 PM  
**To:** OPA Resource  
**Subject:** I really want to know how one spent fuel rod get heat each hour

My name is Shunsuke Kimura, and I live in (b)(6)

I study about nuclear power ,and architechure of power plant,  
and I am monitoring what occur in Fukushima daiichi power plant.  
and I sadly concluded that power plant cant be recovered and, will start critical again in poor that is storing a lot  
of spent fuel rod.  
so, i want to know how spent fuel rod get heat each hour.  
and how do you think about spent fuel rod tempreture  
the time fuel rod approached 2800 C is tha last day in japan SERIOUSLY.

You may know Fukushima daiichi power plant is highly dengerous.  
in japan, a lot of people think it go better time to time.  
they didnt experience the case(one thing can easily kill us)

Your answer help a lot of people.

0/121

**From:** Janbergs, Holly  
**To:** Bonaccorso, Amy; Tobin, Jennifer  
**Cc:** Deavers, Ron  
**Subject:** RE: Response from "Contact the NRC Web Site Staff"  
**Date:** Friday, March 18, 2011 2:27:00 PM

---

I like it, too!

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

**From:** Bonaccorso, Amy  
**Sent:** Friday, March 18, 2011 2:22 PM  
**To:** Tobin, Jennifer  
**Cc:** Deavers, Ron; Janbergs, Holly  
**Subject:** FW: Response from "Contact the NRC Web Site Staff"

Good response!

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

**From:** Tobin, Jennifer  
**Sent:** Friday, March 18, 2011 2:20 PM  
**To:** (b)(6) Ex. 6  
**Subject:** RE: Response from "Contact the NRC Web Site Staff"

Dear Mr. Fuller,

Thank you for your comments. At this time we are not taking suggestions. The Japanese government has requested U.S. assistance on certain matters and we are acting upon those requests. Ultimately, it is the Japanese government that must make the decision about how they will respond to this emergency situation.

-Jenny

--Original Message-----

**From:** paul fuller (b)(6) Ex. C  
**Sent:** Wednesday, March 16, 2011 1:55 PM  
**To:** NRCWEB Resource  
**Subject:** Response from "Contact the NRC Web Site Staff"

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

paul fuller (b)(6) Ex. 6 on Wednesday, March 16, 2011 at 13:54:44

---

comments: just what if one were to place nuc.war heads around the site in japan and timed the detonation just right,could that possibly incinerate most or all of the radio active fuel on the site, without expelling a lot of r/a into the atmospher? just thinking out loud.

organization: jus trying to help

address1: (b)(6)

address2: n/a

city: (b)(6)

state: (b)(6)

zip: (b)(6)

Ex. 6

0/122

country:

(b)(6)

phone:

(b)(6)

-----



**Royer, Deanna**

---

**From:** Royer, Deanna  
**Sent:** Friday, March 18, 2011 3:14 PM  
**To:** Couret, Ivonne  
**Subject:** Media - Questions

Valerie Insinna  
Tokyo Newspaper  
[Valerie@tokyoshimbun.us](mailto:Valerie@tokyoshimbun.us)  
(202-783-9479)  
Re: Past report/Japan currently

Maureen Conley  
Platts  
(b)(6)  
(301-933-9008)  
Re: Info on a past document

Deanna Royer

**From:** Weil, Jenny  
**To:** OPA Distribution  
**Subject:** Fw: CORRECTED: Remarks by the President on the Situation in Japan  
**Date:** Friday, March 18, 2011 7:07:21 AM

---

Sorry - missed this last night. Not sure what was fixed.

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

(b)(6)

---

**From:** White House Press Office <noreply@messages.whitehouse.gov>  
**To:** Weil, Jenny  
**Sent:** Thu Mar 17 21:04:35 2011  
**Subject:** CORRECTED: Remarks by the President on the Situation in Japan

THE WHITE HOUSE  
Office of the Press Secretary

---

For Immediate Release

2011

March 17,

REMARKS BY THE PRESIDENT  
ON THE SITUATION IN JAPAN

Rose Garden

\*\*\*Please note the correction to the President's remarks below.

3:35 P.M. EDT

THE PRESIDENT: Good afternoon, everyone. Over the last several days, the American people have been both heartbroken and deeply concerned about the developments in Japan.

We've seen an earthquake and tsunami render unimaginable - an unimaginable toll of death and destruction on one of our closest friends and allies in the world. And we've seen this powerful natural disaster cause even more catastrophe through its impact on nuclear reactors that bring peaceful energy to the people of Japan.

Today, I wanted to update the American people on what we know about the situation in Japan, what we're doing to support American citizens and the safety of our own nuclear energy, and how we are helping the Japanese people contain the damage, recover and rebuild.

First, we are bringing all available resources to bear to closely monitor the situation, and to protect American citizens who may be in harm's way. Even as Japanese responders continue to do heroic work, we know that the damage to the nuclear

0/124

reactors in Fukushima Daiichi plant poses a substantial risk to people who are nearby. That is why yesterday, we called for an evacuation of American citizens who are within 50 miles of the plant. This decision was based upon a careful scientific evaluation and the guidelines that we would use to keep our citizens safe here in the United States, or anywhere in the world.

Beyond this 50-mile radius, the risks do not currently call for an evacuation. But we do have a responsibility to take prudent and precautionary measures to educate those Americans who may be endangered by exposure to radiation if the situation deteriorates. That's why last night I authorized the voluntary departures of family members and dependents of U.S. officials working in northeastern Japan.

All U.S. citizens in Japan should continue to carefully monitor the situation and follow the guidance of the U.S. and Japanese governments. And those who are seeking assistance should contact our embassy and consulates, which continue to be open and operational.

Second, I know that many Americans are also worried about the potential risks to the United States. So I want to be very clear: We do not expect harmful levels of radiation to reach the United States, whether it's the West Coast, Hawaii, Alaska, or U.S. territories in the Pacific. Let me repeat that: We do not expect harmful levels of radiation to reach the West Coast, Hawaii, Alaska, or U.S. territories in the Pacific. That is the judgment of our Nuclear Regulatory Commission and many other experts.

Furthermore, the Centers for Disease Control and Prevention and public health experts do not recommend that people in the United States take precautionary measures beyond staying informed. And going forward, we will continue to keep the American people fully updated -- because I believe that you must know what I know as President.

Here at home, nuclear power is also an important part of our own energy future, along with renewable sources like wind \*\*\*[and] solar, natural gas and clean coal. Our nuclear power plants have undergone exhaustive study, and have been declared safe for any number of extreme contingencies. But when we see a crisis like the one in Japan, we have a responsibility to learn from this event, and to draw from those lessons to ensure the safety and security of our people.

That's why I've asked the Nuclear Regulatory Commission to do a comprehensive review of the safety of our domestic nuclear plants in light of the natural disaster that unfolded in Japan.

Finally, we are working aggressively to support our Japanese ally at this time of extraordinary challenge. Search and rescue teams are on the ground in Japan to help the recovery effort. A disaster assistance and response team is working to confront the aftermath of the earthquake and tsunami. The U.S. military, which has helped to ensure the security of Japan for decades, is working around the clock.

To date, we've flown hundreds of missions to support the

recovery efforts, and distributed thousands of pounds of food and water to the Japanese people. We've also deployed some of our leading experts to help contain the damage at Japan's nuclear reactors. We're sharing with them expertise, equipment, and technology so that the courageous responders on the scene have the benefit of American teamwork and support.

And the American people have also opened up their hearts. Many have given generously to support the ongoing relief efforts. The Red Cross is providing assistance to help meet the immediate needs of those who've been displaced. And I would encourage anybody who wants to lend a hand to go to [usaid.gov](http://usaid.gov) to learn more -- that's [usaid.gov](http://usaid.gov) -- to find out how you can be helpful.

As I told Prime Minister Kan last night, and reaffirmed at the Japanese embassy here in Washington today, the Japanese people are not alone in this time of great trial and sorrow. Across the Pacific, they will find a hand of support extended from the United States as they get back on their feet. After all, we have an alliance that was forged more than a half century ago, and strengthened by shared interests and democratic values. Our people share ties of family, ties of culture, and ties of commerce. Our troops have served to protect Japan's shores, and our citizens have found opportunity and friendship in Japan's cities and towns.

Above all, I am confident that Japan will recover and rebuild because of the strength and spirit of the Japanese people. Over the last few days, they've opened up their homes to one another. They've shared scarce resources of food and water. They've organized shelters, provided free medical care, and looked out for their most vulnerable citizens. One man put it simply: "It's a Japanese thing. When hard times hit, we have to help each other."

In these hard times, there remains, nevertheless, hope for the future. In one small town that had been flattened by the tsunami, emergency workers rescued a four-month-old baby who had been swept out of her parents' arms and stranded for days among the debris. No one can say for certain just how she survived the water and the wreckage around her. There is a mystery in the course of human events.

But in the midst of economic recovery and global upheaval, disasters like this remind us of the common humanity that we share. We see it in the responders who are risking their lives at Fukushima. We show it through the help that has poured into Japan from 70 countries. And we hear it in the cries of a child, miraculously pulled from the rubble.

In the coming days, we will continue to do everything we can to ensure the safety of American citizens and the security of our sources of energy. And we will stand with the people of Japan as they contain this crisis, recover from this hardship, and rebuild their great nation.

Thanks very much.

END

3:42 P.M. EDT

-----

**Unsubscribe**

The White House · 1600 Pennsylvania Avenue, NW · Washington DC 20500 · 202-456-1111

From: [Bnacorso, Alty](#)  
To: (b)(6)  
Subject: REPLY: Technology to contain damaged reactor cores in Japan....  
Date: Friday, March 18, 2011 3:03:32 PM

Hello Dr. Resnick:

Thank you for sending us your suggestion.

We appreciate the suggestions of folks with ideas to resolve the situation in Japan. Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.

Amy

From: (b)(6)  
Sent: Friday, March 18, 2011 2:43 PM  
To: [jason.altmire@mail.house.gov](mailto:jason.altmire@mail.house.gov); [michelle.dorothy@mail.house.gov](mailto:michelle.dorothy@mail.house.gov)  
Cc: [sachio.muto@mofa.go.jp](mailto:sachio.muto@mofa.go.jp); OPA Resource; [President@whitehouse.gov](mailto:President@whitehouse.gov); [kris@warnerrobinspatriot.com](mailto:kris@warnerrobinspatriot.com); [USTCPA@ustrancom.mil](mailto:USTCPA@ustrancom.mil); (b)(6) prof-  
[ronstewart@cyberglyphics.com](mailto:ronstewart@cyberglyphics.com); [president\\_ga@vansforvets.org](mailto:president_ga@vansforvets.org)  
Subject: Technology to contain damaged reactor cores in Japan....

Jason,

The situation with the impending continued meltdown(s) of the reactor cores at facilities in Japan continues to deteriorate in obvious view that the Japanese Government lacks the resources (Logistical, Materiel, and otherwise) to properly countermeasure this grave situation.

I am so concerned that I've stopped working on all of my other projects, today, and am working toward offering a viable solution to this catastrophe before we reach the point of total meltdowns.

The recent efforts to utilize Boron to cool the leaking reactor cores in Japan will fail. See: <http://shatest.slac.com/id/2288700/>. There are cracks in the walls of the cooling ponds, and it's just a matter of time until these fail...I estimate this to occur within 36-48 hours base on my study of the agglomerate used to construct the cooling ponds.

A viable technology that can be deployed to contain the reactor cores, and surrounding cooling ponds, immediately, is the CryoRain Process, see: <http://patl.uspto.gov/ncwgc/iph-Parser?Seq1=PTO1&Seq2=HTOFF&d=PAL1&p=1&u=%2Fenethtml%2FPTO%2Fsrchnum.htm&rl=&f=G&f=50&s1=7631506.PN.&OS=PN:7631506&RS=PN:7631506>. This technology was developed to contain oil well fires, etc., and is in use, today.

I'm not going to go into a lengthy discourse about what's happening at the sub-atomic/sub-molecular levels, with the exception to state that the molecules and atomic particles being produced as a direct result of the continued melt down of the rods, are 'unique in the Universe', and these are not well understood, even among the world's foremost Physicists. Suffice it to say that these are 'unique' and are only present when 'matter', as such, is moving toward achieving a state of 'anti-matter'. And that's what's occurring as a result of the meltdowns. These sub-atomic/sub-molecular reactions will continue to occur until the rods are either cooled, sufficiently to stabilize the release of those errant molecules, or proceed to liberation through meltdown.

The CryoRain technology/process could be deployed with virtually no adverse effects thus allowing more time to devise a realist, long-term strategy to control, countermeasure and remediate the situation.

The use of Boron simply will not achieve the desired results given the fragile condition of the cooling ponds.

My recommendation is to engage the President, NATO, the Japanese Consulate, and all other stakeholders. I would engage Secretary Gates and treat this situation as a 'military operation', thus engaging/employing human and material assets available through US DoD. If it were up to me, I'd get the best 'Logistics Man in the Business', General McNabb and the group at TRANSCOM <http://www.transcom.mil>, and get as much liquid nitrogen as possible, from suppliers, e.g., Linde Air, etc., engage the US Air Force air transport wings, move as much of those material and human assets as could be identified and obtained, along with appropriate US Military Environmental Response Teams, to that region, and assist the Japanese Government to administer a solution to this situation.

And, I wouldn't wait much longer.

Our team is ready to assist in any manner required.

Thank you for your continued support and concern.

Sincerely,

Joe  
Dr. Joseph A. Resnick, PhD, MPH, Professor Emeritus  
Executive Director

"True Leadership, is through able example...and not by vain display of authority, power or glory" - Quote by 'me', NASA ISDC Convention Dinner, May 2005, Washington, D.C.

Please share this link with all in your email circle: [www.vansforvets.org](http://www.vansforvets.org).

0/125

**From:** [Janbergs, Holly](#)  
**To:** [Deavers, Ron](#)  
**Subject:** FW: Messages from the HR voicemail line regarding Japan  
**Date:** Friday, March 18, 2011 8:07:00 AM

---

**From:** Couret, Ivonne  
**Sent:** Thursday, March 17, 2011 6:23 PM  
**To:** Janbergs, Holly  
**Subject:** FW: Messages from the HR voicemail line regarding Japan

?????

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs  
Media Desk  
[opa.resource@nrc.gov](mailto:opa.resource@nrc.gov)  
301-415-8200

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

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

**From:** Fleming, Kreslyon  
**Sent:** Wednesday, March 16, 2011 4:42 PM  
**To:** OPA Resource  
**Subject:** Messages from the HR voicemail line regarding Japan

Hello,

Two phone messages regarding individuals that would like to assist with the Japanese facility crisis.

John Weatherton (b)(6)  
Travis Hall (b)(6)

Kreslyon Fleming  
Outreach & Recruitment Branch  
Office of Human Resources  
U.S. Nuclear Regulatory Commission  
Mailstop: GW5-A06  
Washington, DC 20555-0001  
301-492-2209  
301-492-2243 (fax)  
[www.nrc.gov](http://www.nrc.gov)



0/126

**From:** Tobin, Jennifer  
**To:** (b)(6) Ex 6  
**Subject:** RE: nuclear power plants  
**Date:** Friday, March 18, 2011 2:16:28 PM

---

Dear Mr. Jackson,

Thank you for your inquiry. The Japanese did not have windmills offshore from their nuclear plants largely due to the threat of tsunamis which would destroy the windmills and thus they would not have been able to supply electricity for the plants in that emergency situation.

Our hearts go out to the Japanese citizens as well. The NRC has sent a team of technical experts to assist our Japanese counterparts in any way that they request. I hope that this has addressed your concern.

-Jenny

-----Original Message-----  
**From:** Jim Jackson (b)(6) Ex 6  
**Sent:** Wednesday, March 16, 2011 7:10 PM  
**To:** OPA Resource  
**Subject:** nuclear power plants

I have been watching the news and I am just concerned. As I watch I wonder why they cannot have wind mills off site of a nuclear plant that could power the generators in case of emergencies like this. Not the whole plant but to assist the generators to pump water to cool the reactors until the plant has power again. They lay miles and miles of pipeline what is wrong with ability to run power from windmills to these plants.

Just a concerned citizen.

My prayers go out to all the people caught up in disaster.

0/127



**From:** Janbergs, Holly  
**To:** Bonaccorso, Amy  
**Subject:** RE: Re: Volunteer Offer  
**Date:** Friday, March 18, 2011 2:12:00 PM

---

Aw, thanks ☺

---

**From:** Bonaccorso, Amy  
**Sent:** Friday, March 18, 2011 2:09 PM  
**To:** Janbergs, Holly  
**Cc:** Tobin, Jennifer; Deavers, Ron  
**Subject:** FW: Re: Volunteer Offer

Good response!

---

**From:** Janbergs, Holly  
**Sent:** Friday, March 18, 2011 2:03 PM  
**To:** (b)(6) E.v 6  
**Subject:** Re: Volunteer Offer

Mr. Saullo,

I appreciate your willingness to volunteer your services in this time of need for Japan. The absolute selflessness and compassion I am hearing every day from American citizens is one thread of hope in this difficult situation.

While I understand your offer and your efforts are based on the situation in Japan, I'm afraid I can't offer you specific guidance. Unfortunately, we are not accepting volunteers at this time. If you would still like to offer your services, I suggest contacting Red Cross or another relief organization in your area. Every volunteer helps in such a troubling time.

Thank you again,

Holly Janbergs  
Public Affairs Assistant

0/128

**From:** Bonaccorso, Amy  
**To:** (b)(6) Ev. 6  
**Subject:** REPLY: Nancy Strauss  
**Date:** Friday, March 18, 2011 2:08:34 PM

---

Hello Ms. Strauss:

I understand that you are concerned about radiation levels in CA. The NRC continues to monitor information regarding wind patterns near Japanese nuclear power plants. Nevertheless, given the distance between Japan and the West Coast – we are not expected to experience any harmful levels of radioactivity. The EPA monitors radiation levels and agrees with this assessment.

You may also want to check with the CA Department of Radiation Safety – click on CA <http://nrc-stp.ornl.gov/asdirectory.html>

You can check our website, [www.nrc.gov](http://www.nrc.gov), for additional information – including press releases and the NRC Blog.

Thank you,

Amy

0/129

**From:** Bonaccorso, Amy  
**To:** (b)(6) Ex-6  
**Subject:** REPLY: Assistance: Japan  
**Date:** Friday, March 18, 2011 1:42:10 PM

---

Hello Mr. Tanaka:

We appreciate your willingness to volunteer your services in this time of need for Japan. Unfortunately, we are not accepting volunteers at this time. I suggest that you contact your local Red Cross or other relief organization and offer your services noting your experience. Thank you for your offer.

Amy

-----Original Message-----  
**From:** George Tanaka (b)(6) Ex-6  
**Sent:** Tuesday, March 15, 2011 10:08 PM  
**To:** OHRComments Resource  
**Subject:** Assistance: Japan

To whom it may concern:

My name is George Tanaka currently residing in (b)(6)

I believe the nuclear catastrophe regarding the Fukushima NPP complex needs all assistance AVAILABLE. This correspondence is NOT a job inquiry. It is to let you know that I am available, on volunteer basis, to tackle this crisis.

I speak fluent English/Japanese and am available to assist in anyway possible. Endorsed is my resume for your reference.

Sincerest regards,

George Tanaka

0/130

**From:** Bonaccorso, Amy  
**To:** (b)(6) Ex. 6  
**Subject:** REPLY: Response from "Contact Us About Employment"  
**Date:** Friday, March 18, 2011 1:43:32 PM

---

Dear Ms. Bloom:

We appreciate your willingness to volunteer your services in this time of need for Japan. Unfortunately, we are not accepting volunteers at this time. I suggest that you contact your local Red Cross or other relief organization and offer your services noting your experience. Thank you for your offer.

Amy

-----Original Message-----  
**From:** Rose Giehl Bloom (b)(6) Ex. 6  
**Sent:** Tuesday, March 15, 2011 7:12 PM  
**To:** OHRComments Resource  
**Subject:** Response from "Contact Us About Employment"

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

Rose Giehl Bloom (b)(6) Ex. 6 on Tuesday, March 15, 2011 at 19:11:37

---

comments: Are you (or they) looking for volunteers to work in Japan?  
Rose Giehl Bloom

organization: self

address1: (b)(6)  
address2:  
city: (b)(6) Ex. 6  
state: (b)(6)  
zip: (b)(6)  
country: (b)(6)  
phone: (b)(6)

---

0/131

**From:** Bonaccorso, Amy  
**To:** Tobin, Jennifer  
**Cc:** Deavers, Ron; Janbergs, Holly  
**Subject:** FW: Response from "Contact the NRC Web Site Staff"  
**Date:** Friday, March 18, 2011 1:39:04 PM

---

Sounds like one for you...

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

From: OPA Resource  
Sent: Friday, March 18, 2011 1:35 PM  
To: Bonaccorso, Amy  
Subject: FW: Response from "Contact the NRC Web Site Staff"

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

From: NRCWEB Resource  
Sent: Wednesday, March 16, 2011 7:49 PM  
To: OPA Resource  
Subject: FW: Response from "Contact the NRC Web Site Staff"

Please respond.

Thanks

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

From: paul fuller (b)(6) Ex. 6  
Sent: Wednesday, March 16, 2011 1:55 PM  
To: NRCWEB Resource  
Subject: Response from "Contact the NRC Web Site Staff"

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

paul fuller (b)(6) Ex. 6 on Wednesday, March 16, 2011 at 13:54:44

---

comments: just what if one were to place nuc.war heads around the site in japan and timed the detonation just right,could that possibly incinerate most or all of the radio active fuel on the site, without expelling a lot of r/a into the atmospher? just thinking out loud.

organization: jus trying to help

address1: (b)(6)  
address2: n/a  
city: (b)(6)  
state: (b)(6)  
zip: (b)(6)  
country: (b)(6)  
phone: (b)(6)

Ex. 6

0/132

**From:** [Bonaccorso, Amy](#)  
**To:** [Tobin, Jennifer](#)  
**Cc:** [Deavers, Ron](#); [Janbergs, Holly](#)  
**Subject:** FW: nuclear power plants  
**Date:** Friday, March 18, 2011 1:37:30 PM

---

suggestion

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

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 1:33 PM  
**To:** Bonaccorso, Amy  
**Subject:** FW: nuclear power plants

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

**From:** Jim Jackson [redacted] Ev. 6  
**Sent:** Wednesday, March 16, 2011 7:10 PM  
**To:** OPA Resource  
**Subject:** nuclear power plants

I have been watching the news and I am just concerned. As I watch I wonder why they cannot have wind mills off site of a nuclear plant that could power the generators in case of emergencies like this. Not the whole plant but to assist the generators to pump water to cool the reactors until the plant has power again. They lay miles and miles of pipeline what is wrong with ability to run power from windmills to these plants.

Just a concerned citizen.

My prayers go out to all the people caught up in disaster.

0/133

**From:** Bonaccorso, Amy  
**To:** Deavers, Ron; Janbergs, Holly  
**Subject:** FW: Response from "Contact the NRC Web Site Staff"  
**Date:** Friday, March 18, 2011 1:38:15 PM

---

fyi

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

**From:** Tobin, Jennifer  
**Sent:** Friday, March 18, 2011 1:34 PM  
**To:** (b)(6) Ex. 6  
**Subject:** RE: Response from "Contact the NRC Web Site Staff"

Dear Mr. Stack,  
The NRC requires that all of the reactors in the United States have at least one back-up generator per reactor unit. Often, the reactor operators have multiple back-up generators per unit since any reactor downtime means that they are losing money.

Additionally, the NRC completes extensive health and safety and environmental reviews which include considerations from natural disasters. I hope this answers your question.

-Jenny

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

**From:** timothy f. stack (b)(6) Ex. 6  
**Sent:** Friday, March 18, 2011 11:43 AM  
**To:** NRCWEB Resource  
**Subject:** Response from "Contact the NRC Web Site Staff"

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

timothy f. stack (b)(6) Ex. 6 on Friday, March 18, 2011 at 11:42:52  
-----

comments: Question: Do the nuclear plants in the U.S. have back-up pumping (gas, diesel, propane, etc. driven) capability to supply water to the spent fuel pools in case of a total loss of electricity as in the Japan earthquake/tsunami

organization: (b)(6)

address1: (b)(6)

address2: (b)(6)

city: (b)(6)

state: (b)(6)

zip: (b)(6)

country: (b)(6)

phone:

Ex. 6

0/134

**From:** [Bonaccorso, Amy](#)  
**To:** [Janbergs, Holly](#)  
**Cc:** [Deavers, Ron](#); [Tobin, Jennifer](#)  
**Subject:** FW: Response from "Contact the OIG Hotline staff"  
**Date:** Friday, March 18, 2011 1:37:08 PM

---

suggestion

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

From: OPA Resource  
Sent: Friday, March 18, 2011 1:32 PM  
To: Bonaccorso, Amy  
Subject: FW: Response from "Contact the OIG Hotline staff"

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

From: OIGHOTLINE Resource  
Sent: Friday, March 18, 2011 12:16 PM  
To: OPA Resource  
Subject: FW: Response from "Contact the OIG Hotline staff"

Shannon D. Brown  
Investigative Analyst  
U.S. Nuclear Regulatory Commission  
Office of the Inspector General  
301-415-6774  
[shannon.brown@nrc.gov](mailto:shannon.brown@nrc.gov)

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

From: uid no body [<mailto:nobody@www.nrc.gov>]  
Sent: Friday, March 18, 2011 11:18 AM  
To: OIGHOTLINE Resource  
Subject: Response from "Contact the OIG Hotline staff"

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

( ) on Friday, March 18, 2011 at 11:18:14

---

Complaint: To Whom It May Concern:

Re: Japan Reactor issue

I would like to offer my services, to go into the affected area and buildings of the damaged reactors and conduct any work that you would need done, to solve your reactor problems. Perhaps filling water tanks or hooking up electrical services.

(b)(6)

0/135



(b)(6) Ex 6

Involvement:

Anonymity: no

Interview: yes

Name: Saullo, David, L

Address: (b)(6)  
City: (b)(6) Ex. 6  
state: (b)(6)  
Zip: (b)(6)

Organization:

Home\_phone: (b)(6)

Work\_phone:

e-mail: (b)(6) Ex 6

Complaints: Submit

---

**From:** Tobin, Jennifer  
**To:** Bonaccorso, Amy; Janbergs, Holly  
**Cc:** Deavers, Ron  
**Subject:** RE: Response from "Contact the OIG Hotline staff"  
**Date:** Friday, March 18, 2011 1:41:47 PM

---

This is the response that I sent to a similar email offer (he had extensive experience with radiation protection)

\*\*\*\*\*  
I appreciate your willingness to volunteer your services in this time of need for Japan. Unfortunately, we are not accepting volunteers at this time. I suggest that you contact your local Red Cross or other relief organization and offer your services noting your experience working with radiation. With your knowledge and skill set you would be quite an asset in the cleanup and remediation of the area surrounding the Fukushima plant. Thank you for your offer.  
\*\*\*\*\*

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

From: Bonaccorso, Amy  
Sent: Friday, March 18, 2011 1:37 PM  
To: Janbergs, Holly  
Cc: Deavers, Ron; Tobin, Jennifer  
Subject: FW: Response from "Contact the OIG Hotline staff"

suggestion

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

From: OPA Resource  
Sent: Friday, March 18, 2011 1:32 PM  
To: Bonaccorso, Amy  
Subject: FW: Response from "Contact the OIG Hotline staff"

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

From: OIGHOTLINE Resource  
Sent: Friday, March 18, 2011 12:16 PM  
To: OPA Resource  
Subject: FW: Response from "Contact the OIG Hotline staff"

Shannon D. Brown  
Investigative Analyst  
U.S. Nuclear Regulatory Commission  
Office of the Inspector General  
301-415-6774  
shannon.brown@nrc.gov

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

From: uid no body [mailto:nobody@www.nrc.gov]  
Sent: Friday, March 18, 2011 11:18 AM  
To: OIGHOTLINE Resource  
Subject: Response from "Contact the OIG Hotline staff"

0/136

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

() on Friday, March 18, 2011 at 11:18:14

---

Complaint: To Whom It May Concern:

Re: Japan Reactor issue

I would like to offer my services, to go into the affected area and buildings of the damaged reactors and conduct any work that you would need done, to solve your reactor problems. Perhaps filling water tanks or hooking up electrical services.

(b)(6)

Involvement:

Anonymity: no

Interview: yes

Name: Saullo, David, L  
(b)(6)  
Address: (b)(6)  
City: (b)(6)  
state (b)(6)  
Zip: (b)(6)

Ex. 6

Organization:

Home\_phone: (b)(6)

Work\_phone:

e-mail: (b)(6) Ex. 6

Complaints: Submit

---

**From:** Bonaccorso, Amy  
**To:** (b)(6) Ex. 6  
**Subject:** REPLY: traveling opinion(Japan safety)  
**Date:** Friday, March 18, 2011 1:15:43 PM

---

Hello Mr. Brown:

Yes, I can understand your concern.

Any changes to travel plans are a personal decision. Please check with your airlines for travel restrictions. You may also call the State Department hotline for American travelers: 1-888-407-4747.

Given that your trip is not until (b)(6) I don't know how helpful current information will be as things are constantly being updated. But – I hope the above information helps you make an informed decision.

Thank you,

Amy

---

**From:** Thomas Brown (b)(6) Ex. 6  
**Sent:** Friday, March 18, 2011 12:11 PM  
**To:** OPA Resource  
**Subject:** traveling opinion(Japan safety)

I had planned on traveling to (b)(6) Should I cancel my plans, due to this radiation issue? Or is it too early to give advice or form an opinion?

Thanks,  
Thomas Brown

(b)(6) Ex. 6

0/137

**From:** Bonaccorso, Amy  
**To:** (b)(6) Ev 6  
**Subject:** REPLY: Radiation Question  
**Date:** Friday, March 18, 2011 12:59:22 PM

---

Hi Mr. Chen:

I can certainly understand why you are concerned.

For international travel, we are advising people to check with their airlines for travel advisories, and also the State Department. American travelers can call 1-888-407-4747.

I hope this helps.

Thank you,

Amy

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

**From:** (b)(6) Ev 6  
**Sent:** Friday, March 18, 2011 11:56 AM  
**To:** OPA Resource  
**Subject:** Radiation Question

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

(b)(6) Ev 6  
on Friday, March 18, 2011 at 11:56:13

---

comments: i'm (b)(6) by plane and am wondering if I will be affected by the nuclear leak from Japan. I have heard that some radioactive material is being carried across the Pacific by the jet stream. Is that going to be on the path/altitude of my flight and should I be concerned about the additional radiation exposure?

contactName: Adam Chen

phone: (b)(6)

---

0/138

**From:** Bonaccorso, Amy  
**To:** Tobin, Jennifer  
**Cc:** Janbergs, Holly; Deavers, Ron  
**Subject:** RE: Radiation Question  
**Date:** Friday, March 18, 2011 12:50:01 PM

---

You rock - I knew you'd be able to say something specific to her!

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

From: Tobin, Jennifer  
Sent: Friday, March 18, 2011 12:49 PM  
To: (b)(6) Ex 6  
Subject: RE: Radiation Question

Dear Mr. Powell,

Thank you for your inquiry. All of the information available continues to indicate that no harmful level of radiation will reach the United States (including Alaska, Hawaii and the west coast).

In general, metal slows down/stops alpha and beta radiation particles and thus may offer some level of protection from those two types of particles (lead is the best at doing so). More information concerning radiation can be found on our website [www.nrc.gov](http://www.nrc.gov).

I hope that answered your question.  
-Jenny

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

From: (b)(6) Ex 6  
Sent: Thursday, March 17, 2011 8:38 AM  
To: OPA Resource  
Subject: Radiation Question

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

(b)(6) Ex 6  
on Thursday, March 17, 2011 at 08:38:25

---

comments: While all the media is talking about Radiation, please explain what protection is provided by living in a Structure / Manufactured home with a copper / metal roof ?

contactName: DL Powell

phone:

---

0/139

**From:** Bonaccorso, Amy  
**To:** Tobin, Jennifer  
**Cc:** Janbergs, Holly; Deavers, Ron  
**Subject:** RE: Status of nuclear power reactors  
**Date:** Friday, March 18, 2011 12:42:08 PM

---

That was awesome!

**From:** Tobin, Jennifer  
**Sent:** Friday, March 18, 2011 12:36 PM  
**To:** (b)(6) Ex. 6  
**Subject:** RE: Status of nuclear power reactors

Dear Mr. Night,

Thank you for your inquiry. Some of the reactors that you are referring to may currently be offline (not generating power) due to refueling. Every 12-18 months, a reactor has a month-long period in which some new fuel is inserted. Other reactors have been shut down permanently, often due to local politics. Power rates can fluctuate at a reactor unit and may cause the cause the capacity factor to be less than 100%.

I hope that answered your question.

-Jenny

**From:** James Knight (b)(6) Ex. 6  
**Sent:** Wednesday, March 16, 2011 8:11 PM  
**To:** OPA Resource  
**Subject:** Status of nuclear power reactors

To whom it may concern:

I have a question I hope you can answer.

I was wondering where I could find information telling why the reactors listed in the reactor status page are either shut down, or not operating at 100%?

It has sparked my interest once again in light of the events in Japan.

Thank you for your time.

James Knight - From (b)(6)

0/140

**From:** Janbergs, Holly  
**To:** Tobin, Jennifer  
**Subject:** RE: Technical Qs  
**Date:** Friday, March 18, 2011 5:18:00 PM

---

Awesome. You are my new favorite person.

First guy is below: he was very adamant. I'll forward other e-mail... this should be it for tonight!

Marshall Tuck

(b)(6)

Wants to know:

Are we storing spent fuel rods vertically? If so, why? Shouldn't they be stored horizontally? If there is a problem and the rods need to be covered, it is a lot easier to fill a pool with a foot of water than 12 ft (or whatever the case may be)

Thank you again!

---

**From:** Tobin, Jennifer  
**Sent:** Friday, March 18, 2011 5:13 PM  
**To:** Janbergs, Holly  
**Subject:** RE: Technical Qs

yup. i'm at the ops center until 11 tonight

---

**From:** Janbergs, Holly  
**Sent:** Friday, March 18, 2011 5:08 PM  
**To:** Tobin, Jennifer  
**Subject:** Technical Qs

Are you still available to answer a few technical questions over e-mail?

0/141



**From:** [Bonaccorso, Amy](#)  
**To:** [Janbergs, Holly](#)  
**Subject:** FW: Public question  
**Date:** Friday, March 18, 2011 4:02:57 PM

---

**From:** Royer, Deanna  
**Sent:** Friday, March 18, 2011 4:01 PM  
**To:** Bonaccorso, Amy  
**Subject:** Public question

Clair Link

(b)(6)

Re: are there any risks

(b)(6)

Deanna Royer

0/142

**From:** Bonaccorso, Amy  
**To:** Janbergs, Holly  
**Subject:** FW: Call  
**Date:** Friday, March 18, 2011 3:57:54 PM

---

**From:** Shannon, Valerie  
**Sent:** Friday, March 18, 2011 3:51 PM  
**To:** Bonaccorso, Amy  
**Subject:** Call

Name: William Stone

Phone:

Re: He is willing to help out in Japan, used to work on GE reactors

Val

0/143

**From:** Harrington, Holly  
**To:** Janbergs, Holly  
**Subject:** RE: Public Questions  
**Date:** Friday, March 18, 2011 3:17:09 PM

---

You have to come debrief me on the happenings on that desk

---

**From:** Janbergs, Holly  
**Sent:** Friday, March 18, 2011 3:13 PM  
**To:** Tobin, Jennifer; Bonaccorso, Amy; Harrington, Holly  
**Cc:** Deavers, Ron  
**Subject:** RE: Public Questions

Followed up... ye gods

---

**From:** Tobin, Jennifer  
**Sent:** Friday, March 18, 2011 2:55 PM  
**To:** Bonaccorso, Amy; Harrington, Holly  
**Cc:** Deavers, Ron; Janbergs, Holly  
**Subject:** RE: Public Questions

I didn't have time to call Ms. Peters. Could somebody please do it?

I have to go over to the Op. Center for my shift. I can still respond to email requests so you can continue to send me the technical responses to respond via email.

Thanks!  
-Jenny

---

**From:** Bonaccorso, Amy  
**Sent:** Friday, March 18, 2011 1:45 PM  
**To:** Tobin, Jennifer  
**Cc:** Deavers, Ron; Janbergs, Holly  
**Subject:** FW: Public Questions

Want these? Sounds like a good one for a technical person...

---

**From:** Royer, Deanna  
**Sent:** Friday, March 18, 2011 1:42 PM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** Public Questions

Patricia Madeley

(b)(6)

Re: How can she monitor the radiation in SC. What gov. agency can she contact in SC

Letitia Peters - (b)(6)

(b)(6)

Re: Protocol for testing of radiation at her home

Deanna Royer

0/144

**Shannon, Valerie**

---

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 7:39 AM  
**To:** Bonaccorso, Amy  
**Subject:** FW: Reactor Meltdown as in Japan

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

**From:** Miles P{elton} (b)(6) Ex6  
**Sent:** Thursday, March 17, 2011 9:07 PM  
**To:** OPA Resource  
**Subject:** Reactor Meltdown as in Japan

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

Miles P{elton} (b)(6) Ex6 on Thursday, March 17, 2011 at 21:07:26

---

comments: Is there a reason why extinguishing material such as Carbon Dioxide or Halon would not work better than water to reduce the heat of a nuclear reactor meltdown such as in Japan?

organization: (b)(6)  
address1: (b)(6)  
address2:  
city: (b)(6)  
state: (b)(6)  
zip: (b)(6)  
country: (b)(6)  
phone: (b)(6) Ex6

---

0/145

**Medina, Veronika**

---

**From:** Couret, Ivonne  
**Sent:** Friday, March 18, 2011 10:24 AM  
**To:** Medina, Veronika  
**Subject:** FW: Media - Question

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs  
Media Desk  
[opa.resource@nrc.gov](mailto:opa.resource@nrc.gov)  
301-415-8200

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

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

---

**From:** Royer, Deanna  
**Sent:** Friday, March 18, 2011 10:19 AM  
**To:** Couret, Ivonne  
**Subject:** Media - Question

Mosen Javaheri  
IRNA News Agency

(b)(6) *3/18/11*

(b)(6) *3/18/11*

Re: Are the boiling water reactors in the U.S. safe.

0/146

**From:** Bonaccorso, Amy  
**To:** (b)(6) Ex. 6  
**Subject:** REPLY: Wish to volunteer to assist in Japan if needed  
**Date:** Friday, March 18, 2011 11:22:31 AM

---

Dear Mr. Moffatt:

We understand how upsetting the situation in Japan is for everyone. It is really reassuring to see that so many people want to help. However, we are not taking volunteers.

Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.

Thank you,

Amy

---

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 9:20 AM  
**To:** Bonaccorso, Amy  
**Subject:** FW: Wish to volunteer to assist in Japan if needed

---

**From:** Graeme Moffatt [mailto:Graeme.Moffatt@defcredit.com.au]  
**Sent:** Friday, March 18, 2011 1:40 AM  
**To:** OPA Resource  
**Subject:** Wish to volunteer to assist in Japan if needed

Dear Sir/Madam,

I have been watching the events in Japan as they have unfolded, and fully understand the difficulties and challenges being faced.

I understand that as the radiation levels increase, workers will only be able to work in and around the damaged reactors for increasingly shorter periods. I can understand that there may be significant difficulties in obtaining people voluntarily to carry out the essential works.

I would like to volunteer to assist in any capacity that I can. (b)(6)

(b)(6)

While I have sent this from my work email address, you can contact me via my private email address (b)(6) Ex. 6 as it is currently going on 5 o'clock Friday here in

(b)(6)

Yours faithfully,

0/147

Graeme Moffatt

**Graeme Moffatt**

Deed Manager

Defence Force Credit Union Limited

T 03 8624 5858

F 03 9614 6670

(b)(6)

Ex. 6

E [graeme.moffatt@defcredit.com.au](mailto:graeme.moffatt@defcredit.com.au)



Please, consider the environment before printing this email

**WARNING:**

This email (including all attachments) is intended solely for the named addressee. This email also contains information, which may be confidential and/or subject to copyright. Please do not copy or forward this email to anyone unless you have the expressed permission of the sender. If you have received this email in error, please let Defcredit know by return email and then delete it from your system and destroy any copies. Defcredit does not warrant or guarantee that this email (and attachments) are free from errors, viruses or interference, or have been received in the form sent. The recipient assumes all responsibility for any consequences resulting from all uses made of this email.

**From:** Janbergs, Holly  
**To:** (b)(6) Ex 6  
**Bcc:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** Re: Suggestion  
**Date:** Friday, March 18, 2011 11:20:00 AM

---

Mr. Palen,

Thank you for sending your idea regarding liquid concrete, especially in light of your previous experience. We appreciate suggestions that work toward resolving the situation in Japan; it's reassuring to see how helpful and dedicated private citizens have been in light of this disaster.

The NRC has been working 24-hours a day to fully staff our response teams and monitor the situation overseas. We also have some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We will be doing everything we can in this difficult time.

Thank you again,  
Holly Janbergs  
Public Affairs Assistant

0/148



**From:** Janbergs, Holly  
**To:** (b)(6) Ex-6  
**Bcc:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** Re: Suggestions  
**Date:** Friday, March 18, 2011 11:19:00 AM

---

Mr. Slate,

Thank you for sending your ideas regarding the reactors in Japan. We appreciate the suggestions that work toward resolving the situation in Japan; it's reassuring to see how helpful and dedicated private citizens have been in light of this disaster. You've worked in the industry, so I'm sure you understand the complexity of the problems Japan is facing.

The NRC has been working 24-hours a day to fully staff our response teams and monitor the situation overseas. We also have some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We will be doing everything we can in this difficult time.

Thank you again,  
Holly Janbergs  
Public Affairs Assistant

0/149

**From:** Janbergs, Holly  
**To:** (b)(6) Ev G  
**Bcc:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** Re: Radiation Measurements  
**Date:** Friday, March 18, 2011 11:16:00 AM

---

Ms. Sheridan,

I understand that you are trying to find access to real-time radiation measurements. Although the NRC has been involved in radiation monitoring, the efforts have also come from a number of U.S. agencies. The best source for information on radiation monitoring is the Environmental Protection Agency.

The EPA has a list of FAQs here:

<http://www.epa.gov/radiation/japan-faqs.html>

That list contains an explanation of how to log into and use RadNet, which is the site for their radiation monitoring database. The direct link to the database is here:

<http://cdx.epa.gov>

I hope this helps,  
Holly

0/150

**From:** [Bonaccorso, Amy](#)  
**To:** [Janbergs, Holly](#)  
**Subject:** FW: Averting A Chernobyl times six in Japan  
**Date:** Friday, March 18, 2011 11:14:48 AM

---

suggestion

---

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 9:17 AM  
**To:** Bonaccorso, Amy  
**Subject:** FW: Averting A Chernobyl times six in Japan

---

**From:** (b)(6) Ex. 6  
**Sent:** Thursday, March 17, 2011 9:45 PM  
**To:** OPA Resource  
**Subject:** Averting A Chernobyl times six in Japan

NRC

I am a (b)(6) and was one of the several you called to Washington after three Mile Island.

I am greatly concerned that the problem in Japan could continue to escalate unless they give up on trying to save the reactors and start trying to save the people. Spraying water or even pumping in water most likely will not help at these temperatures because the water will just flash to steam and flow back out without providing significant cooling.

What they need to do, in my opinion is pump in liquid concrete, as used in construction - there should be trucks available in Tokyo to do this and construction companies with the know how. The concrete aggregate should contain if possible chunks of lead and a barium compound or other reaction-killing compound. Pump as much as possible into both the reactors and the holding pools. This, of course will permanently kill the reactors but they are probably destroyed anyway because of the seawater.

Please consider this suggestion and if it has merit, please transmit to your colleagues in Japan. I am (b)(6) and no longer have contacts in Japan.

Sincerely,

Joseph W. Palen

(b)(6)

0/157

**From:** Bonaccorso, Amy  
**To:** Janbergs, Holly  
**Subject:** FW: GE Mark 1 Japan  
**Date:** Friday, March 18, 2011 11:14:27 AM

---

suggestion

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 9:14 AM  
**To:** Bonaccorso, Amy  
**Subject:** FW: GE Mark 1 Japan

**From:** ron slate (b)(6) Ex. 6  
**Sent:** Thursday, March 17, 2011 8:30 PM  
**To:** OPA Resource  
**Subject:** GE Mark 1 Japan

(b)(6)

(b)(6)

I have been following the stories on the plants in Japan. I do not know the extent of the damage there, but have been using the limited amount of information I can get to think of solutions. Given that the plants are damaged to the point where sea water is being used in the reactor systems, and the fact that the containment buildings have been breached it seems to me that one might try using the main turbine condenser to establish flow through the reactor. The steam valves and feed water valves could be used to produce convection flow providing the pressure in the reactor could be reduced enough to start the process. If I could get more information of the condition of the plant systems are I could try to come up with other solutions. One thing I am concerned about is the use of sea water. Because the water as all the elements on earth in it, putting it into the reactors would produce a plethora of radio nuclei. These in turn would have many different half life's possibly increasing the back ground radiation in contaminated regions for a very long time.

Thanks for the forum to help.

Ron Slate

01/10

**From:** [Jonathan Mandell](#)  
**To:** [Janbergs, Holly](#)  
**Subject:** Re: Suggestion for Japan  
**Date:** Friday, March 18, 2011 11:13:56 AM

---

Thanks Holly, appreciate the note. What did you think of the idea?

On 3/18/11, Janbergs, Holly <Holly.Janbergs@nrc.gov> wrote:

- > Mr. Mandell,
- >
- > Thank you for sending your idea on the cloud seeding above the reactors. We
- > appreciate the suggestions that work toward resolving the situation in
- > Japan; it's reassuring to see how helpful and dedicated private citizens
- > have been in light of this disaster.
- >
- > The NRC has been working 24-hours a day to fully staff our response teams
- > and monitor the situation overseas. We also have some of the most expert
- > people in the world available to assist the Japanese authorities in whatever
- > way they request. We will be doing everything we can in this difficult time.
- >
- > Thank you again,
- > Holly Janbergs
- > Public Affairs Assistant
- >
- >

--  
Sent from my mobile device

Jonathan Mandell

(b)(6)

Ex-6

0/153

**From:** Tobin, Jennifer  
**To:** (b)(6) ex 6  
**Cc:** Bonaccorso, Amy  
**Subject:** RE: Reactors in USA  
**Date:** Friday, March 18, 2011 5:02:13 PM

---

Dear Albert,

Thank you for your inquiry. Reactors are designed for a variety of adverse conditions and licensed only after extensive technical review which includes matters of public health and safety and the protection of the environment. More information about NRC's regulatory authority can be found on our website at [www.nrc.gov](http://www.nrc.gov).

-Jenny

**From:** Albert Redditt [mailto:(b)(6)] ex 6  
**Sent:** Friday, March 18, 2011 12:38 PM  
**To:** OPA Resource  
**Subject:** Reactors in USA

Hello;

After looking at the news photos and clips of the Japanese Reactors.

It seems the weakness in the design was the plumbing that broke loose in the reactors, (no plumbing no water!!)

In the U.S., I think the reactors, if not already doing so should replace the reactor plumbing with flexible plumbing.. (this might require some high level engineering.)

Triple redundancy static plumbing is probably not going to work in anything over a 7-8 richter.. I think California has the potential for a greater than 7 quake..

(b)(6) ex 6

0/154

**From:** [Bonaccorso, Amy](#)  
**To:** [Tobin, Jennifer](#)  
**Cc:** [Deavers, Ron](#); [Janbergs, Holly](#)  
**Subject:** FW: nuclear power plants  
**Date:** Friday, March 18, 2011 1:37:28 PM

---

suggestion

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

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 1:33 PM  
**To:** Bonaccorso, Amy  
**Subject:** FW: nuclear power plants

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

**From:** Jim Jackson (b)(6) ex 6  
**Sent:** Wednesday, March 16, 2011 7:10 PM  
**To:** OPA Resource  
**Subject:** nuclear power plants

I have been watching the news and I am just concerned. As I watch I wonder why they cannot have wind mills off site of a nuclear plant that could power the generators in case of emergencies like this. Not the whole plant but to assist the generators to pump water to cool the reactors until the plant has power again. They lay miles and miles of pipeline what is wrong with ability to run power from windmills to these plants.

Just a concerned citizen.

My prayers go out to all the people caught up in disaster.

0/155

**From:** Tobin, Jennifer  
**To:** (b)(6)  
**Bcc:** Bonaccorso, Amy  
**Subject:** RE: JAPAN SUPPORT VOLUNTEER  
**Date:** Friday, March 18, 2011 1:39:00 PM

---

Dear Mr. Van Aken,

I appreciate your willingness to volunteer your services in this time of need for Japan. Unfortunately, we are not accepting volunteers at this time. I suggest that you contact your local Red Cross or other relief organization and offer your services noting your experience working with radiation. With your knowledge and skill set you would be quite an asset in the cleanup and remediation of the area surrounding the Fukushima plant.

Thank you for your offer.

-Jenny

**From:** Rex Van Aken (b)(6)  
**Sent:** Tuesday, March 15, 2011 11:35 PM  
**To:** OHRComments Resource  
**Subject:** JAPAN SUPPORT VOLUNTEER

NRC,

I would like to volunteer my services to help Japan in their time of Nuclear Reactor problems.

I am a (b)(6)  
(b)(6)

I have lived a full life and want to give a younger person a chance at life that I have enjoyed. Please consider my offer for those in need can enjoy what I have as an American.

My (b)(6)  
(b)(6)

A response to this E-mail is requested.

Contact me at:

(b)(6)

or

Rex Van Aken

(b)(6)

0/156



**From:** Bonaccorso, Amy  
**To:** Tobin, Jennifer  
**Cc:** Deavers, Ron; Janbergs, Holly  
**Subject:** FW: Response from "Contact the NRC Web Site Staff"  
**Date:** Friday, March 18, 2011 1:39:02 PM

---

Sounds like one for you...

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

From: OPA Resource  
Sent: Friday, March 18, 2011 1:35 PM  
To: Bonaccorso, Amy  
Subject: FW: Response from "Contact the NRC Web Site Staff"

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

From: NRCWEB Resource  
Sent: Wednesday, March 16, 2011 7:49 PM  
To: OPA Resource  
Subject: FW: Response from "Contact the NRC Web Site Staff"

Please respond.

Thanks

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

From: paul fuller (b)(6)  *ex b*  
Sent: Wednesday, March 16, 2011 1:55 PM  
To: NRCWEB Resource  
Subject: Response from "Contact the NRC Web Site Staff"

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

paul fuller (b)(6)  *ex b* on Wednesday, March 16, 2011 at 13:54:44

---

comments: just what if one were to place nuc.war heads around the site in japan and timed the detonation just right,could that possibly incinerate most or all of the radio active fuel on the site, without expelling a lot of r/a into the atmospher? just thinking out loud.

organization: jus trying to help

(b)(6)

*ex b*

*0/157*

**Royer, Deanna**

---

**From:** Royer, Deanna  
**Sent:** Friday, March 18, 2011 4:35 PM  
**To:** Bonaccorso, Amy  
**Subject:** Public Question

Karen Goldstein

(b)(6)

Re: radiation affects from Japan

Deanna Royer

0/158

**Royer, Deanna**

---

**From:** Royer, Deanna  
**Sent:** Friday, March 18, 2011 4:01 PM  
**To:** Bonaccorso, Amy  
**Subject:** Public question

Clair Link

(b)(6)

Re: are there any risks flying from HI to east coast

Deanna Royer

0/1/59

**Royer, Deanna**

---

**From:** Royer, Deanna  
**Sent:** Friday, March 18, 2011 3:44 PM  
**To:** Bonaccorso, Amy  
**Subject:** FW: Public question - Should I actually send this question to Amy?

James Lawson

(b)(6)

Re: was there a secret nuclear facility in Oakridge TN the 40's?

(b)(6)

(b)(6)

Was it possible that it was really radiation?

Deanna Royer

0/160

**Shannon, Valerie**

---

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 1:04 PM  
**To:** 'Paulette Daniele'  
**Subject:** RE: Additional data re. cooling nuclear reactors. Use dredgers to pump water to the nuclear reactors.

We appreciate the suggestions of folks with ideas to resolve the situation in Japan. Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.  
Thank You

-----Original Message-----  
From: Paulette Daniele (b)(6)  
Sent: Friday, March 18, 2011 11:10 AM  
To: OPA Resource  
Subject: Additional data re. cooling nuclear reactors. Use dredgers to pump water to the nuclear reactors.

The use of the "Dredger" ships like the ones they use in Dubai to pump the ocean floor to create islands would be much more effective to pump water into or onto the reactors to cool them. It would also provide a greater measure of safety.

Regards,  
Paulette Daniele

0/161

**Shannon, Valerie**

---

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 12:39 PM  
**To:** OHRComments Resource  
**Subject:** RE: Japans Meltdown risk Important!!!!

We appreciate the suggestions of folks with ideas to resolve the situation in Japan. Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.  
Thank You

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

**From:** Fleming, Kreslyon On Behalf Of OHRComments Resource  
**Sent:** Friday, March 18, 2011 9:30 AM  
**To:** OPA Resource  
**Subject:** FW: Japans Meltdown risk Important!!!!

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

**From:** Walter Thompson (b)(6)  
**Sent:** Tuesday, March 15, 2011 10:46 PM  
**To:** OHRComments Resource  
**Subject:** Japans Meltdown risk Important!!!!

I have a suggestion on how to get their reactors under control in japan. Some of the elements that can be used to absorb neutrons such as boron could be dissolved in water and pumped into the reactors. If a high enough concentration of boric acid is pumped in, this would slow or stop the nuclear reactions and shut down the reactors. Why hasn't anyone tried this? I haven't ever heard of this being tried before.

Do you think that this might work?

Regards

Walter Thompson

0/162

(b)(6)

Ex6

**From:** Harrington, Holly  
**To:** Janbergs, Holly  
**Subject:** RE: Fukushima Calculations  
**Date:** Friday, March 18, 2011 11:09:59 AM

---

Quote: We are unable to provide you with the specifics you seek at this time.

**From:** Janbergs, Holly  
**Sent:** Friday, March 18, 2011 10:59 AM  
**To:** Harrington, Holly  
**Subject:** FW: Fukushima Calculations  
**Importance:** High

Is there any information I can give him behind the calculations we attached to the latest press release? Attachments say it was determined by the Protective Measures Team in the Ops Cr, but I don't want to bother them if unnecessary.

**From:** Shawn Googins (b)(6)  
**Sent:** Friday, March 18, 2011 10:02 AM  
**To:** Janbergs, Holly  
**Subject:** RE: Fukushima Calculations  
**Importance:** High

Holly,

Thank you I already have these documents. I want to know the model/modeling software used (what is the program they used for the dispersion modeling) and the SOURCE TERM that was used in the calculations. The two documents that I already have DO NOT have the assumptions and the source terms (how many curies, which radionuclides, etc.)

Please pass this along to technical staff at the NRC thanks.

Shawn

----- Original Message -----  
Subject: Re: Fukushima Calculations  
From: "Janbergs, Holly" <Holly.Janbergs@nrc.gov>  
Date: Fri, March 18, 2011 9:29 am  
To: (b)(6)

Mr. Googins,

You can find calculations for the NRC's recommendations regarding the evacuation zone around Fukushima attached to this press release here, available on our public website:

<http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-050.pdf>

The direct link to the calculations is here:

[http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-050\\_Attchmt.pdf](http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-050_Attchmt.pdf)

I hope this answers your questions.

0/163



Thank you,  
Bethany

Beth Janbergs  
Public Affairs Assistant  
301-415-8211

**From:** Janbergs, Holly  
**To:** Shawn Googins  
**Subject:** RE: Fukushima Calculations  
**Date:** Friday, March 18, 2011 11:12:00 AM

---

Mr. Googins,

We are unable to provide you with the specifics you seek at this time.

Holly

**From:** Shawn Googins (b)(6)  
**Sent:** Friday, March 18, 2011 10:02 AM  
**To:** Janbergs, Holly  
**Subject:** RE: Fukushima Calculations  
**Importance:** High

Holly,

Thank you I already have these documents. I want to know the model/modeling software used (what is the program they used for the dispersion modeling) and the SOURCE TERM that was used in the calculations. The two documents that I already have DO NOT have the assumptions and the source terms (how many curies, which radionuclides, etc.)

Please pass this along to technical staff at the NRC thanks.

Shawn

----- Original Message -----  
Subject: Re: Fukushima Calculations  
From: "Janbergs, Holly" <Holly.Janbergs@nrc.gov>  
Date: Fri, March 18, 2011 9:29 am  
To: (b)(6)

Mr. Googins,

You can find calculations for the NRC's recommendations regarding the evacuation zone around Fukushima attached to this press release here, available on our public website:

<http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-050.pdf>

The direct link to the calculations is here:

[http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-050\\_Attchmt.pdf](http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-050_Attchmt.pdf)

I hope this answers your questions.

Thank you,  
Bethany

Beth Janbergs

0/164

Public Affairs Assistant  
301-415-8211

**From:** Janbergs, Holly  
**To:** (b)(6) Ex. C  
**Bcc:** Bonaccorso, Amy  
**Subject:** Re: Reactor Suggestion  
**Date:** Friday, March 18, 2011 11:11:00 AM

---

Mr. Olson,

Thank you for trying to reach us with your suggestion. We always appreciate feedback from the public, especially feedback in the interest of keeping nuclear power plants safe.

If you are looking to make a formal request regarding the design of future reactors, the best channel to do so would be through our public involvement forums. We try to keep our system open to public comment. The following link should help you get started:  
<http://www.nrc.gov/about-nrc/regulatory/rulemaking/public-involvement.html>

Thank you again,  
Holly Janbergs  
Public Affairs Assistant

0/165

**From:** [Bonaccorso, Amy](#)  
**To:** [Janbergs, Holly](#)  
**Cc:** [Deavers, Ron](#)  
**Subject:** FW: Radiation Measurements  
**Date:** Friday, March 18, 2011 11:07:49 AM

---

This is a Radnet one...and the website sucks...but it's all we have...

Or - the state will give them info if they need to be concerned.

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

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 9:13 AM  
**To:** Bonaccorso, Amy  
**Subject:** FW: Radiation Measurements

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

**From:** Lisa Sheridan (b)(6)  
**Sent:** Thursday, March 17, 2011 7:41 PM  
**To:** OPA Resource  
**Subject:** Radiation Measurements

Where can the general public gain access to real-time radiation measurements for the west coast? I understand forecasting based on models have been made but I haven't been able to find actual real-time numbers.

0/166

**From:** Bonaccorso, Amy  
**To:** Janbergs, Holly  
**Subject:** FW: reactor suggestion from member of the public  
**Date:** Friday, March 18, 2011 11:06:59 AM

---

suggestion

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

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 9:10 AM  
**To:** Bonaccorso, Amy  
**Subject:** FW: reactor suggestion from member of the public

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

**From:** PDR Resource  
**Sent:** Friday, March 18, 2011 8:36 AM  
**To:** OPA Resource, (b)(6) Ex. 6  
**Subject:** reactor suggestion from member of the public

Good Morning,

Thank you for contacting the USNRC Public Document Room (PDR). We assist the public with locating NRC documents and information (<http://www.nrc.gov/reading-rm/pdr.html>).

I am forwarding your e-mail to the NRC Office of Public Affairs (OPA), who can respond to your suggestion. Their office can be contacted directly at 301-415-8200 or at [opa.resource@nrc.gov](mailto:opa.resource@nrc.gov).

Thanks,  
Karen  
Librarian  
USNRC Public Document Room  
301-415-4737; 1-800-397-4209  
[pdr.resource@nrc.gov](mailto:pdr.resource@nrc.gov)

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

**From:** Roger Olson (b)(6) Ex. 6  
**Sent:** Friday, March 18, 2011 12:21 AM  
**To:** PDR Resource  
**Subject:** Response from "Contact the Public Document Room Staff"

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

Roger Olson (b)(6) Ex. 6 on Friday, March 18, 2011 at 00:20:37

---

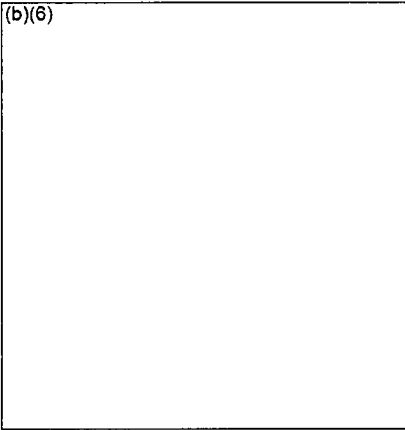
PDR Category: Other

comments: I am interested in giving a suggestion for a simple failsafe for current and future reactors. I have a degree in Physics and many years ago did some work with test nuclear reactor design so it may be worth listening to. I just need to know who to contact with the idea.

0/167

organization:

(b)(6)



Ex. 6



**From:** Bonaccorso, Amy  
**To:** (b)(6) Ex. 6  
**Subject:** REPLY: Radiation Question  
**Date:** Friday, March 18, 2011 10:52:33 AM

---

Dear Ms. Desmond:

We understand how upsetting the situation is in Japan.

If you are a U.S. Citizen in Japan, please email the State Department at JapanEmergencyUSC@state.gov with detailed information about your location and contact information.

The NRC is primarily focusing on the U.S. and is referring international questions to the State Department.

Also, for this incident, the Japanese are responsible for reporting public dose.

I hope this helps.

Amy

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

**From:** (b)(6) Ex. 6  
**Sent:** Thursday, March 17, 2011 3:01 PM  
**To:** OPA Resource  
**Subject:** Radiation Question

Below is the result of your feedback form. It was submitted by  
(b)(6) Ex. 6 on Thursday, March 17, 2011 at 15:01:28

---

comments: If the reactors blow in Northern Japan, is Okinawa--1,000 miles south-- at risk?

contactName:

phone:

---

0/168



**From:** Bonaccorso, Amy  
**To:** (b)(6) Ex. 6  
**Subject:** REPLY: Reactor Meltdown as in Japan  
**Date:** Friday, March 18, 2011 10:39:09 AM

---

Good morning:

I am sorry that I don't have a technical answer to your question, but we understand that people are very concerned about what is going on in Japan and have a lot of questions and even suggestions.

Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.

Thank you,

Amy

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

**From:** Miles P{elton} (b)(6) Ex. 6  
**Sent:** Thursday, March 17, 2011 9:07 PM  
**To:** OPA Resource  
**Subject:** Reactor Meltdown as in Japan

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

Miles P{elton} (b)(6) Ex. 6 on Thursday, March 17, 2011 at 21:07:26

---

comments: Is there a reason why extinguishing material such as Carbon Dioxide or Halon would not work better than water to reduce the heat of a nuclear reactor meltdown such as in Japan?

(b)(6)

Ex. 6

0/169

**From:** Janbergs, Holly  
**To:** (b)(6) Ex. 6  
**Bcc:** Bonaccorso, Amy  
**Subject:** Re: Travel Query  
**Date:** Friday, March 18, 2011 10:39:00 AM

---

Ms. Sullivan,

I understand your concern about travel in light of the situation in Japan. Please consult the State Department for warnings or advisories on international travel; they will be able to provide you with the most up-to-date information on the situation overseas. Hopefully that will help you make an informed choice.

Thank you,  
Holly Janbergs  
Public Affairs Assistant

0/170

**From:** Janbergs, Holly  
**To:** (b)(6) Ex. 6  
**Bcc:** Bonaccorso, Amy  
**Subject:** Re: Suggestion for Japan  
**Date:** Friday, March 18, 2011 10:34:00 AM

---

Mr. Mandell,

Thank you for sending your idea on the cloud seeding above the reactors. We appreciate the suggestions that work toward resolving the situation in Japan; it's reassuring to see how helpful and dedicated private citizens have been in light of this disaster.

The NRC has been working 24-hours a day to fully staff our response teams and monitor the situation overseas. We also have some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We will be doing everything we can in this difficult time.

Thank you again,  
Holly Janbergs  
Public Affairs Assistant

0/171

**From:** Bonaccorso, Amy  
**To:** Janbergs, Holly  
**Subject:** FW: What are the recommendations for person traveling to Korea within the next 3-4 weeks?  
**Date:** Friday, March 18, 2011 10:30:47 AM

---

For you....

**From:** Couret, Ivonne  
**Sent:** Thursday, March 17, 2011 7:12 PM  
**To:** Bonaccorso, Amy  
**Subject:** FW: What are the recommendations for person traveling to Korea within the next 3-4 weeks?

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs  
Media Desk  
opa.resource@nrc.gov  
301-415-8200

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**From:** Paula Sullivan (b)(6) Ex 6  
**Sent:** Thursday, March 17, 2011 5:25 PM  
**To:** OPA Resource  
**Subject:** What are the recommendations for person traveling to Korea within the next 3-4 weeks?

(b)(6) What, if any, recommendations are there for those of us possibly traveling that way?

0/172

**From:** Bonaccorso, Amy  
**To:** (b)(6)  
**Subject:** REPLY: Radiation Question  
**Date:** Friday, March 18, 2011 10:25:54 AM

---

Hello Ms. Cai:

We understand that the situation in Japan is upsetting a lot of people.

Any changes to travel are a personal decision. Please check with your airlines for any travel restrictions.

You should also consult with the State Department for warnings or advisories on international travel.

I hope this helps.

Thank you,

Amy

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

**From:** (b)(6) Ex. 6  
**Sent:** Thursday, March 17, 2011 9:38 AM  
**To:** OPA Resource  
**Subject:** Radiation Question

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

(b)(6) Ex. 6  
on Thursday, March 17, 2011 at 09:37:56

---

comments: Hi,

(b)(6) some ~250 km south of the problematic nuclear plants. I was wondering what the chances are of getting exposure, specifically: how far does radiation travel (on the ground) and in the atmosphere? Does being in an enclosed airplane prevent radiation?

Thank you for your time. Email or phone response would be great.

contactName: Angela Cai

(b)(6)

---

0/173

**From:** Couret, Ivonne  
**To:** Janbergs, Holly  
**Subject:** FW: Response from "Contact Us About Employment"  
**Date:** Friday, March 18, 2011 10:23:25 AM

---

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs  
Media Desk  
opa.resource@nrc.gov  
301-415-8200

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

From: NRC\_Veterans Resource  
Sent: Friday, March 18, 2011 10:16 AM  
To: Couret, Ivonne  
Subject: FW: Response from "Contact Us About Employment"

Ivonne

I'm not sure where to send this email. It came to me via the employment site.

Please forward

Thanks

Len

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

From: Jeff Johnson (b)(6) Ex. 6  
Sent: Friday, March 18, 2011 1:44 AM  
To: NRC\_Veterans Resource  
Subject: Response from "Contact Us About Employment"

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

Jeff Johnson (b)(6) Ex. 6 on Friday, March 18, 2011 at 01:44:02

---

comments: \*\* IDEA \*\*Due to Japan Nuclear Facility Crisis - as a (b)(6) I would like to submit an idea- for critical need- possible forward to field R/D groups-

Configure robotic tracked vehical catered to size need from off shelf DOD units, attach high pressure jet water cannon to inject the water, coolant or other material, (with proper high pressure flex tubing- once again off shelf) to cool Japan Nuclear Facility core - need to figure route into the facility

Could also use possible robotic drill unit -

0/174

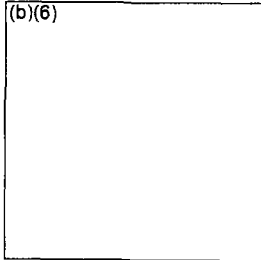
organization: none

address1:

address2:

city:

(b)(6)



-----

**From:** Shawn Googins  
**To:** Janbergs, Holly  
**Subject:** RE: Fukushima Calculations  
**Date:** Friday, March 18, 2011 10:01:59 AM  
**Importance:** High

---

Holly,

Thank you I already have these documents. I want to know the model/modeling software used (what is the program they used for the dispersion modeling) and the SOURCE TERM that was used in the calculations. The two documents that I already have DO NOT have the assumptions and the source terms (how many curies, which radionuclides, etc.)

Please pass this along to technical staff at the NRC thanks.

Shawn

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

Subject: Re: Fukushima Calculations  
From: "Janbergs, Holly" <Holly.Janbergs@nrc.gov>  
Date: Fri, March 18, 2011 9:29 am  
To: (b)(6)

Mr. Googins,

You can find calculations for the NRC's recommendations regarding the evacuation zone around Fukushima attached to this press release here, available on our public website:

<http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-050.pdf>

The direct link to the calculations is here:

[http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-050\\_Attchmt.pdf](http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-050_Attchmt.pdf)

I hope this answers your questions.

Thank you,  
Bethany

Beth Janbergs  
Public Affairs Assistant  
301-415-8211

0/175



**From:** OPA Resource  
**To:** Janbergs, Holly  
**Subject:** FW: Please Provide The assumptions and Models Used  
**Date:** Friday, March 18, 2011 9:14:27 AM

---

**From:** Shawn Googins (b)(6)  
**Sent:** Thursday, March 17, 2011 8:43 PM  
**To:** OPA Resource  
**Subject:** Please Provide The assumptions and Models Used

To Whom it may concern,

Please provide the models, assumptions and the source term that the US NRC used to develop its dose assessment and recommendations it used for the Fukisihima site. This should be released to the public on the [NRC.gov](http://NRC.gov) website.

Thank you.  
Shawn W. Googins, MS, CHP

0/176

**From:** Janbergs, Holly  
**To:** Bonaccorso, Amy  
**Subject:** FW: Radiation Question  
**Date:** Friday, March 18, 2011 8:11:00 AM

---

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

**From:** Couret, Ivonne  
**Sent:** Thursday, March 17, 2011 7:08 PM  
**To:** Janbergs, Holly  
**Subject:** FW: Radiation Question

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs  
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-----Original Message-----

**From:** (b)(6) Ex. 6  
**Sent:** Thursday, March 17, 2011 3:01 PM  
**To:** OPA Resource  
**Subject:** Radiation Question

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

(b)(6) Ex. 6  
on Thursday, March 17, 2011 at 15:01:28

comments: If the reactors blow in Northern Japan, is Okinawa--1,000 miles south-- at risk?

contactName:

phone:

-----

0/177

**From:** Janbergs, Holly  
**To:** Deavers, Ron  
**Subject:** FW: question about statement made  
**Date:** Friday, March 18, 2011 8:11:00 AM

---

**From:** Couret, Ivonne  
**Sent:** Thursday, March 17, 2011 7:06 PM  
**To:** Janbergs, Holly  
**Subject:** FW: question about statement made

Ivonne L. Couret  
Public Affairs Officer  
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**From:** (b)(6) Ex. 6  
**Sent:** Thursday, March 17, 2011 2:22 PM  
**To:** OPA Resource  
**Subject:** question about statement made

I would like the favor of a reply to this question. Below is a report from BBC quoting Chairman Jaczko, that nuclear power plants in the U.S. are built for "likely" seismic activity and to withstand tsunamis.

This cannot go unquestioned given the fact that Japan, also, designed its plants to withstand earthquakes (just not one of 9.0 magnitude) and for tsunamis, just not that one a half foot taller than expected.

Are U.S. power plants built to withstand a 9.0 earthquake? or that enormous a tsunami? What about a 10.0? and so on. The point is, the takeaway lesson from Fukushima might be, we humans cannot expect 100% every possibility into the unforeseen future particularly for the nuclear waste which will go on many lifetimes past our own. And why is this hazardous material left to a for profit industry rather than run by the government, IF (big if) we have to have it at all.

Allow me to suggest it is time to reconsider U.S. energy policy and the for - profit industry that it is. Might not we put money into solar panels for home roofs rather than propping up the nuclear industry?

You don't have to answer all these questions but I really wonder if the answer Chairman Jaczko has given about "seismic activity likely to occur" and "tsunami" is correct with what

0/178

we know now of the "unexpected."

thank you.

Catherine Green

(b)(6)

Ex 6

**1745:** US nuclear plants are robust, assures a senior US nuclear official. "Every plant in the United States is designed to deal with whatever seismic activity is likely to occur," Nuclear Regulatory Commission Chairman Gregory Jaczko said, adding that all the country's plants in coastal areas have been built to withstand tsunamis.

**From:** Janbergs, Holly  
**To:** Bonaccorso, Amy  
**Subject:** FW: Radiation Question  
**Date:** Friday, March 18, 2011 8:10:00 AM

---

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

From: Couret, Ivonne  
Sent: Thursday, March 17, 2011 6:41 PM  
To: Janbergs, Holly  
Subject: FW: Radiation Question

Ivonne L. Couret  
Public Affairs Officer  
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-----Original Message-----

From: (b)(6) Ex. 6  
Sent: Thursday, March 17, 2011 8:38 AM  
To: OPA Resource  
Subject: Radiation Question

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

(b)(6) Ex. 6  
on Thursday, March 17, 2011 at 08:38:25

---

comments: While all the media is talking about Radiation, please explain what protection is provided by living in a Structure / Manufactured home with a copper / metal roof ?

contactName: DL Powell

phone:

---

0/179

**From:** Janbergs, Holly  
**To:** Bonaccorso, Amy  
**Subject:** FW: Radiation Question  
**Date:** Friday, March 18, 2011 8:09:00 AM

---

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

**From:** Couret, Ivonne  
**Sent:** Thursday, March 17, 2011 6:31 PM  
**To:** Janbergs, Holly  
**Subject:** FW: Radiation Question

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs  
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-----Original Message-----

**From:** (b)(6) Ex. 6  
**Sent:** Wednesday, March 16, 2011 6:29 PM  
**To:** OPA Resource  
**Subject:** Radiation Question

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

(b)(6) Ex. 6  
on Wednesday, March 16, 2011 at 18:28:48

---

comments: Dear Folks,  
Will the nuclear cloud affect the Boreallis in the northern hemisphere.

contactName: Daisey Fish

(b)(6)

---

0/180

**From:** Janbergs, Holly  
**To:** Deavers, Ron  
**Subject:** FW: Radiation Question  
**Date:** Friday, March 18, 2011 8:09:00 AM

---

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

**From:** Couret, Ivonne  
**Sent:** Thursday, March 17, 2011 6:37 PM  
**To:** Janbergs, Holly  
**Subject:** FW: Radiation Question

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs  
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-----Original Message-----

**From:** (b)(6) Ex. 6  
**Sent:** Wednesday, March 16, 2011 7:19 PM  
**To:** OPA Resource  
**Subject:** Radiation Question

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

(b)(6) Ex. 6  
on Wednesday, March 16, 2011 at 19:19:28

comments: do the us plants have back-up generators to run the cooling systems? Why didn't the Japan facility have this backup to prevent all this disaster of over heating? Thanking you

contactName: Benjie Brown

(b)(6)

---

0/181

**From:** Tobin, Jennifer  
**To:** (b)(6)  
**Subject:** RE: Response from "Contact the NRC Web Site Staff"  
**Date:** Friday, March 18, 2011 8:17:53 PM

---

Dear Mr. Stack,

I thank you for your further explanation. I understand your suggestion. In Japan, they are pursuing multiple pathways to provide electricity and water to the damaged sites. Since the Japanese government has started their response, they have pursued the installation of mobile generators onsite, building the electrical pipeline and the use of firefighting equipment and techniques. The U.S. government is acting upon all requests of assistance by the Japanese government.

-Jenny

**From:** Tim Stack (b)(6)  
**Sent:** Friday, March 18, 2011 7:02 PM  
**To:** Tobin, Jennifer  
**Subject:** RE: Response from "Contact the NRC Web Site Staff"

Jenny, I know there are backup generators as I worked in at Exelon's Zion Nuclear for 14 years before it shut down. My point is that when there is a loss of power as in Japan they had a catastrophic loss of electricity. In other words the back-up generators were not available and they could not pump water. This could happen here in the U.S.A. No back-up generator was working or going to work. My suggestion is to look at having a gasoline, diesel, or propane pump available to pump the water when there is no generated electricity available. At Fukushima they were dropping water on the fuel pool with helicopters and using fire trucks with high powered water cannons to not much avail. This could have been averted if there was a simple thing like a pump that is used on many construction sites to remove water. Do you get it??? Granted someone will have to manually start the pump, but it is just a matter of having a battery or pull start like on an outboard motor...Please reply. Thank-you Tim Stack

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

**From:** Tobin, Jennifer [<mailto:Jennifer.Tobin@nrc.gov>]  
**Sent:** Friday, March 18, 2011 12:34 PM  
**To:** (b)(6)  
**Subject:** RE: Response from "Contact the NRC Web Site Staff"

Dear Mr. Stack,

The NRC requires that all of the reactors in the United States have at least one back-up generator per reactor unit. Often, the reactor operators have multiple back-up generators per unit since any reactor downtime means that they are losing money.

Additionally, the NRC completes extensive health and safety and environmental reviews which include considerations from natural disasters. I hope this answers your question.

-Jenny

-----Original Message-----  
**From:** timothy f. stack (b)(6)  
**Sent:** Friday, March 18, 2011 11:43 AM  
**To:** NRCWEB Resource

0/182



Subject: Response from "Contact the NRC Web Site Staff"

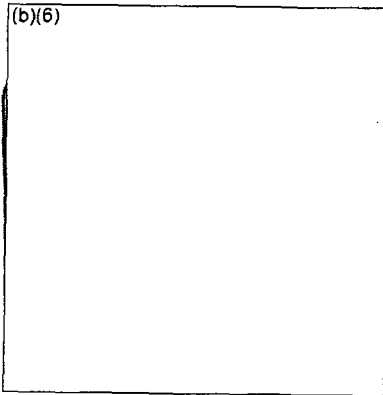
Below is the result of your feedback form. It was submitted by

timothy f. stack (b)(6) on Friday, March 18, 2011 at  
11:42:52

---

comments: Question: Do the nuclear plants in the U.S. have back-up pumping  
(gas, diesel, propane, etc. driven) capability to supply water to the spent  
fuel pools in case of a total loss of electricity as in the Japan  
earthquake/tsunami

(b)(6)



ex 6

phone:

---

**From:** Antonie Hansen  
**To:** Tobin, Jennifer  
**Subject:** Re: San Ofrio Power plant ..tsunami  
**Date:** Friday, March 18, 2011 11:31:56 PM

---

Dear Jennifer,

Thank you for your quick response.

What beautiful command you have of the English language and the bureaucratic phrasing in your response. I hope that P.G.&E as operators of the San Onofre nuclear plant are not as suspect in their public utterances as their counterpart in Japan. I fully appreciate your concerns for the nuclear plant disaster in Japan and the lessons we may learn from it. A friend of mine pointed out that there is a 25' wall at San Onofre. I must have seen an older picture of the plant. Now the question has arisen if a 25' wall is sufficient to protect the plant from a much higher tsunami effect. I am sure you are on top of it. Are the other westcoast nuclear plants protected in the same manner? Do we have standby generators and a ready electric source? I am convinced that you may have numerous more questions already that can come up with.

Thank you again, your reply has been illuminating.

The best of luck to you. I sincerely hope we don't have an earthquake on the westcoast tomorrow as some have predicted. Keeping my fingers crossed.

Tony Hansen

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

From: "Tobin, Jennifer" <Jennifer.Tobin@nrc.gov>

To: (b)(6)

Sent: Fri, March 18, 2011 11:00:28 AM

Subject: RE: San Ofrio Power plant ..tsunami

ex b

Dear Mr. Hansen,

Thank you for your inquiry. I understand your concern about the San Onofre plant. At this time, our agency is focused on assisting our counterparts in Japan. We intend to use the information gained from this emergency to better risk-inform our licensing decisions related to plants that have a potential to be affected.

However, I can assure you that before a reactor begins operation, extensive safety and security reviews are completed by our agency. Additionally, the NRC completes an environmental assessment of potential impacts. Within the last few years, the NRC have worked bilaterally with the Japanese to understand the potential design modifications for seismic activity and other natural disasters. Since that time, the NRC has worked with our licensees (the plant operators) to provide some back-fit measures to enhance the physical infrastructure. I hope that answers your question.

-Jenny

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

From: Antonie Hansen (b)(6)

Sent: Thursday, March 17, 2011 10:51 PM

To: OPA Resource

Subject: San Ofrio Power plant ..tsunami

ex b

Dear Sirs/Madam,

0/183

There does not appear to be a protective wall from a tsunami effect for the San Onofre Nuclear Power Plant .

I saw a photograph of the beach and the power plant and there does not appear to

be any protection from a 100 foot tsunami.

Is your agency planning to do something about this very obvious exposure to a tsunami ?

I would appreciate your comments.

Tony Hansen

**From:** Janberg, Holly on behalf of OPA Resource  
**To:** Bonaccorso, Amy; Tobin, Jennifer; Deavers, Ron  
**Subject:** FW: Additional data re. cooling nuclear reactors. Use dredgers to pump water to the nuclear reactors.  
**Date:** Friday, March 18, 2011 2:46:11 PM

---

I like this person!!

-----Original Message-----  
From: Paulette Daniele (b)(6)  
Sent: Friday, March 18, 2011 2:17 PM  
To: OPA Resource  
Subject: Re: Additional data re. cooling nuclear reactors. Use dredgers to pump water to the nuclear reactors.

Thank you for the quick response. It helped put my heart at ease. I apologize if I implied in anyway the lack of intelligence of the NRC experts. I was compelled to offer my idea out of what I see unfolding in the media. I felt I had nothing to lose by sharing my thoughts knowing that sometimes large gifts come in small packages, and that prayers work in many ways. I'm reassured by your message and will not take up any more of your time. Appreciate all your continued efforts, and I will support by putting my efforts in prayer and financial contributions.

On Mar 18, 2011, at 10:03 AM, OPA Resource wrote:

> We appreciate the suggestions of folks with ideas to resolve the  
> situation in Japan. Please understand that the NRC has some of the  
> most expert people in the world available to assist the Japanese  
> authorities in whatever way they request. We are fully staffed in  
> all our response teams at this time and working 24-hours a day.  
> Thank You  
>  
> -----Original Message-----  
> From: Paulette Daniele (b)(6)  
> Sent: Friday, March 18, 2011 11:10 AM  
> To: OPA Resource  
> Subject: Additional data re. cooling nuclear reactors. Use dredgers  
> to pump water to the nuclear reactors.  
>  
> The use of the "Dredger" ships like the ones they use in Dubai to pump  
> the ocean floor to create islands would be much more effective to  
> pump water into or onto the reactors to cool them. It would also  
> provide a greater measure of safty.  
>  
> Regards,  
> Paulette Daniele

0/184

**From:** [Bonaccorso, Amy](#)  
**To:** [Tobin, Jennifer](#)  
**Subject:** FW: questions on spent fuel  
**Date:** Friday, March 18, 2011 2:44:30 PM

---

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

From: Janbergs, Holly On Behalf Of OPA Resource  
Sent: Friday, March 18, 2011 2:43 PM  
To: Bonaccorso, Amy  
Subject: FW: questions on spent fuel

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

From: Lynn Garner [<mailto:lgarner@bna.com>]  
Sent: Friday, March 18, 2011 1:29 PM  
To: OPA Resource  
Subject: questions on spent fuel

Hi,

3 questions:

1. what is the total volume of used fuel in pools at US commercial power plants nationwide?
2. what is the average volume of spent fuel in the pools at reactor plants?
3. how much spent fuel is stored in dry cask storage nationwide now?
4. are there any regulations that say how much used fuel can be kept in pools?

Thanks,  
Lynn

W. Lynn Garner, Staff Writer  
Bureau of National Affairs'  
Daily Report for Executives  
1801 South Bell Street, Arlington, VA 22202  
(office) 703-341-5811 (b)(6)  
lgarner@bna.com www.bna.com

0/185

**From:** [Tobin, Jennifer](#)  
**To:** [Bonaccorso, Amy](#)  
**Cc:** [Deavers, Ron](#)  
**Subject:** RE: Public - Question  
**Date:** Friday, March 18, 2011 2:09:00 PM

---

I talked with Mr. Dougan about the new reactor license application review process. I encouraged him to get involved in the public meeting process when it comes to that part of the application process. (he was quite the talker, got a HUGE meteorological lecture)

-Jenny

**From:** Bonaccorso, Amy  
**Sent:** Friday, March 18, 2011 11:36 AM  
**To:** Tobin, Jennifer  
**Cc:** Deavers, Ron  
**Subject:** FW: Public - Question

Jenny:

Again - it might be more reassuring for these people to talk to someone with technical background.

**From:** Royer, Deanna  
**Sent:** Friday, March 18, 2011 11:02 AM  
**To:** Deavers, Ron; Bonaccorso, Amy  
**Subject:** Public - Question

David Babcock  
203-336-7900 *rel*  
[babcockd@fivestarproducts.com](mailto:babcockd@fivestarproducts.com)  
Re: Any changes with number of plants or developing new plants

Gordon Dougan  
(b)(6)  
Re: reactor being built in CO

Deanna Royer

0/186

**From:** Bonaccorso, Amy  
**To:** (b)(6)  
**Subject:** REPLY: Virginia Kelly-Concerned Citizen  
**Date:** Friday, March 18, 2011 2:01:14 PM

---

Hello Ms. Kelly:

I understand that you are concerned about radiation levels in CA. The NRC continues to monitor information regarding wind patterns near Japanese nuclear power plants. Nevertheless, given the distance between Japan and the West Coast – we are not expected to experience any harmful levels of radioactivity. The EPA monitors radiation levels and agrees with this assessment.

You may also want to check with the CA Department of Radiation Safety – click on CA <http://nrc-stp.ornl.gov/asdirectory.html>

You can check our website, [www.nrc.gov](http://www.nrc.gov), for additional information – press releases and the NRC Blog.

Thank you,

Amy

**From:** Ghneim, Munira  
**Sent:** Friday, March 18, 2011 1:49 PM  
**To:** Bonaccorso, Amy  
**Subject:** Virginia Kelly-Concerned Citizen

Good Afternoon Amy,

Virginia Kelly would like someone to call her back. She is concerned about what is going on in California regarding the radiation.

Thank you  
Munira Ghneim  
Contract Secretary  
Office of Information Services

0/187

**From:** Tobin, Jennifer  
**To:** Bonaccorso, Amy  
**Cc:** Deavers, Ron; Janbergs, Holly  
**Subject:** RE: Public Questions  
**Date:** Friday, March 18, 2011 1:49:00 PM

---

Sure, calling

**From:** Bonaccorso, Amy  
**Sent:** Friday, March 18, 2011 1:45 PM  
**To:** Tobin, Jennifer  
**Cc:** Deavers, Ron; Janbergs, Holly  
**Subject:** FW: Public Questions

Want these? Sounds like a good one for a technical person...

**From:** Royer, Deanna  
**Sent:** Friday, March 18, 2011 1:42 PM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** Public Questions

Patricia Madeley

(b)(6)

Re: How can she monitor the radiation in SC. What gov. agency can she contact in SC

Letitia Peters (b)(6)

(b)(6)

Re: Protocol for testing of radiation at her home

Deanna Royer

0/188



**From:** Bonaccorso, Amy  
**To:** (b)(6) ex6  
**Subject:** REPLY: traveling opinion(Japan safety)  
**Date:** Friday, March 18, 2011 1:15:41 PM

---

Hello Mr. Brown:

Yes, I can understand your concern.

Any changes to travel plans are a personal decision. Please check with your airlines for travel restrictions. You may also call the State Department hotline for American travelers: 1-888-407-4747.

Given that your trip is not until December, I don't know how helpful current information will be as things are constantly being updated. But – I hope the above information helps you make an informed decision.

Thank you,

Amy

---

**From:** Thomas Brown (b)(6) ex6  
**Sent:** Friday, March 18, 2011 12:11 PM  
**To:** OPA Resource  
**Subject:** traveling opinion(Japan safety)

I had planned on (b)(6). Should I cancel my plans, due to this radiation issue? Or is it too early to give advice or form an opinion?

Thanks,  
Thomas Brown

(b)(6) ex6

0/189

**From:** Tobin, Jennifer  
**To:** (b)(6) ex 6  
**Bcc:** Deavers, Ron; Bonaccorso, Amy  
**Subject:** RE: San Ofrio Power plant ..tsunami  
**Date:** Friday, March 18, 2011 1:00:00 PM

---

Dear Mr. Hansen,

Thank you for your inquiry. I understand your concern about the San Onofre plant. At this time, our agency is focused on assisting our counterparts in Japan. We intend to use the information gained from this emergency to better risk-inform our licensing decisions related to plants that have a potential to be affected.

However, I can assure you that before a reactor begins operation, extensive safety and security reviews are completed by our agency. Additionally, the NRC completes an environmental assessment of potential impacts. Within the last few years, the NRC have worked bilaterally with the Japanese to understand the potential design modifications for seismic activity and other natural disasters. Since that time, the NRC has worked with our licensees (the plant operators) to provide some back-fit measures to enhance the physical infrastructure. I hope that answers your question.

-Jenny

-----Original Message-----  
**From:** Antonie Hansen (b)(6) ex 6  
**Sent:** Thursday, March 17, 2011 10:51 PM  
**To:** OPA Resource  
**Subject:** San Ofrio Power plant ..tsunami

Dear Sirs/Madam,

There does not appear to be a protective wall from a tsunami effect for the San Onofre Nuclear Power Plant .

I saw a photograph of the beach and the power plant and there does not appear to be any protection from a 100 foot tsunami.

Is your agency planning to do something about this very obvious exposure to a tsunami ?

I would appreciate your comments.

Tony Hansen

0/190

**From:** Bonaccorso, Amy  
**To:** Tobin, Jennifer  
**Subject:** FW: Response from "Contact the NRC Web Site Staff"  
**Date:** Friday, March 18, 2011 1:11:46 PM

---

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

From: OPA Resource  
Sent: Friday, March 18, 2011 1:08 PM  
To: Bonaccorso, Amy  
Subject: FW: Response from "Contact the NRC Web Site Staff"

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

From: NRCWEB Resource  
Sent: Friday, March 18, 2011 11:48 AM  
To: OPA Resource  
Subject: FW: Response from "Contact the NRC Web Site Staff"

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

From: timothy f. stack (b)(6) ex 6  
Sent: Friday, March 18, 2011 11:43 AM  
To: NRCWEB Resource  
Subject: Response from "Contact the NRC Web Site Staff"

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

timothy f. stack (b)(6) ex 6 on Friday, March 18, 2011 at 11:42:52

---

comments: Question: Do the nuclear plants in the U.S. have back-up pumping (gas, diesel, propane, etc. driven) capability to supply water to the spent fuel pools in case of a total loss of electricity as in the Japan earthquake/tsunami

(b)(6)

ex 6

phone:

---

0/191

**From:** Bonaccorso, Amy  
**To:** Tobin, Jennifer  
**Subject:** FW: Public Question  
**Date:** Friday, March 18, 2011 1:11:59 PM

---

**From:** Royer, Deanna  
**Sent:** Friday, March 18, 2011 1:11 PM  
**To:** Bonaccorso, Amy  
**Subject:** Public Question

Steve Kelly

(b)(6)

ex 6

Re: how to track radiation from Japan

Deanna Royer

0/192

**From:** Bonaccorso, Amy  
**To:** (b)(6) *ex 6*  
**Subject:** REPLY: Radiation Question  
**Date:** Friday, March 18, 2011 12:59:20 PM

---

Hi Mr. Chen:

I can certainly understand why you are concerned.

For international travel, we are advising people to check with their airlines for travel advisories, and also the State Department. American travelers can call 1-888-407-4747.

I hope this helps.

Thank you,

Amy

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

**From:** (b)(6) *ex 6*  
**Sent:** Friday, March 18, 2011 11:56 AM  
**To:** OPA Resource  
**Subject:** Radiation Question

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

(b)(6) *ex 6*  
on Friday, March 18, 2011 at 11:56:13

---

comments: (b)(6) and am wondering if I will be affected by the nuclear leak from Japan. I have heard that some radioactive material is being carried across the Pacific by the jet stream. Is that going to be on the path/altitude of my flight and should I be concerned about the additional radiation exposure?

contactName: Adam Chen

(b)(6)

---

0/193

**From:** Bonaccorso, Amy  
**To:** Tobin, Jennifer  
**Cc:** Janbergs, Holly; Deavers, Ron  
**Subject:** RE: Status of nuclear power reactors  
**Date:** Friday, March 18, 2011 12:42:07 PM

---

That was awesome!

**From:** Tobin, Jennifer  
**Sent:** Friday, March 18, 2011 12:36 PM  
**To:** (b)(6) *ex 6*  
**Subject:** RE: Status of nuclear power reactors

Dear Mr. Night,  
Thank you for your inquiry. Some of the reactors that you are referring to may currently be offline (not generating power) due to refueling. Every 12-18 months, a reactor has a month-long period in which some new fuel is inserted. Other reactors have been shut down permanently, often due to local politics. Power rates can fluctuate at a reactor unit and may cause the cause the capacity factor to be less than 100%.

I hope that answered your question.

-Jenny

**From:** James Knight (b)(6) *ex 6*  
**Sent:** Wednesday, March 16, 2011 8:11 PM  
**To:** OPA Resource  
**Subject:** Status of nuclear power reactors

To whom it may concern:

I have a question I hope you can answer.

I was wondering where I could find information telling why the reactors listed in the reactor status page are either shut down, or not operating at 100%?

It has sparked my interest once again in light of the events in Japan.

Thank you for your time.

James Knight - From (b)(6)

0/194

**From:** Bonaccorso, Amy  
**To:** OPA Resource  
**Subject:** REPLY: Radiation Question  
**Date:** Friday, March 18, 2011 12:47:30 PM

---

Hi Ms. Hermanson:

Yes, I can see why you are concerned.

You can call the CDC for health related questions: 1-800-CDC-INFO. Hopefully they can give you some good information.

I hope this helps!

Thanks,

Amy

----- Original Message -----  
**From:** (b)(6)  
**Sent:** Wednesday, March 16, 2011 8:23 PM  
**To:** OPA Resource  
**Subject:** Radiation Question

ex 6

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

(b)(6) on Wednesday, March 16, 2011 at 20:23:20

ex 6

(b)(6)

contactName: tess hermanson

(b)(6)

0/195

**From:** Bonaccorso, Amy  
**To:** (b)(6) ex 6  
**Subject:** REPLY: Response from "Contact Us About Employment"  
**Date:** Friday, March 18, 2011 12:40:37 PM

---

Hello Mr. Bobbitt:

Thank you for writing and offering to assist. We understand how upsetting the situation in Japan is for people and greatly appreciate the offers to help, but we are not taking volunteers.

Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.

Thank you,

Amy

-----Original Message-----  
**From:** David Bryan Bobbitt (b)(6) ex 6  
**Sent:** Tuesday, March 15, 2011 7:27 PM  
**To:** OHRComments Resource  
**Subject:** Response from "Contact Us About Employment"

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

David Bryan Bobbitt (b)(6) ex 6 on Tuesday, March 15, 2011 at 19:27:02

---

**comments:** (b)(6)  
(b)(6)

We both posses passports and are interested in seeing if the NRC needs any experienced nuclear workers to go and help in Japan. We would entertain working in the U.S. also if you have a need for an experienced nuclear worker team. Our resume's can be sent immediately after we receive an address to send them to with a contact name and phone number.

organization:

(b)(6)

ex 6

0/196



**From:** Tobin, Jennifer  
**To:** (b)(6) ex 6  
**Bcc:** Bonaccorso, Amy  
**Subject:** RE: Status of nuclear power reactors  
**Date:** Friday, March 18, 2011 12:35:00 PM

---

Dear Mr. Night,

Thank you for your inquiry. Some of the reactors that you are referring to may currently be offline (not generating power) due to refueling. Every 12-18 months, a reactor has a month-long period in which some new fuel is inserted. Other reactors have been shut down permanently, often due to local politics. Power rates can fluctuate at a reactor unit and may cause the cause the capacity factor to be less than 100%.

I hope that answered your question.

-Jenny

**From:** James Knight (b)(6) ex 6  
**Sent:** Wednesday, March 16, 2011 8:11 PM  
**To:** OPA Resource  
**Subject:** Status of nuclear power reactors

To whom it may concern:

I have a question I hope you can answer.

I was wondering where I could find information telling why the reactors listed in the reactor status page are either shut down, or not operating at 100%?

It has sparked my interest once again in light of the events in Japan.

Thank you for your time.

James Knight - From (b)(6)

0/197

**From:** Tobin, Jennifer  
**To:** (b)(6) ex 6  
**Bcc:** Deavers, Ron; Ridge, Christianne; Bonaccorso, Amy  
**Subject:** RE: Radiation Question  
**Date:** Friday, March 18, 2011 12:25:00 PM

---

To whom it may concern,  
Thank you for your inquiry. Based on our knowledge of the situation, we believe there is no potential for harmful levels of radiation to reach the United States (including Alaska, Hawaii and the west coast). The NRC has sent a technical team to Japan to assist in any way that the Japanese government requests. Information including press releases are available on our website [www.nrc.gov](http://www.nrc.gov) and are updated frequently.

-Jenny

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

**From:** (b)(6) ex 6  
**Sent:** Thursday, March 17, 2011 3:20 PM  
**To:** OPA Resource  
**Subject:** Radiation Question

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

(b)(6) ex 6  
on Thursday, March 17, 2011 at 15:20:28

---

comments: (b)(6)

(b)(6)

Are my kids in danger from nuclear radiation if the worst case scenario happens far away in Japan?  
How about Texas? How about food sources- seafood, and land products?

contactName:

phone:

---

0/198

**From:** Bonaccorso, Amy  
**To:** Tobin, Jennifer  
**Cc:** Deavers, Ron  
**Subject:** FW: San Ofrio Power plant ..tsunami  
**Date:** Friday, March 18, 2011 11:16:45 AM

---

Jenny:

Wondering if you could handle this one...

Thanks,

Amy

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

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 9:18 AM  
**To:** Bonaccorso, Amy  
**Subject:** FW: San Ofrio Power plant ..tsunami

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

**From:** Antonie Hansen (b)(6)   ex 6  
**Sent:** Thursday, March 17, 2011 10:51 PM  
**To:** OPA Resource  
**Subject:** San Ofrio Power plant ..tsunami

Dear Sirs/Madam,

There does not appear to be a protective wall from a tsunami effect for the San Onofri Nuclear Power Plant .  
I saw a photograph of the beach and the power plant and there does not appear to be any protection from a 100 foot tsunami.  
Is your agency planning to do something about this very obvious exposure to a tsunami ?  
I would appreciate your comments.  
Tony Hansen

0/199

**From:** Bonaccorso, Amy  
**To:** Janbergs, Holly  
**Subject:** FW: Call  
**Date:** Friday, March 18, 2011 12:19:22 PM

---

**From:** Shannon, Valerie  
**Sent:** Friday, March 18, 2011 12:09 PM  
**To:** Bonaccorso, Amy  
**Subject:** Call

**Name:** Steve Jambourian

**From:** (b)(6)

**Phone:** (b)(6)

**E-mail:** Steve@mohavecleaning.com

**Re:** (b)(6) and has concerns

Val

0/200

**From:** Janbergs, Holly  
**To:** Steve@mohavecleaning.com  
**Subject:** Travel Query  
**Date:** Friday, March 18, 2011 12:24:00 PM

---

Mr. Jambourian,

I received a message about your (b)(6) I understand your concerns; the situation in Japan is ongoing and everyone is looking to keep themselves safe.

In the meantime, please know that the NRC has been working with other federal agencies to monitor radiation between Japan and Hawaii, Alaska, the U.S. Pacific Territories, and the U.S. West Coast. Given our results, we expect the U.S. to avoid any harmful levels of radioactivity. We are continuing to monitor radioactive releases from Japan and working to predict their paths. The best source for additional information on radiation tracking is the Environmental Protection Agency.

Any changes you decide to make to your travel plans are a personal decision. Please check with your airline to determine whether they have imposed any travel restrictions.

I hope this answers your question. Please let me know if you have any further concerns.

Thank you,  
Holly

0/201

**From:** Janbergs, Holly  
**To:** Bonaccorso, Amy  
**Subject:** RE: Call  
**Date:** Friday, March 18, 2011 12:25:00 PM

---

Responded, forgot to cc

**From:** Bonaccorso, Amy  
**Sent:** Friday, March 18, 2011 12:19 PM  
**To:** Janbergs, Holly  
**Subject:** FW: Call

**From:** Shannon, Valerie  
**Sent:** Friday, March 18, 2011 12:09 PM  
**To:** Bonaccorso, Amy  
**Subject:** Call

Name: Steve Jambourian  
From: (b)(6)  
Phone: (b)(6)  
E-mail: [Steve@mohavecleaning.com](mailto:Steve@mohavecleaning.com)  
Re: (b)(6) and has concerns

Val

0/202

**From:** Janbergs, Holly  
**To:** Heller, Kevin  
**Subject:** RE: Howdy  
**Date:** Friday, March 18, 2011 12:05:00 PM

---

Thanks ☺

---

**From:** Heller, Kevin  
**Sent:** Friday, March 18, 2011 12:03 PM  
**To:** Janbergs, Holly  
**Subject:** RE: Howdy

Nice! Hope everything goes smoothly. If you need any additional help, drop a line and I'll see if I can muster up some troops.

-Kevin

Arthur Kevin Heller  
NRR/DSS/SNPB  
Desk: 301-415-8379

---

**From:** Janbergs, Holly  
**Sent:** Friday, March 18, 2011 11:53 AM  
**To:** Heller, Kevin  
**Subject:** RE: Howdy

(b)(6)

EYb

**From:** Heller, Kevin  
**Sent:** Friday, March 18, 2011 11:49 AM  
**To:** Janbergs, Holly  
**Subject:** RE: Howdy

When it rains it pours. Where are you moving too? Got all the help you need to get it done?

-Kevin

Arthur Kevin Heller  
NRR/DSS/SNPB  
Desk: 301-415-8379

---

**From:** Janbergs, Holly  
**Sent:** Friday, March 18, 2011 11:47 AM  
**To:** Heller, Kevin

0/203

**Subject:** RE: Howdy

Thanks. At this point I'm honestly having trouble sleeping even when I do get home; I'm too keyed up. So having someone around to help me blow off some steam would be great.

To make matters more fun, I'm moving next weekend! Let's see if I can even get a day off to do that... >.<

---

**From:** Heller, Kevin  
**Sent:** Friday, March 18, 2011 11:28 AM  
**To:** Janbergs, Holly  
**Subject:** RE: Howdy

Perfectly understandable (also is why I'm not sure of my schedule. There's a bunch of things in the pipe down here we're talking about).  
And if you do manage to get a break I imagine you'll want to spend it sleeping, but the option to shoot Dinosaurs/T-800s is nice to have.

Hopefully the actual potential-immediate-consequences of the crisis will be over by then.

-Kevin

P.S. If you're going nuts and want to vent you can always shoot me an email. I can't promise any coherent replies ("I like bacon"), but that's probably half the fun.

Arthur Kevin Heller  
NRR/DSS/SNPB  
Desk: 301-415-8379

---

**From:** Janbergs, Holly  
**Sent:** Friday, March 18, 2011 11:22 AM  
**To:** Heller, Kevin  
**Subject:** RE: Howdy

No idea.

Can't make any promises about my schedule for next week; I don't think the crisis in japan is going anywhere any time soon

---

**From:** Heller, Kevin  
**Sent:** Friday, March 18, 2011 11:21 AM  
**To:** Janbergs, Holly  
**Subject:** RE: Howdy

Paintball is fun. Any places around here to rent equipment and go at it?

Also thinking of D&B next Thursday, but I need to see my schedule at the beginning of the week.

-Kevin



Arthur Kevin Heller  
NRR/DSS/SNPB  
Desk: 301-415-8379

---

**From:** Janbergs, Holly  
**Sent:** Friday, March 18, 2011 11:08 AM  
**To:** Heller, Kevin  
**Subject:** RE: Howdy

Mostly 10-hr days; the actual public affairs officers have it much worse. We've been pulling in help from all over the place, and we have a system in place now that works, more or less. Means we can all actually take bathroom and food breaks occasionally!

That sounds amazing. Maybe we can go paintballing when things die down a little?

---

**From:** Heller, Kevin  
**Sent:** Friday, March 18, 2011 11:03 AM  
**To:** Janbergs, Holly  
**Subject:** RE: Howdy

Ouch =(

::hugs::

How many hours a day have you been pulling since then?

You guys should buy some NERF dart-guns and run around the cubicles to relieve some stress. (it would give me an excuse to bring in mine)

-Kevin

Arthur Kevin Heller  
NRR/DSS/SNPB  
Desk: 301-415-8379

---

**From:** Janbergs, Holly  
**Sent:** Friday, March 18, 2011 10:45 AM  
**To:** Heller, Kevin  
**Subject:** RE: Howdy

Overtime

I've been working since Sunday – our office has been going 24 hrs since Friday

---

**From:** Heller, Kevin  
**Sent:** Friday, March 18, 2011 10:41 AM  
**To:** Janbergs, Holly  
**Subject:** RE: Howdy

Oh nuts, are you serious?

Does that constitute overtime for you or credit hours?

-Kevin

Arthur Kevin Heller  
NRR/DSS/SNPB  
Desk: 301-415-8379

---

**From:** Janbergs, Holly  
**Sent:** Friday, March 18, 2011 10:40 AM  
**To:** Heller, Kevin  
**Subject:** RE: Howdy

Thanks ☺ It would be more reassuring if I'm not going to be working over the weekend, lol

---

**From:** Heller, Kevin  
**Sent:** Friday, March 18, 2011 10:35 AM  
**To:** Janbergs, Holly  
**Subject:** Howdy

Hey Beth!

Sorry things have been rough with the situation in Japan. You'll have to tell me how things have been up there in OPA at some point, but for the moment take a step back and breathe deeply because it's Friday!!

The weekend awaits!

-Kevin

Arthur Kevin Heller  
General Engineer  
Office of Nuclear Reactor Regulation  
Division of Safety Systems  
Nuclear Performance and Code Review Branch  
Office: O-10 E13  
Desk: 301-415-8379

**From:** [Janbergs, Holly](#)  
**To:** [Bonaccorso, Amy](#)  
**Cc:** [Deavers, Ron](#)  
**Subject:** RE: Citizen  
**Date:** Friday, March 18, 2011 11:40:00 AM

---

Left msg; will follow up

**From:** Bonaccorso, Amy  
**Sent:** Friday, March 18, 2011 11:34 AM  
**To:** Janbergs, Holly  
**Cc:** Deavers, Ron  
**Subject:** FW: Citizen

**From:** Akstulewicz, Brenda  
**Sent:** Friday, March 18, 2011 10:00 AM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** Citizen

Carol Rodriguez

(b)(6)

left no details

**Brenda Akstulewicz**  
Administrative Assistant  
Office of Public Affairs  
301-415-8209  
[brenda.akstulewicz@urc.gov](mailto:brenda.akstulewicz@urc.gov)



0/204

**From:** [Janbergs, Holly](#)  
**To:** [Bonaccorso, Amy](#)  
**Cc:** [Deavers, Ron](#)  
**Subject:** RE: Citizen-info  
**Date:** Friday, March 18, 2011 11:07:00 AM

---

Left messages for all; I'll follow up later

---

**From:** Bonaccorso, Amy  
**Sent:** Friday, March 18, 2011 11:02 AM  
**To:** Janbergs, Holly  
**Cc:** Deavers, Ron  
**Subject:** FW: Citizen-info

For you...

---

**From:** Akstulewicz, Brenda  
**Sent:** Friday, March 18, 2011 9:06 AM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** Citizen-info

Juan

(b)(6)

Seeking info on radiation

Adam

(b)(6)

dangers of 2<sup>nd</sup> exposure to radiation

Greg Olson

(b)(6)

no message

**Brenda Akstulewicz**  
Administrative Assistant  
Office of Public Affairs  
301-415-8209  
[brenda.akstulewicz@nrc.gov](mailto:brenda.akstulewicz@nrc.gov)



0/205

**Shannon, Valerie**

---

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 11:13 AM  
**To:** Bonaccorso, Amy  
**Subject:** FW: Japan Nuclear Crisis

**From:** (b)(6) Ex 6  
**Sent:** Friday, March 18, 2011 9:52 AM  
**To:** OPA Resource  
**Subject:** Japan Nuclear Crisis

Gentlemen,

I am a (b)(6)

I find it frustrating to watch helicopters indiscriminately dump water over the reactors when most of the water either disperses in the air or is blocked by the remaining building structure. It seems to me that a more precise method is needed to deliver materials into the spent fuel pools.

A large concrete boom pump may be able to do this. For example, the Putzmeister BSF 63Z-Meter has a 200-foot vertical and 190-foot horizontal reach. Pictures of this pump as well as others can be found online. A camera could be mounted to the end of the boom to help the operator precisely position the boom and to provide much needed information as to the pools condition.

After the boom is positioned, a pipe could be connected that would bypass the pump on the boom truck and allow another pump positioned further away from the radiation to deliver water or maybe some type of slurry into the pool.

For what it is worth,

Trey Setterlin

0/206

**Medina, Veronika**

---

**From:** Couret, Ivonne  
**Sent:** Friday, March 18, 2011 11:29 AM  
**To:** Medina, Veronika  
**Subject:** FW: Media call - Deadline Insurance pub. - Price Anderson

**Importance:** High

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs  
Media Desk  
[opa.resource@nrc.gov](mailto:opa.resource@nrc.gov)  
301-415-8200

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<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1350/>

**From:** Couret, Ivonne  
**Sent:** Friday, March 18, 2011 11:29 AM  
**To:** Sheehan, Neil  
**Subject:** Media call - Deadline Insurance pub. - Price Anderson  
**Importance:** High

Michelle Lerner  
Price Anderson Question  
202-362-1832

(b)(6)

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs  
Media Desk  
[opa.resource@nrc.gov](mailto:opa.resource@nrc.gov)  
301-415-8200

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<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1350/>

0/207

**Deavers, Ron**

---

**From:** Tobin, Jennifer  
**Sent:** Friday, March 18, 2011 12:21 PM  
**To:** Deavers, Ron  
**Cc:** Bonaccorso, Amy; Ridge, Christianne  
**Subject:** RE: Radiation Question

Called and answered that EPA monitors radiation levels on a national basis. I told him about radnet and offered some explanation that the readings weren't recorded in terms of dose but the counts /minute could provide some insight into background and trends.

-Jenny

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

**From:** Deavers, Ron  
**Sent:** Thursday, March 17, 2011 7:16 PM  
**To:** Tobin, Jennifer  
**Cc:** Bonaccorso, Amy; Ridge, Christianne; Deavers, Ron  
**Subject:** FW: Radiation Question

Jenny can you do this when you are not busy

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

**From:** OPA Resource  
**Sent:** Thursday, March 17, 2011 5:53 PM  
**To:** Deavers, Ron; Bonaccorso, Amy  
**Subject:** FW: Radiation Question

6

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

**From:** (b)(6)  
**Sent:** Wednesday, March 16, 2011 1:42 PM  
**To:** OPA Resource  
**Subject:** Radiation Question

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

(b)(6) on Wednesday, March 16, 2011 at 13:42:17

---

comments: It is my understanding that the NRC is the only U.S. agency monitoring Atmospheric radiation over the Pacific North West. Is there a place where the public can view a synopsis of this information on a daily basis?

contactName: David Struve

phone: (b)(6)

---

**Medina, Veronika**

---

**From:** Couret, Ivonne  
**Sent:** Friday, March 18, 2011 12:38 PM  
**To:** Medina, Veronika  
**Subject:** FW: ABC National Radio Tour Invitation

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs  
Media Desk  
[opa.resource@nrc.gov](mailto:opa.resource@nrc.gov)  
301-415-8200

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<http://www.nrc.gov/reading-rm/photo-gallery/>

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

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**From:** Harrington, Holly  
**Sent:** Friday, March 18, 2011 12:29 PM  
**To:** Couret, Ivonne  
**Subject:** FW: ABC National Radio Tour Invitation

---

**From:** Marrero, Antonia [<mailto:Antoniamarrero@abc.com>]  
**Sent:** Friday, March 18, 2011 12:26 PM  
**To:** Harrington, Holly  
**Subject:** ABC National Radio Tour Invitation

Hello, Holly,

Bobby Whithorne over at Homeland Security suggestions I contact you with this request.

I'm interested in getting someone from the NRC to talk about the state of nuclear facilities here in this country, in the wake of what's going on in Japan. Are we prepared for a situation like the one going on in that country? What is being done to make sure we don't *have* a situation like that. You get the general drift.

How this works is you give me someone from say 7a-8a or 830am some morning (soon hopefully). I take that window and create a schedule of one-on-one interviews with some of our top talk radio affiliates across the country. This may sound like a lot, but it goes smoothly. We actually had DHS Secretary Napolitano do a tour and they were quite pleased with how it turned out.

Let me know what you think, please.

Thanks,

Toni Marrero



|| Antonia Marrero | Manager, News & Program Services | ABC News Radio | O: (212) 456-5121 | C:

(b)(6)

||

~~4~~  
~~EX~~ 6

EX 6

**Shannon, Valerie**

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**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 12:40 PM  
**To:** NRCWEB Resource  
**Subject:** RE: Response from "Contact the NRC Web Site Staff"

We appreciate the suggestions of folks with ideas to resolve the situation in Japan. Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.

Thank You

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

**From:** NRCWEB Resource  
**Sent:** Friday, March 18, 2011 9:53 AM  
**To:** OPA Resource  
**Subject:** FW: Response from "Contact the NRC Web Site Staff"

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

**From:** Joshua Leasure (b)(6) Ex6  
**Sent:** Friday, March 18, 2011 8:52 AM  
**To:** NRCWEB Resource  
**Subject:** Response from "Contact the NRC Web Site Staff"

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

Joshua Leasure (b)(6) Ex6 on Friday, March 18, 2011 at 08:52:10

-----

comments: (b)(6)  
(b)(6)

(b)(6) however I seem to be pretty good at developing practical solutions to problems that require an unconventional approach. I would like to offer my assistance to the current crisis in Japan if US involvement is such that it would be helpful. I currently have a couple ideas as to the use of CO2 gas to cool the overheated reactors rather than just using water as CO2 is readily available with the use of generators and can be continually piped to simple screen filters for quick cooling.

organization: CEMC

address1: (b)(6)

address2:

city: (b)(6)

state: (b)(6)

zip: (b)(6)

country: (b)(6)

0/210

phone:

(b)(6)

~~ENG~~

**Shannon, Valerie**

---

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 12:56 PM  
**To:** Bonaccorso, Amy  
**Subject:** FW: Radiation Question

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

From: (b)(6) ~~EX6~~  
Sent: Friday, March 18, 2011 11:56 AM  
To: OPA Resource  
Subject: Radiation Question

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

(b)(6) ~~EX6~~ on Friday, March 18, 2011 at 11:56:13

---

comments: (b)(6) by plane and am wondering if I will be affected by the nuclear leak from Japan. I have heard that some radioactive material is being carried across the Pacific by the jet stream. Is that going to be on the path/altitude of my flight and should I be concerned about the additional radiation exposure?

contactName: Adam Chen

phone: (b)(6) ~~EX6~~

---

0/2/11

**Shannon, Valerie**

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**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 12:58 PM  
**To:** Bonaccorso, Amy  
**Subject:** FW: JAPAN SUPPORT VOLUNTEER

**From:** Fleming, Kreslyon **On Behalf Of** OHRComments Resource  
**Sent:** Friday, March 18, 2011 9:31 AM  
**To:** OPA Resource  
**Subject:** FW: JAPAN SUPPORT VOLUNTEER

**From:** Rex Van Aken (b)(6)  
**Sent:** Tuesday, March 15, 2011 11:35 PM  
**To:** OHRComments Resource  
**Subject:** JAPAN SUPPORT VOLUNTEER

NRC,  
I would like to volunteer my services to help Japan in their time of Nuclear Reactor problems.

(b)(6)

A response to this E-mail is requested.

Contact me at:

(Cell: (b)(6) EX6

or

Rex Van Aken

(b)(6)

0/2/2

**Shannon, Valerie**

---

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 1:02 PM  
**To:** Bonaccorso, Amy  
**Subject:** FW: Pumping water for Japanese Reactors

**From:** steve griffiths (b)(6) Ex 6  
**Sent:** Friday, March 18, 2011 10:26 AM  
**To:** OPA Resource  
**Subject:** Pumping water for Japanese Reactors

When Katrina hit the US, there was a US (maybe OKLA) company that had a pump & pipe system which could empty flood water in large quantities quickly. Couldn't that be used to pump seawater into those reactors?

Thx  
Steve Griffiths

**Shannon, Valerie**

---

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 1:05 PM  
**To:** 'Clay A. Rosson'  
**Subject:** RE: US Military should take control of Japan Nuclear Site

We appreciate the suggestions of folks with ideas to resolve the situation in Japan. Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day. Thank You

**From:** Clay A. Rosson (b)(6)  
**Sent:** Friday, March 18, 2011 11:41 AM  
**To:** OPA Resource  
**Subject:** US Military should take control of Japan Nuclear Site

Ex6

Dear NRC,

French nuclear experts have estimated that Japan has 24 hours left to get this under control at the power plant. Obviously, the site will never be cleaned up. The current location will be the disposal site on the coast. We have no choice there. The water dumped by helicopter is being used as if the site will become functional again and is not effective enough.

Four out of the six reactors are getting hotter and going to full meltdown and ultimate ruin of the country of Japan. I have learned from my studies that nuclear materials can be stored in glass. If glass beads/sand/clay were blown into the reactor/spent fuel pools that are getting hotter, the glass should melt and entomb the hot fuel. The radiation should stop immediately. IF we spray sand on the hot reactor it will turn to glass.

I found this technical quote which better describes the process:

The key issue is maintaining the geometry of the fuel rods and keeping them cool stops a partial or full meltdown, however it is essential that the geometry is maintained to avoid any criticality and injection of absorber material is essential to protect against loss of Geometry. A solution maybe to use Boron Dust or Small Boron glass beads which are the ultimate protection for Gas Reactors.

It may be necessary for the US to seize the site and take over control. The IAEA has never had any teeth really. The learning curve may be too steep for the Japanese to be able to react in time. National boundaries are irrelevant now.

Best Regards,

--  
Clay Rosson  
Civil and Environmental Engineer  
Skype Name is clayrosson

0/214

cell (b)(6) Ex 6  
fax 209-537-7938



**Shannon, Valerie**

---

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 1:05 PM  
**To:** 'Trevor Hartford'  
**Subject:** RE: boiling water reactors

We appreciate the suggestions of folks with ideas to resolve the situation in Japan. Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.

Thank You

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

**From:** Trevor Hartford (b)(6) Ex6  
**Sent:** Friday, March 18, 2011 11:41 AM  
**To:** OPA Resource  
**Subject:** boiling water reactors

Hello:

My name is Trevor Hartford. I live in (b)(6). I also have experience working with older steam powered equipment (locomotives). I have been watching closely on TV the developments in Fukushima Dai ichi as I find nuclear accidents very interesting. I had an idea for the improvement of the safety in a meltdown situations for Boiling Water Reactors.

These reactors are, if I'm not mistaken, GE designed and have many copies here in the U.S. So this accident, could under a highly unlikely set of circumstances, happen in the US. One thing I find very puzzling is: why are there not a steam powered emergency cooling system? In the event of fuel melting, you have plenty of steam.

Perhaps steam turbine driven centrifugal pumps (likely multi-stage would be required), which take steam directly out of the reactor, and also smaller steam turbines to provide emergency electrical power. As this accident has demonstrated, losing all power to these plants can prove to be catastrophic. It will also be interesting to see what happens when they try to hook up external electrical power. I have a lot of concern they're going to find that their fire damaged electrical controls aren't going to work at all. I also find it ironic that the problem they face is trying to battle control the release of the reactor's energy while at the same time they have no usable energy to operate the safety systems, which is the basic issue my idea would address. Emergency steam driven pumps would 1) remove heat from the reactor and 2) serve the purpose of pumping cooling water. I am thinking of system which has no electrical controls at all besides perhaps a valve to divert to the steam out of the reactor (with a manual override) and toward emergency pumps, which would therefore make it less vulnerable to fire. These pumps could be plumbed to directly to pump make up water for emergency situations only (river water, sea water, etc.). You could even pipe the exhaust from these turbines back into the makeup water supply so that you wouldn't have any steam venting unless an overpressure situation occurred.

Best Regards

Trevor Hartford

(b)(6)

0/215

**Shannon, Valerie**

---

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 1:06 PM  
**To:** (b)(6) Ex6  
**Subject:** RE: possible solutions for Fukushima from Dr. Rhodes

We appreciate the suggestions of folks with ideas to resolve the situation in Japan. Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day. Thank You

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**From:** (b)(6) Ex6  
**Sent:** Friday, March 18, 2011 11:23 AM  
**To:** OPA Resource  
**Subject:** possible solutions for Fukushima from Dr. Rhodes

Hello...I know you have been swamped with possibilites of rectifying the grave situation in Japan...Here are my ideas...Graphite in a powdered or perhaps slurry form could be introduced into the containment chamber...Graphite is a nuclear moderator that could slow down the reaction...It might also be combined with Be (beryllium) that refects neutrons to further inhibit the process of radiation...Also deterium (heavy water) is a redardant for nuclear reaction and of course is used in heavy water reactors already...And of course the capping or use of a sturdy re-bar concrete or whatever "sarcophagus" is the last resort...I believe that was the result in Chernobyl . Dry ice or CO2 could also be a possibility for a slowdown of the gamma ray emmsission and reactions. Thought I would offer these ideas...Hope for the best,Dr. Bill Rhodes (b)(6) Ex6

0/2/16

## Shannon, Valerie

---

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 1:07 PM  
**To:** 'Harley Grahn'  
**Subject:** RE: JAPAN'S REACTORS: How to get high a volume of water into Japan's Reactors safely

We appreciate the suggestions of folks with ideas to resolve the situation in Japan. Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.

Thank You

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

**From:** Harley Grahn (b)(6) Ex6  
**Sent:** Friday, March 18, 2011 11:21 AM  
**To:** OPA Resource  
**Subject:** JAPAN'S REACTORS: How to get high a volume of water into Japan's Reactors safely

I'm frustratingly watching them spray water from a helicopter and getting a few drops into the reactor and wanted to suggest a much more affective solution.

A high temperature steel pipe with an angle facing down could be lowered, just overhanging the edge of the the reactors, using a long steel cable and a helicopter. Picture a long piece of steel pipe with a 45 degree turn at the very end, the length of pipe would have to be long enough to give a safe distance for connecting another section to the straight portion of it. As soon as the first section was in place, then connect another run of pipe. You could then pump water at continuous high volume from a safe distance.

Please forward this to someone as quickly as possible, as it is a very practical solution to cooling the reactors.

Harley Grahn

0/217

**Royer, Deanna**

---

**From:** Royer, Deanna  
**Sent:** Friday, March 18, 2011 1:11 PM  
**To:** Bonaccorso, Amy  
**Subject:** Public Question

Steve Kelly

(b)(6)

Re: how to track radiation from Japan

Deanna Royer

0/218

**Shannon, Valerie**

---

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 1:33 PM  
**To:** Bonaccorso, Amy  
**Subject:** FW: nuclear power plants

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

**From:** Jim Jackson (j(b)(6)) Ex6  
**Sent:** Wednesday, March 16, 2011 7:10 PM  
**To:** OPA Resource  
**Subject:** nuclear power plants

I have been watching the news and I am just concerned. As I watch I wonder why they cannot have wind mills off site of a nuclear plant that could power the generators in case of emergencies like this. Not the whole plant but to assist the generators to pump water to cool the reactors until the plant has power again. They lay miles and miles of pipeline what is wrong with ability to run power from windmills to these plants.

Just a concerned citizen.

My prayers go out to all the people caught up in disaster.

0/2/19

**Shannon, Valerie**

---

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 1:34 PM  
**To:** 'RAYMOND MCCARTHY'  
**Subject:** RE: Japanese situation

We appreciate the suggestions of folks with ideas to resolve the situation in Japan. Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.  
Thank You

**From:** RAYMOND MCCARTHY (b)(6)  
**Sent:** Wednesday, March 16, 2011 7:18 PM  
**To:** OPA Resource  
**Subject:** Japanese situation

Ex 6

To whom it may concern:

An idea I had is as follows:

Is it possible to detonate a tactical or strategic nuclear device at these plants in Japan, melting the rods and core, etc., thereby stopping the meltdown of the reactors.

Let's hope and pray they get this under control.

Ray McCarthy

**Shannon, Valerie**

---

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 1:35 PM  
**To:** (b)(6) Ex6  
**Subject:** RE: Japan's only option....

We appreciate the suggestions of folks with ideas to resolve the situation in Japan. Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.  
Thank You

**From:** (b)(6) Ex6  
**Sent:** Friday, March 18, 2011 12:16 PM  
**To:** OPA Resource  
**Subject:** Japan's only option....

Dear Sir:

At this point the only thing that should be attempted is to dump large amounts of "Lead Pellets" directly into, on and around the Reactor. Many advantages will occur when the pellet's liquefy such as shielding of the control rods from the uranium, etc... the meltdown will maximize instantly and not be prolonged yet a radiation shield will be created. I advise pellets around the building first before dumping pellets directly onto the reactor. When cooled radiation should be reduce substantially.

David Palmieri  
(b)(6) Ex6

0/221

**Shannon, Valerie**

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**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 1:35 PM  
**To:** Bonaccorso, Amy  
**Subject:** FW: Response from "Contact the NRC Web Site Staff"

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

**From:** NRCWEB Resource  
**Sent:** Wednesday, March 16, 2011 7:49 PM  
**To:** OPA Resource  
**Subject:** FW: Response from "Contact the NRC Web Site Staff"

Please respond.

Thanks

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

**From:** paul fuller (b)(6) Ex6  
**Sent:** Wednesday, March 16, 2011 1:55 PM  
**To:** NRCWEB Resource  
**Subject:** Response from "Contact the NRC Web Site Staff"

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

paul fuller (b)(6) on Wednesday, March 16, 2011 at 13:54:44

---

comments: just what if one were to place nuc.war heads around the site in japan and timed the detonation just right, could that possibly incinerate most or all of the radio active fuel on the site, without expelling a lot of r/a into the atmospher? just thinking out loud.

organization: jus trying to help

address1: (b)(6)

address2: n/a

city: (b)(6)

state: (b)(6)

zip: (b)(6)

country: (b)(6)

phone: (b)(6) x6

---

0/222



## Shannon, Valerie

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**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 1:36 PM  
**To:** 'Dunbar, Michael V'  
**Subject:** RE: Why not use robots to sense radiation and add water?

We appreciate the suggestions of folks with ideas to resolve the situation in Japan. Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.

Thank You

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

**From:** Dunbar, Michael V (b)(6)  
**Sent:** Friday, March 18, 2011 12:25 PM  
**To:** OPA Resource  
**Subject:** Why not use robots to sense radiation and add water?

Why not use predators or other UAV's to fly over the plant and report radiation accurately?

They could also provide command and control to remote efforts to restore water flow.

Also, couldn't someone rig up a tanker truck to run remotely. Then it could drive right up to the tank and put the water in.

The USMC just had the Kaman Huskie and Boeing T-160 demonstrate autonomous cargo delivery capabilities.

Couldn't a prototype be used to drop water into the hot zone, at lower altitudes, without risking human life.

Keep up the good work.

Mike Dunbar

FLIGHT DECK SIMULATORS 2-122 bldg. B-XT46

\*\*\*\* New Work (Cell phone: (b)(6)) \*\*\*\*\* Work phone: 206-544-4999.

<http://bxt40.web.boeing.com/BXT46>

Ex6

0/223

**Deavers, Ron**

---

**From:** Bonaccorso, Amy  
**Sent:** Friday, March 18, 2011 1:38 PM  
**To:** Deavers, Ron; Janbergs, Holly  
**Subject:** FW: Response from "Contact the NRC Web Site Staff"

fyi

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

**From:** Tobin, Jennifer  
**Sent:** Friday, March 18, 2011 1:34 PM  
**To:** (b)(6) DG  
**Subject:** RE: Response from "Contact the NRC Web Site Staff"

Dear Mr. Stack

The NRC requires that all of the reactors in the United States have at least one back-up generator per reactor unit. Often, the reactor operators have multiple back-up generators per unit since any reactor downtime means that they are losing money.

Additionally, the NRC completes extensive health and safety and environmental reviews which include considerations from natural disasters. I hope this answers your question.

-Jenny

6  
-----Original Message-----

**From:** timothy f. stack (b)(6)  
**Sent:** Friday, March 18, 2011 11:43 AM  
**To:** NRCWEB Resource  
**Subject:** Response from "Contact the NRC Web Site Staff"

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

6  
timothy f. stack (b)(6) on Friday, March 18, 2011 at 11:42:52

---

comments: Question: Do the nuclear plants in the U.S. have back-up pumping (gas, diesel, propane, etc. driven) capability to supply water to the spent fuel pools in case of a total loss of electricity as in the Japan earthquake/tsunami

organization: (b)(6)

address1: (b)(6) 6

address2:

city: (b)(6) 6

state: (b)(6) 6

zip: (b)(6)

0/224

**Deavers, Ron**

---

**From:** Deavers, Ron  
**Sent:** Friday, March 18, 2011 1:44 PM  
**To:** (b)(6)  
**Subject:** Thank you for your offer of help

6 We received your message:

comments: I am a (b)(6)

(b)(6) I am inquiring as to whether NRC is gathering a list of volunteers to assist in resolving and remediating the Japan nuclear crisis. If so, you may place me on that list.

We appreciate your offer of help, however, we are fully staffed in all our response teams at this time.

0/225

**Ghneim, Munira**

---

**From:** Ghneim, Munira  
**Sent:** Friday, March 18, 2011 1:54 PM  
**To:** Bonaccorso, Amy  
**Subject:** RE: Virginia Kelly-Concerned Citizen

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

OMG I am sorry...

Email is (b)(6)  
Phone is [redacted] 6

**From:** Bonaccorso, Amy  
**Sent:** Friday, March 18, 2011 1:51 PM  
**To:** Ghneim, Munira  
**Subject:** RE: Virginia Kelly-Concerned Citizen

Did you get a number?

Thanks,

Amy

**From:** Ghneim, Munira  
**Sent:** Friday, March 18, 2011 1:49 PM  
**To:** Bonaccorso, Amy  
**Subject:** Virginia Kelly-Concerned Citizen

Good Afternoon Amy,

Virginia Kelly would like someone to call her back. She is concerned about what is going on in California regarding the radiation.

Thank you  
Munira Ghneim  
Contract Secretary  
Office of Information Services

0/226

**Shannon, Valerie**

---

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 1:55 PM  
**To:** 'Inken Gerlach'  
**Subject:** RE: Fukushima - dry ice to cool fuel rods????

We appreciate the suggestions of folks with ideas to resolve the situation in Japan. Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.  
Thank You

---

**From:** Inken Gerlach (b)(6) Ex6  
**Sent:** Friday, March 18, 2011 1:27 PM  
**To:** OPA Resource  
**Subject:** Fukushima - dry ice to cool fuel rods????

To Whom it May Concern,

why can't they use DRY ICE to cool down the reactors or at least cool the remaining water in the reactors.

It would be a lot easier to drop it into the reactors than water.

Regards,  
Inken Gerlach

Ghneim, Munira

---

**From:** Ghneim, Munira  
**Sent:** Friday, March 18, 2011 2:02 PM  
**To:** Bonaccorso, Amy  
**Subject:** Nancy Strauss

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Concerned Citizen in [redacted] (b)(7)(C) would like to know when is this plume going to hit, how long it is suppose to last and where will it go from there

Nancy Strauss

Phone: [redacted] (b)(7)(C)  
Email: [redacted] (b)(7)(C) Ex 6

Thanks  
Munira

see/O

**Royer, Deanna**

---

**From:** Royer, Deanna  
**Sent:** Friday, March 18, 2011 2:40 PM  
**To:** Couret, Ivonne  
**Subject:** FW: Media - Question

She called back to add cell phone

---

**From:** Royer, Deanna  
**Sent:** Friday, March 18, 2011 1:12 PM  
**To:** Couret, Ivonne  
**Subject:** Media - Question

Wendy Coch  
USA Today  
703-854-3648

(b)(6) cell) Ex 6

[wkoch@usatoday.com](mailto:wkoch@usatoday.com)

Re: USC report..what is NRC's response

0/229

**Deavers, Ron**

---

**From:** Bonaccorso, Amy  
**Sent:** Friday, March 18, 2011 2:51 PM  
**To:** Deavers, Ron  
**Subject:** FW: Radiation Question

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

From: Janbergs, Holly On Behalf Of OPA Resource  
Sent: Friday, March 18, 2011 2:45 PM  
To: Bonaccorso, Amy  
Subject: FW: Radiation Question

6

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

From: (b)(6)  
Sent: Friday, March 18, 2011 2:07 PM  
To: OPA Resource  
Subject: Radiation Question

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

(b)(6) on Friday, March 18, 2011 at 14:06:49

comments: how long does radiation fallout last from a nuclear meltdown?

As for the situation in Japan, I live in (b)(6) and am wondering how long I should be taking a supplement after if and when a major meltdown occurs? I'm looking at Kelp supplement with banana's for potassium (sp?)

contactName: Marsha

phone: (b)(6)

0/230



**Deavers, Ron**

---

**From:** Deavers, Ron  
**Sent:** Friday, March 18, 2011 2:57 PM  
**To:** (b)(6)  
**Subject:** RE: Ice drop for Fukushima.

We appreciate the suggestions of folks with idea to resolve the situation in Japan. Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.

**From:** (b)(6)  
**Sent:** Friday, March 18, 2011 1:47 PM  
**To:** OPA Resource  
**Cc:** (b)(6)  
**Subject:** Re: Ice drop for Fukushima.

6

Dear Mr. Brenner.

I am a concerned citizen, who has an idea for temporarily cooling the reactors and buildings at the Japanese Fukushima Daiichi site. It is large amounts of air-dropped small sized ice. About 500,000 Kilo's of ice. About the amount of ice produced in Tokyo each day. Unlike the water that is being attempted, which dissapates in the air. The ice if dropped via helicopter, would land on the intended target, and would melt into cooling water. I have tried to contact Japanese authorities to suggest this, but I cannot get through. Can you at least suggest this idea to the Japanese authoriteis to buy some time in order to get the cooling system back on-line?

Thank you for your time in this matter  
Sincerely, Darin Homchick. (b)(6)

0/231

**From:** Bonaccorso, Amy  
**To:** Janbergs, Holly  
**Cc:** Deavers, Ron  
**Subject:** FW: Lead in the concrete possibly burying Japanese nuclear plant?  
**Date:** Friday, March 18, 2011 11:23:07 AM

---

Suggestion for you

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 9:25 AM  
**To:** Bonaccorso, Amy  
**Subject:** FW: Lead in the concrete possibly burying Japanese nuclear plant?

**From:** Lon (b)(6) Ex. 6  
**Sent:** Friday, March 18, 2011 8:11 AM  
**To:** OPA Resource  
**Subject:** Lead in the concrete possibly burying Japanese nuclear plant?

Do they or is it a good idea for there to be lead chips, liquids or full lead solids input in the concrete poured on a buried nuclear plant. Just a thought. Is there an answer?

Lon Fredric Palitz

(b)(6) Ex. 6  
(b)(6)

0/232

**From:** Bonaccorso, Amy  
**To:** (b)(6) Ex. 6  
**Cc:** Deavers, Ron; Janbergs, Holly  
**Subject:** REPLY: Iodine for fallout  
**Date:** Friday, March 18, 2011 11:27:37 AM

---

**Hello Dr. Jassenfratz:**

**The NRC continues to monitor information regarding wind patterns near the Japanese nuclear power plants. Nevertheless, given the distance between Japan and Hawaii, we are not expected to experience any harmful levels of radioactivity. The NRC does not believe that protective measures are necessary in the U.S.**

**Otherwise, we are sending health related questions to the CDC:**

**1-800-CDC-INFO**

**Thank you,**

**Amy**

**From:** Jay Hassenfratz (b)(6) Ex. 6  
**Sent:** Wednesday, March 16, 2011 4:23 PM  
**To:** OPA Resource  
**Subject:** Iodine for fallout

I am an endocrinologist who is getting questions from my patients traveling to (b)(6) The question is weather they need iodine for protection. What are the recommendations?

Jay Hassenfratz

0/233

**From:** Janbergs, Holly  
**To:** (b)(6) Ex. 6  
**Bcc:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** Safety of Nuclear Reactors  
**Date:** Friday, March 18, 2011 11:34:00 AM

---

Ms. Crittenden,

Thank you for sharing your concerns. We have received the letters you referenced. The NRC is always looking to improve safety and security of U.S. reactors, and we will be analyzing the information that comes out of this incident in Japan to see if there are any lessons we can apply to our own regulations. President Obama has also directed the agency to conduct a comprehensive review of the safety of U.S. nuclear plants, and we will be doing so.

U.S. power plants are built to withstand environmental hazards, including earthquakes. Even those plants located outside of areas with extensive seismic activity are designed for safety in the event of a natural disaster. The NRC also requires robust safety and security systems at nuclear plants to combat potential terrorist threats. Facilities are required to perform in regular exercises that are designed to test the integrity of a plant's defenses and response capabilities. You can read more about the types of emergency preparedness we require at the following links:

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

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

Applications for new nuclear reactors such as North Anna, Unit 3 undergo a lengthy process to determine the feasibility and safety of the site and proposed design. Each goes through an extended period of review, both from a safety and an environmental standpoint. The particular application you referenced is still in early stages, and there will be plenty of opportunities for public comment as the NRC researches the proposed reactor. There is more information available here, including a schedule:

<http://www.nrc.gov/reactors/new-reactors/col/north-anna.html>

I hope this answers your questions.

Thank you,  
Holly

0/234

**From:** Janbergs, Holly  
**To:** Bonaccorso, Amy  
**Cc:** Deavers, Ron  
**Subject:** RE: Japan Call  
**Date:** Friday, March 18, 2011 11:45:00 AM

---

Followed up

---

**From:** Bonaccorso, Amy  
**Sent:** Friday, March 18, 2011 11:34 AM  
**To:** Janbergs, Holly  
**Cc:** Deavers, Ron  
**Subject:** FW: Japan Call

**From:** Screnci, Diane  
**Sent:** Friday, March 18, 2011 10:06 AM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** FW: Japan Call

Here's one

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

---

**From:** Urban, Richard  
**Sent:** Friday, March 18, 2011 10:03 AM  
**To:** Screnci, Diane  
**Subject:** Japan Call

Has an idea how to save the plants. Ed Greeson

(b)(6)

0/235

**From:** Janbergs, Holly  
**To:** (b)(6) E.Y. 6  
**Bcc:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** Re: Lead Suggestion  
**Date:** Friday, March 18, 2011 11:35:00 AM

---

Mr. Palitz,

Thank you for sending your idea on the use of lead chips in concrete. We appreciate suggestions that work toward resolving the situation in Japan; it's reassuring to see how helpful and dedicated private citizens have been in light of this disaster.

The NRC has been working 24-hours a day to fully staff our response teams and monitor the situation overseas. We also have some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We will be doing everything we can in this difficult time.

Thank you again,  
Holly Janbergs  
Public Affairs Assistant

0/236

**From:** Bonaccorso, Amy  
**To:** (b)(6) Ex. 6  
**Subject:** REPLY: Japan Nuclear Crisis  
**Date:** Friday, March 18, 2011 11:45:07 AM

---

Hello Mr. Setterlin:

We understand that a lot of people are frustrated with what is going on in Japan. And, we appreciate the suggestions of folks with ideas to resolve the situation in Japan. It is reassuring to know that people are trying to help.

Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.

Thank you for writing,

Amy

**From:** (b)(6) Ex. 6  
**Sent:** Friday, March 18, 2011 9:52 AM  
**To:** OPA Resource  
**Subject:** Japan Nuclear Crisis

Gentlemen,

I am a general contractor with a civil engineering degree.

I find it frustrating to watch helicopters indiscriminately dump water over the reactors when most of the water either disperses in the air or is blocked by the remaining building structure. It seems to me that a more precise method is needed to deliver materials into the spent fuel pools.

A large concrete boom pump may be able to do this. For example, the Putzmeister BSF 63Z-Meter has a 200-foot vertical and 190-foot horizontal reach. Pictures of this pump as well as others can be found online. A camera could be mounted to the end of the boom to help the operator precisely position the boom and to provide much needed information as to the pools condition.

After the boom is positioned, a pipe could be connected that would bypass the pump on the boom truck and allow another pump positioned further away from the radiation to deliver water or maybe some type of slurry into the pool.

For what it is worth,

Trey Setterlin

0/237

**From:** Shawn Googins  
**To:** Janbergs, Holly  
**Subject:** RE: Fukushima Calculations  
**Date:** Friday, March 18, 2011 12:04:39 PM

---

Holly,

Ok why is that? When can I/we/the public expect this information?

This is essential information to judge the validity of the estimates and claims that are being made in this situation. I don't believe it is responsible for a public agency like the NRC to make claims with regard to a doses and evacuation decisions and not provide this information to those in the technical community who understand the atmospheric dispersion, the internal dosimetry, etc.

Thank you.

Shawn

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

**Subject:** RE: Fukushima Calculations  
**From:** "Janbergs, Holly" <Holly.Janbergs@nrc.gov>  
**Date:** Fri, March 18, 2011 11:12 am  
**To:** Shawn Googins (b)(6) Ex. 6

Mr. Googins,

We are unable to provide you with the specifics you seek at this time.

Holly

-----  
**From:** Shawn Googins (b)(6) Ex. 6  
**Sent:** Friday, March 18, 2011 10:02 AM  
**To:** Janbergs, Holly  
**Subject:** RE: Fukushima Calculations  
**Importance:** High

Holly,

Thank you I already have these documents. I want to know the model/modeling software used (what is the program they used for the dispersion modeling) and the SOURCE TERM that was used in the calculations. The two documents that I already have DO NOT have the assumptions and the source terms (how many curies, which radionuclides, etc.)

Please pass this along to technical staff at the NRC thanks.

Shawn

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

**Subject:** Re: Fukushima Calculations  
**From:** "Janbergs, Holly" <Holly.Janbergs@nrc.gov>  
**Date:** Fri, March 18, 2011 9:29 am

0/238



To:

(b)(6)

Ex. 6

Mr. Googins,

You can find calculations for the NRC's recommendations regarding the evacuation zone around Fukushima attached to this press release here, available on our public website:

<http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-050.pdf>

The direct link to the calculations is here:

[http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-050\\_Attchmt.pdf](http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-050_Attchmt.pdf)

I hope this answers your questions.

Thank you,  
Bethany

Beth Janbergs  
Public Affairs Assistant  
301-415-8211

**From:** Bonaccorso, Amy  
**To:** (b)(6) Ex 6  
**Subject:** FW: Indian Point #3  
**Date:** Friday, March 18, 2011 12:10:33 PM

---

Hi Mr. Prudden:

Thank you for taking the time to express your thoughts.

We take our licensing process very seriously and each plant goes through environmental and safety reviews when the license renewal application is being considered. The public has an opportunity to comment on this through all stages of the process.

Thank you,

Amy

**From:** James Prudden (b)(6) Ex 6  
**Sent:** Thursday, March 17, 2011 3:50 PM  
**To:** NRC Allegation  
**Subject:** Indian Point #3

**To Whom This May Concern:**

The Nuclear Regulatory Commission has recently reformulated risk estimates and found that Indian Point #3, in Buchanan, NY, carries the single highest risk for earthquake damage in the country.

This relatively old plant is now up for relicensing. One of its many problems is its proximity to major population centers and the impossibility of effecting a timely and orderly evacuation throughout the region. There is at the time of this writing a 50-mile evacuation zone around the afflicted reactors in Japan — can you imagine what it would mean if such a zone were attempted around Indian Point?

There is widespread concern over Indian Point, and it cuts across party lines. It's time to shut Indian Point down.



James Prudden

(b)(6) Ex 6

0/239

**From:** Janbergs, Holly  
**To:** Harrington, Holly  
**Subject:** RE: Fukushima Calculations  
**Date:** Friday, March 18, 2011 12:11:00 PM

---

He wants to know if/when they would be available in the future and if they won't, why not.

**From:** Harrington, Holly  
**Sent:** Friday, March 18, 2011 11:10 AM  
**To:** Janbergs, Holly  
**Subject:** RE: Fukushima Calculations

Quote: We are unable to provide you with the specifics you seek at this time.

**From:** Janbergs, Holly  
**Sent:** Friday, March 18, 2011 10:59 AM  
**To:** Harrington, Holly  
**Subject:** FW: Fukushima Calculations  
**Importance:** High

Is there any information I can give him behind the calculations we attached to the latest press release? Attachments say it was determined by the Protective Measures Team in the Ops Cr, but I don't want to bother them if unnecessary.

**From:** Shawn Googins (b)(6) Ex 6  
**Sent:** Friday, March 18, 2011 10:02 AM  
**To:** Janbergs, Holly  
**Subject:** RE: Fukushima Calculations  
**Importance:** High

Holly,

Thank you I already have these documents. I want to know the model/modeling software used (what is the program they used for the dispersion modeling) and the SOURCE TERM that was used in the calculations. The two documents that I already have DO NOT have the assumptions and the source terms (how many curies, which radionuclides, etc.)

Please pass this along to technical staff at the NRC thanks.

Shawn

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

**Subject:** Re: Fukushima Calculations  
**From:** "Janbergs, Holly" <Holly.Janbergs@nrc.gov>  
**Date:** Fri, March 18, 2011 9:29 am  
**To:** (b)(6) Ex 6

Mr. Googins,

You can find calculations for the NRC's recommendations regarding the evacuation zone around Fukushima attached to this press release here, available on our public website:

<http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-050.pdf>

0/240

The direct link to the calculations is here:

[http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-050\\_Atchmt.pdf](http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-050_Atchmt.pdf)

I hope this answers your questions.

Thank you,  
Bethany

Beth Janbergs  
Public Affairs Assistant  
301-415-8211

**From:** Janberos, Holly  
**To:** (b)(6) Ex. 6  
**Bcc:** ~~Connors, Amy~~; Leavers, Ron  
**Subject:** Certification Question  
**Date:** Friday, March 18, 2011 12:16:00 PM

---

Mr. Yung,

I understand you are interested in learning more about NRC requirements for certification. The following links should provide you with some basic information and help you get started in your query:

<http://www.nrc.gov/materials/transportation/certification.html>

<http://www.nrc.gov/about-nrc/regulatory/licensing.html>

I hope this information is helpful.

Thank you,  
Holly

0/241

**From:** Bonaccorso, Amy  
**To:** (b)(6) Ev. 6  
**Subject:** REPLY: Response from "Contact Us About Employment"  
**Date:** Friday, March 18, 2011 12:40:39 PM

---

Hello Mr. Bobbitt:

Thank you for writing and offering to assist. We understand how upsetting the situation in Japan is for people and greatly appreciate the offers to help, but we are not taking volunteers.

Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.

Thank you,

Amy

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

**From:** David Bryan Bobbitt (b)(6) Ev. 6  
**Sent:** Tuesday, March 15, 2011 7:27 PM  
**To:** OHRComments Resource  
**Subject:** Response from "Contact Us About Employment"

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

David Bryan Bobbitt (b)(6) Ev. 6 on Tuesday, March 15, 2011 at 19:27:02

---

comments: Hello (b)(6)

(b)(6)

(b)(6)

and are interested in seeing if the NRC needs any experienced nuclear workers to go and help in Japan. We would entertain working in the U.S. also if you have a need for an experienced nuclear worker team. Our resume's can be sent immediately after we receive an address to send them to with a contact name and phone number.

organization:

address1: (b)(6)

address2:

city: (b)(6) Ev. 6

state: (b)(6)

zip: (b)(6)

country: (b)(6)

phone: (b)(6)

---

0/242

**From:** Bonaccorso, Amy  
**To:** Janbergs, Holly  
**Cc:** Tobin, Jennifer; Deavers, Ron  
**Subject:** FW: Re: Volunteer Offer  
**Date:** Friday, March 18, 2011 2:09:13 PM

---

Good response!

.....  
**From:** Janbergs, Holly  
**Sent:** Friday, March 18, 2011 2:03 PM  
**To:** (b)(6) RXC  
**Subject:** Re: Volunteer Offer

Mr. Saullo,

I appreciate your willingness to volunteer your services in this time of need for Japan. The absolute selflessness and compassion I am hearing every day from American citizens is one thread of hope in this difficult situation.

While I understand your offer and your efforts are based on the situation in Japan, I'm afraid I can't offer you specific guidance. Unfortunately, we are not accepting volunteers at this time. If you would still like to offer your services, I suggest contacting Red Cross or another relief organization in your area. Every volunteer helps in such a troubling time.

Thank you again,

Holly Janbergs  
Public Affairs Assistant

0/243

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

( ) on Friday, March 18, 2011 at 11:18:14

---

Complaint: To Whom It May Concern:

Re: Japan Reactor issue

I would like to offer my services, to go into the affected area and buildings of the damaged reactors and conduct any work that you would need done, to solve your reactor problems. Perhaps filling water tanks or hooking up electrical services.

I fully understand the danger of this action, being fatal to me. (b)(6)

(b)(6)

Involvement:

Anonymity: no

Interview: yes

Name: Saullo, David, L

Address: (b)(6)

City: (b)(6)

state: (b)(6)

Zip: (b)(6)

Organization:

Home\_phone: (b)(6) ex 60

Work\_phone:

e-mail: (b)(6) ex 60

Complaints: Submit

---

0/244



(b)(6)

ex 60

Involvement:

Anonymity: no

Interview: yes

Name: Saullo, David, L

Address: (b)(6)

City: (b)(6)

state: (b)(6)

Zip: (b)(6)

Organization:

Home\_phone: (b)(6)

ex 60

Work\_phone:

e-mail: (b)(6)

ex 60

Complaints: Submit

---

**From:** Bonaccorso, Amy  
**To:** (b)(6)  
**Subject:** REPLY: Response from "Contact Us About Employment"  
**Date:** Friday, March 18, 2011 1:43:30 PM

---

Dear Ms. Bloom:

We appreciate your willingness to volunteer your services in this time of need for Japan. Unfortunately, we are not accepting volunteers at this time. I suggest that you contact your local Red Cross or other relief organization and offer your services noting your experience. Thank you for your offer.

Amy

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

**From:** Rose Giehl Bloom [mailto:(b)(6)] ex 6  
**Sent:** Tuesday, March 15, 2011 7:12 PM  
**To:** OHRComments Resource  
**Subject:** Response from "Contact Us About Employment"

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

Rose Giehl Bloom (b)(6) ex 6 on Tuesday, March 15, 2011 at 19:11:37

---

comments: Are you (or they) looking for volunteers to work in Japan?  
Rose Giehl Bloom

organization: self

address1: (b)(6)  
address2:  
city: (b)(6) ex 6  
state: (b)(6)  
zip: (b)(6)  
country: (b)(6)  
phone: (b)(6)

---

0/245

**From:** Bonaccorso, Amy  
**To:** (b)(6) ex 6  
**Subject:** RE: Assistance: Japan  
**Date:** Friday, March 18, 2011 1:42:08 PM

---

Hello Mr. Tanaka:

We appreciate your willingness to volunteer your services in this time of need for Japan. Unfortunately, we are not accepting volunteers at this time. I suggest that you contact your local Red Cross or other relief organization and offer your services noting your experience. Thank you for your offer.

Amy

-----Original Message-----  
**From:** George Tanaka (b)(6) ex 6  
**Sent:** Tuesday, March 15, 2011 10:08 PM  
**To:** OHRComments Resource  
**Subject:** Assistance: Japan

To whom it may concern:

My name is George Tanaka currently residing in (b)(6)

I believe the nuclear catastrophe regarding the Fukushima NPP complex needs all assistance AVAILABLE. This correspondence is NOT a job inquiry. It is to let you know that I am available, on volunteer basis, to tackle this crisis.

I speak fluent English/Japanese and am available to assist in anyway possible. Endorsed is my resume for your reference.

Sincerest regards,

George Tanaka

0/246

**From:** slam\_bome  
**To:** Tobin, Jennifer  
**Subject:** RE: Public Question  
**Date:** Friday, March 18, 2011 2:00:17 PM

---

Thank you very much for your time and help with my questions.

Steven Kelly

---

**From:** Jennifer.Tobin@nrc.gov  
**To:** (b)(6)  
**Date:** Fri, 18 Mar 2011 13:47:23 -0400  
**Subject:** RE: Public Question

Dear Mr. Kelly,

Thank you for your phone-call inquiry. You may find the data included in our press release (<http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-050.pdf>) helpful.

If you are looking for some way to be able to measure levels of radiation in the United States, the Environmental Protection Agency has a tool on their website to do so ([www.epa.gov](http://www.epa.gov) search for "radnet"). This EPA has monitoring stations around the U.S. and has built this database to offer up-to-date measures of radiation levels. Unfortunately, the data is displayed in counts per minute which is not a measure of radiation dose but it would be able to show you background levels and fluctuations. I hope that answered your question.

-Jenny

Steve Kelly

(b)(6)

Re: how to track radiation from Japan

Deanna Royer

0/247

**From:** [Bonaccorso, Amy](#)  
**To:** [Tobin, Jennifer](#)  
**Cc:** [Deavers, Ron](#); [Janbergs, Holly](#)  
**Subject:** FW: I really want to know how one spent fuel rod get heat each hour  
**Date:** Friday, March 18, 2011 1:55:50 PM

---

Sounds like a Jenny email....

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 1:53 PM  
**To:** Bonaccorso, Amy  
**Subject:** FW: I really want to know how one spent fuel rod get heat each hour

**From:** Shun Serket [mailto:[\(b\)\(6\)](#)] *ex 6*  
**Sent:** Friday, March 18, 2011 1:00 PM  
**To:** OPA Resource  
**Subject:** I really want to know how one spent fuel rod get heat each hour

My name is Shunsuke Kimura, and I live in [\(b\)\(6\)](#)

I study about nuclear power and architecture of power plant,  
and I am monitoring what occur in Fukushima daiichi power plant.  
and I sadly concluded that power plant cant be recovered and, will start critical again in poor that is storaging a lot  
of spent fuel rod.  
so, i want to know how spent fuel rod get heat each hour.  
and how do you think about spent fuel rod tempreature  
the time fuel rod approached 2800 C is tha last day in japan SERIOUSLY.

You may know Fukushima daiichi power plant is highly dengerous.  
in japan, a lot of people think it go better time to time.  
they didnt experience the case(one thing can easily kill us)

Your answer help a lot of people.

0/248

**From:** Bonaccorso, Amy  
**To:** [(b)(6)] ex 6  
**Subject:** REPLY: Nancy Strauss  
**Date:** Friday, March 18, 2011 2:08:32 PM

---

Hello Ms. Strauss:

I understand that you are concerned about radiation levels in CA. The NRC continues to monitor information regarding wind patterns near Japanese nuclear power plants. Nevertheless, given the distance between Japan and the West Coast – we are not expected to experience any harmful levels of radioactivity. The EPA monitors radiation levels and agrees with this assessment.

You may also want to check with the CA Department of Radiation Safety – click on CA <http://nrc-stp.ornl.gov/asdirectory.html>

You can check our website, [www.nrc.gov](http://www.nrc.gov), for additional information – including press releases and the NRC Blog.

Thank you.

Amy

0/249

**From:** Tobin, Jennifer  
**To:** (b)(6) ex 6  
**Bcc:** gs, Holly; Deavers, Ron  
**Subject:** RE: nuclear power plants  
**Date:** Friday, March 18, 2011 2:16:00 PM

---

Dear Mr. Jackson,  
Thank you for your inquiry. The Japanese did not have windmills offshore from their nuclear plants largely due to the threat of tsunamis which would destroy the windmills and thus they would not have been able to supply electricity for the plants in that emergency situation.

Our hearts go out to the Japanese citizens as well. The NRC has sent a team of technical experts to assist our Japanese counterparts in any way that they request. I hope that this has addressed your concern.

-Jenny

-----Original Message-----  
**From:** Jim Jackson [mailto:(b)(6)] ex 6  
**Sent:** Wednesday, March 16, 2011 7:10 PM  
**To:** OPA Resource  
**Subject:** nuclear power plants

I have been watching the news and I am just concerned. As I watch I wonder why they cannot have wind mills off site of a nuclear plant that could power the generators in case of emergencies like this. Not the whole plant but to assist the generators to pump water to cool the reactors until the plant has power again. They lay miles and miles of pipeline what is wrong with ability to run power from windmills to these plants.

Just a concerned citizen.

My prayers go out to all the people caught up in disaster.

0/250

**From:** Janbergs, Holly  
**To:** Bonaccorso, Amy; Tobin, Jennifer  
**Cc:** Deavers, Ron  
**Subject:** RE: Response from "Contact the NRC Web Site Staff"  
**Date:** Friday, March 18, 2011 2:27:33 PM

---

I like it, too!

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

**From:** Bonaccorso, Amy  
**Sent:** Friday, March 18, 2011 2:22 PM  
**To:** Tobin, Jennifer  
**Cc:** Deavers, Ron; Janbergs, Holly  
**Subject:** FW: Response from "Contact the NRC Web Site Staff"

Good response!

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

**From:** Tobin, Jennifer  
**Sent:** Friday, March 18, 2011 2:20 PM  
**To:** (b)(6) ex b  
**Subject:** RE: Response from "Contact the NRC Web Site Staff"

Dear Mr. Fuller,

Thank you for your comments. At this time we are not taking suggestions. The Japanese government has requested U.S. assistance on certain matters and we are acting upon those requests. Ultimately, it is the Japanese government that must make the decision about how they will respond to this emergency situation.

-Jenny

--Original Message----- (b)(6) ex b  
**From:** paul fuller [mailto:(b)(6)]  
**Sent:** Wednesday, March 16, 2011 1:55 PM  
**To:** NRCWEB Resource  
**Subject:** Response from "Contact the NRC Web Site Staff"

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

paul fuller (b)(6) ex b on Wednesday, March 16, 2011 at 13:54:44

---

comments: just what if one were to place nuc.war heads around the site in japan and timed the detonation just right,could that possibly incinerate most or all of the radio active fuel on the site, without expelling a lot of r/a into the atmospher? just thinking out loud.

organization: jus trying to help

address1: (b)(6)  
address2: n/a  
city: (b)(6)  
state: (b)(6)  
zip: (b)(6) ex b

0/251



**From:** [Bonaccorso, Amy](#)  
**To:** [Tobin, Jennifer](#)  
**Subject:** FW: Status of nuclear power reactors  
**Date:** Friday, March 18, 2011 10:32:34 AM

---

Jenny:

I thought you might be able to handle this one.

Thanks,

Amy

**From:** Couret, Ivonne  
**Sent:** Thursday, March 17, 2011 7:31 PM  
**To:** Bonaccorso, Amy  
**Subject:** FW: Status of nuclear power reactors

**Ivonne L. Couret**  
Public Affairs Officer  
Office of Public Affairs  
Media Desk  
[opa.resource@nrc.gov](mailto:opa.resource@nrc.gov)  
301-415-8200

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

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

**From:** James Knight [mailto:[\(b\)\(6\)](#)] *exp*  
**Sent:** Wednesday, March 16, 2011 8:11 PM  
**To:** OPA Resource  
**Subject:** Status of nuclear power reactors

To whom it may concern:

I have a question I hope you can answer.

I was wondering where I could find information telling why the reactors listed in the reactor status page are either shut down, or not operating at 100%?

It has sparked my interest once again in light of the events in Japan.

Thank you for your time.

James Knight [\(b\)\(6\)](#)

*o/asa*

**From:** [Harrington, Holly](#)  
**To:** [Deavers, Ron](#); [LIA02 Hoc](#)  
**Cc:** [Bonaccorso, Amy](#); [Ridge, Christianne](#); [Tobin, Jennifer](#); [LIA03 Hoc](#)  
**Subject:** RE: question about Japanese accident  
**Date:** Friday, March 18, 2011 10:38:24 AM

---

Previously sent to OIP

**From:** Deavers, Ron  
**Sent:** Thursday, March 17, 2011 6:39 PM  
**To:** LIA02 Hoc  
**Cc:** Bonaccorso, Amy; Ridge, Christianne; Tobin, Jennifer; Harrington, Holly; LIA03 Hoc  
**Subject:** RE: question about Japanese accident

Forwarding ...

**From:** Tobin, Jennifer  
**Sent:** Thursday, March 17, 2011 5:37 PM  
**To:** Deavers, Ron; Harrington, Holly  
**Cc:** Bonaccorso, Amy; Ridge, Christianne  
**Subject:** RE: question about Japanese accident

This should go to the international liaison desk at the Operation Center. Email to lia02 or lia03 (look up in outlook mailbox). There are determinations being made about which countries we're sharing what type of info with.

Thanks!  
-Jenny

**From:** Deavers, Ron  
**Sent:** Thursday, March 17, 2011 5:34 PM  
**To:** Harrington, Holly  
**Cc:** Bonaccorso, Amy; Ridge, Christianne; Tobin, Jennifer  
**Subject:** FW: question about Japanese accident

Holly,

I don't know what to do with this one

**From:** OPA Resource  
**Sent:** Thursday, March 17, 2011 5:08 PM  
**To:** Deavers, Ron; Bonaccorso, Amy  
**Subject:** FW: question about Japanese accident

**From:** Abdullahi, Zena  
**Sent:** Wednesday, March 16, 2011 9:17 PM  
**To:** OPA Resource  
**Subject:** RE: question about Japanese accident

Hi

0/253

I received the following question from a foreign nuclear professional. I do not know the person but he had sent me an e-mail asking some technical questions before.

In regards to the Japan nuclear crisis, we received an operational center bulletin, instructing all NRC employees to contact the NRC Operations Officer at 301-816-5100 immediately. I did contact the Op Center when they are most busy.

Can someone please respond?

Thank you

**From:** ahmed hamdy [mailto:(b)(6)] *ex6*  
**Sent:** Wednesday, March 16, 2011 7:50 PM  
**To:** Abdullahi, Zena  
**Subject:** question about Japanese accident

Dear Sir,

Let me remind you with myself. I am a (b)(6) and sent you questions before but I (am afraid you have forgot or these questions may be confidential (I don't think that

:Now, if you let me ask about Japanese accident that make me puzzled

(Probability of loss of offsite power) X (probability of loss of onsite power) X (LOCA) = By Logic, should be much lower than the unavailability of the system. Do you agree with me?

I strongly appreciate your response my Q and the last Questions also if your time permit.

regardless of your position also.

Best regards

**Ahmed Hamdy Esmail Abo-Egila**  
*Senior Engineer*  
*R&D Division*  
*Nuclear Power Plants Authority, Egypt*  
*002-0108187845*

--- On Tue, 1/18/11, Abdullahi, Zena <Zena.Abdullahi@nrc.gov> wrote:

**From:** Bonaccorso, Amy  
**To:** Tobin, Jennifer  
**Cc:** Janbergs, Holly; Deavers, Ron  
**Subject:** FW: Japanese Nuclear Catastrophe-Use of mobile generators  
**Date:** Friday, March 18, 2011 2:32:06 PM

---

I like this line:

The license (and renewal) process are open to the public and I encourage you to get involved. I hope that I have addressed your concerns.

**From:** Tobin, Jennifer  
**Sent:** Friday, March 18, 2011 2:30 PM  
**To:** (b)(6) ex 6  
**Subject:** RE: Japanese Nuclear Catastrophe-Use of mobile generators

Dear Mr. Lacey,

Thank you for expressing your concern. The Japanese are now using mobile generators at the Fukushima plant. It has taken a certain amount of time for the Japanese government to request assistance in obtaining and installing the mobile units.

The matters that you raised regarding the U.S. plants are issues that are considered during the review of the license application (and renewal, as applicable) as well as an environmental assessment. On occasion, the NRC has required certain back-fits as situations change and new concerns arise.

The license (and renewal) process are open to the public and I encourage you to get involved. I hope that I have addressed your concerns.

-Jenny

**From:** Joseph L. [mailto:(b)(6)] ex 6  
**Sent:** Thursday, March 17, 2011 1:07 PM  
**To:** OPA1 RESOURCE  
**Subject:** Japanese Nuclear Catastrophe-Use of mobile generators

Dear Scott Burnell, David McIntyre, Ivonne Couret:

Concerning the ongoing Nuclear Catastrophe in Japan, why have they not use mobile generators.

These are the size of a tractor trailer, produce megawatts of electricity and should be able to power the pumps. I am surprised that the pumps can not be operated until they connect power from the grid.

It is appalling that Nuclear facilities are required to have only 4 to 8 hours back up electric to keep pumps and equipment operating. See [http://www.ucsusa.org/nuclear\\_power/nuclear\\_power\\_risk/safety/senate-briefing-on-japan-nuclear-crisis.html](http://www.ucsusa.org/nuclear_power/nuclear_power_risk/safety/senate-briefing-on-japan-nuclear-crisis.html) - Link to Union of Concerned Scientists. STATEMENT OF DR. EDWIN LYMAN, SENIOR SCIENTIST, GLOBAL SECURITY PROGRAM - See statement 2. it says ".....The NRC requires U.S. plants to have the capability to cope

D/254

with a station blackout for no more than four to eight hours. We need to re-evaluate the adequacy of these requirements and the effectiveness of their implementation."

The back up generators on site should be on the roof or otherwise high enough so they will be above flood waters. Also Nuclear reactor and fuel storage sites should have water reservoirs that are at a higher elevation so that gravity can carry water to reactor. These should have flexible back up pipes and hoses that can be used if main pipes are damaged.

This catastrophe shows us that all nuclear reactors and power stations are just an electric power failure away from disaster. A strong coronial mass ejection from the sun has in the past knocked out electric grids. Such events can occurred to knock electric supply to nuclear power and cause the same catastrophe that Japans' nuclear facilities are experiencing any where and many times over. The US has advised Americans in Japan to stay 50 miles from the nuclear catastrophe. Yet in the US there is only a 10 mile zone for nuclear emergencies. Here in New York State is the Indian Point Nuclear Power facility which sits atop the Ramapo fault line. New York City, Manhattan, is 30 miles away, Outer Boroughs Queens and Brooklyn 33 miles. There are millions of people in between. The Human cost is unacceptable. The economic cost would devastate the US economy. This is just one of many nuclear facilities in the US that poses grave danger.

When you consider the entire process of nuclear power generation, from mining and processing fuel to the storage of spent fuel which must be kept cool, it is not economically nor environmentally practical. However, the reality of Nuclear Catastrophes make nuclear power an unacceptable source of energy. Nuclear power plants must not be built and exiting one must be decommissioned and the nuclear material must be removed from populated areas. Sincerely Joseph Lacey

**From:** Tobin, Jennifer  
**To:** (b)(6) ex 6  
**Bcc:** ~~www.nera.com~~ bly; Bonaccorso, Amy  
**Subject:** RE: I really want to know how one spent fuel rod get heat each hour  
**Date:** Friday, March 18, 2011 2:35:00 PM

---

Dear Mr. Kimura,

Thank you for your inquiry. Our hearts go out to your countrymen. The NRC is assisting as requested by your government. One of the big concerns, as you note, is the increased heat levels in the spent fuel pools. I know that there are many methods underway to try to cool them down. Unfortunately, I do not have specific temperatures that I can give you since we are not aware of that information. I understand that our regulatory counterpart (NISA) in Japan is doing everything in their power to contain the damage at the Fukushima plant. I hope that I have been somewhat helpful.

-Jenny

**From:** Shun Serket [mailto:(b)(6)] ex 6  
**Sent:** Friday, March 18, 2011 1:00 PM  
**To:** OPA Resource  
**Subject:** I really want to know how one spent fuel rod get heat each hour

My name is Shunsuke Kimura, and I live in (b)(6)

I study about nuclear power and architecture of power plant,  
and I am monitoring what occur in Fukushima daiichi power plant.  
and I sadly concluded that power plant cant be recovered and, will start critical again in poor that is storing a lot of spent fuel rod.

so, i want to know how spent fuel rod get heat each hour.  
and how do you think about spent fuel rod temperture  
the time fuel rod approached 2800 C is tha last day in japan SERIOUSLY.

You may know Fukushima daiichi power plant is highly dengerous.  
in japan, a lot of people think it go better time to time.  
they didnt experience the case(one thing can easily kill us)

Your answer help a lot of people.

0/255

**From:** [Bonaccorso, Amy](#)  
**To:** [Tobin, Jennifer](#)  
**Subject:** FW: Reactors in USA  
**Date:** Friday, March 18, 2011 2:43:21 PM

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Technical...

**From:** Janbergs, Holly **On Behalf Of** OPA Resource  
**Sent:** Friday, March 18, 2011 2:42 PM  
**To:** Bonaccorso, Amy  
**Subject:** FW: Reactors in USA

**From:** Albert Redditt [mailto:[\(b\)\(6\)](#)] **ex6**  
**Sent:** Friday, March 18, 2011  
**To:** OPA Resource  
**Subject:** Reactors in USA

Hello;

After looking at the news photos and clips of the Japanese Reactors.

It seems the weakness in the design was the plumbing that broke loose in the reactors. (no plumbing no water!!)

In the U.S., I think the reactors, if not already doing so should replace the reactor plumbing with flexible plumbing.. (this might require some high level engineering.)

Triple redundancy static plumbing is probably not going to work in anything over a 7-8 richter.. I think California has the potential for a greater than 7 quake..

[\(b\)\(6\)](#) **x6**

0/256

**From:** Bonaccorso, Amy  
**To:** (b)(6) ex 6  
**Subject:** REPLY: Response from Contact Us about Public Meetings on Nuclear Security and Safeguards;  
**Date:** Friday, March 18, 2011 2:47:36 PM

---

Hello:

Thank you for your email. The NRC continues to monitor information regarding wind patterns near the Japanese nuclear power plants. Given the distance between Japan and the U.S. - we are not expected to experience any harmful levels radioactivity.

You can get updates at [www.nrc.gov](http://www.nrc.gov) - we have press releases and the NRC Blog.

A further resource is the CA Department of Radiation Safety - click on CA <http://nrc-stp.ornl.gov/asdirectory.html>

Thank you,

Amy

-----Original Message-----  
**From:** (b)(6) ex 6  
**Sent:** Friday, March 18, 2011 1:31 PM  
**To:** NSIR\_WebServices Resource  
**Subject:** Response from "Contact Us about Public Meetings on Nuclear Security and Safeguards;

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

(b)(6) ex 6  
on Friday, March 18, 2011 at 13:30:52

---

comments: Is safe Southern part of US? I live in (b)(6) I'm quite worrying about that.

name: Jeehee Yune

organization: .

address1: .

address2: .

city: (b)(6)

state: ---

zip:

country: (b)(6)

phone: (b)(6)

---

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**From:** Deavers, Ron  
**To:** Tobin, Jennifer  
**Subject:** RE: Summary of IAEA press briefing 3-18-11  
**Date:** Friday, March 18, 2011 2:47:37 PM

---

Thanks, Jenny. Very helpful

**From:** [Bonaccorso, Amy](#)  
**To:** [Tobin, Jennifer](#)  
**Subject:** FW: Call  
**Date:** Friday, March 18, 2011 3:45:19 PM

---

Sounds technical...

**From:** Shannon, Valerie  
**Sent:** Friday, March 18, 2011 3:41 PM  
**To:** Bonaccorso, Amy  
**Subject:** Call

Name: John Robbart

From: (b)(6)  
Phone: (b)(6)  
E-mail: (b)(6) ] ex6  
Re: Fuel Rods

0/258

## Shannon, Valerie

---

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 12:57 PM  
**To:** 'William Dingee III'  
**Subject:** RE: Spent Fuel Pools

We appreciate the suggestions of folks with ideas to resolve the situation in Japan. Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.

Thank You

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

**From:** William Dingee III (b)(6)  
**Sent:** Friday, March 18, 2011 11:40 AM  
**To:** OPA Resource  
**Subject:** Spent Fuel Pools

I have spent years, in the Commonwealth Edison nuclear plants, cleaning the reactor nozzles and piping with high pressure water. We have also been inside, cleaning the torus, centipede pipe, and rams horns at the Quad Cities Nuclear Plant. I Have a suggestion, or a question, really, about the spent fuel pools. I have seen them, and witnessed a refueling at Dresden Nuclear Plant, and at the Quad Cited plant, and know the vulnerability of these areas, as well as the long term need for power, and cooling water, etc. My question is this: As a last ditch effort, since the water in the spent fuel pools and the water in the reactor are one and the same, when refueling is taking place, you couldn't do this to the spent fuel pool without risking reactor damage. I'm talking about Fukushima Daiichi type last ditch efforts. What if a slurry of either Boron 10B, or Cadmium, although Cadmium is a carcinogen, where Boron is not, were introduced into the pools. I know that Cadmium, and Boron 10B are used in the control rods. I have seen a spent fuel pool, but haven't seen a spent control rod pool, so I don't know how long the absorbing properties last, but I think it might be feasible to introduce this into the pools in Japan right now, as the boron would possibly get in between the rods, acting like a control rod, and if you could cover the rods, it may give personnel some time to get into the area and work on fixing the other problems. I am really writing to see if this was an idea that is too simple to be true, or if I'm missing something else. The slurry could be pumped, in the situation in Japan, with those concrete pumping trucks that are used to pour concrete on bridges, etc, and although the water may steam off at first, Boron has a melting point of over 2500 degrees, so it may stay in place a little longer, with the reaction slowing due to the radiation being absorbed, the temp should cool down some. This, I think, would be especially good to do in reactor 3, where there seems to be a leak in the pool. If you could get a sludge of this pumped in, it may not leak out as fast, and the reaction would still be slowed down enough to allow other things to be addressed by the small crew, as they wouldn't need to constantly replenish the water in the pool. Just some ideas, and I am really curious as to if they would be achievable.

Thank You for Your Time,  
William A Dingee III

6/25/10

**Deavers, Ron**

**From:** Deavers, Ron  
**Sent:** Friday, March 18, 2011 2:59 PM  
**To:** (b)(6)  
**Subject:** RE: Urgent idea to cool Japanese reactor

We appreciate the suggestions of folks with idea to resolve the situation in Japan. Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.

**From:** Bonaccorso, Amy  
**Sent:** Friday, March 18, 2011 2:44 PM  
**To:** Deavers, Ron  
**Subject:** FW: Urgent idea to cool Japanese reactor

**From:** (b)(6)  
**Sent:** Friday, March 18, 2011 10:42 AM  
**To:** NRC Allegation, [contactus@nert-usa.org](mailto:contactus@nert-usa.org); [ct04jhima@mail.house.gov](mailto:ct04jhima@mail.house.gov); [d.maillard@iaea.org](mailto:d.maillard@iaea.org); [d.santillo@exeter.ac.uk](mailto:d.santillo@exeter.ac.uk); [diamond@bnl.gov](mailto:diamond@bnl.gov); [econ-inquiry@ny.mofa.go.jp](mailto:econ-inquiry@ny.mofa.go.jp); [greenpeace.usa@wdc.greenpeace.org](mailto:greenpeace.usa@wdc.greenpeace.org); [hq-publicaffairs@usace.army.mil](mailto:hq-publicaffairs@usace.army.mil); [i.labunska@exeter.ac.uk](mailto:i.labunska@exeter.ac.uk); [jaeany@un.org](mailto:jaeany@un.org); [info@jrc.or.jp](mailto:info@jrc.or.jp); [jim.himes@congressnewsletter.net](mailto:jim.himes@congressnewsletter.net); [jimriccio@greenpeace.org](mailto:jimriccio@greenpeace.org); [k.m.brigden@exeter.ac.uk](mailto:k.m.brigden@exeter.ac.uk); [official.mail@iaea.org](mailto:official.mail@iaea.org); OPA1 RESOURCE; [outreach@ans.org](mailto:outreach@ans.org); [p.johnston@exeter.ac.uk](mailto:p.johnston@exeter.ac.uk); [rboothey@csu.edu.au](mailto:rboothey@csu.edu.au); [sci\\_info@ictp.trieste.it](mailto:sci_info@ictp.trieste.it); [support.au@greenpeace.org](mailto:support.au@greenpeace.org); [supporter.services.int@greenpeace.org](mailto:supporter.services.int@greenpeace.org); [the.secretary@hq.doe.gov](mailto:the.secretary@hq.doe.gov); [tips@treehugger.com](mailto:tips@treehugger.com); "[diamond](mailto:<diamond>@bnl.gov)"@bnl.gov; "[info](mailto:<info>@jrc.or.jp)"@jrc.or.jp  
**Subject:** Fwd: Urgent idea to cool Japanese reactor

6

material could be flown in on C-130 tanker plane

I have attached an article about a firefighting gel I thought it might be useful because it mixes with water and if you make a thick enough gel you could fill the reactor containment vessel and if there are any leaks it would be less likely to run out as quickly as water or maybe even help plug the leaks you could also mix it with boron. A possible working procedure would be to fill the containment vessel let the gel absorb as much heat as is deemed safe and then flush out the gel and fill it up with the gel again. hopefully the gel would absorb the heat and remove it when its flushed out. This way instead of constantly having to flush water through the reactor they could start a system of filling and flushing they could fill all the reactor vessels wait for them to absorb the heat and then flush and refill this way all the reactors could be taken care of plus you have the advantage of fire supression at the same time thus making it safer for the workers and as you can see from the article it could also be spread over the cooling ponds and it should have the effect of not only suppressing the fire but also cooling the fuel rods please call me or write me to let me know if you got this message or if you have any questions for me or if I can be of any further assistance

Donald Duffy (b)(6)

(b)(6)  
the company is Barricade [www.firegelgel.com](http://www.firegelgel.com) -1-800 201-3937

HERE IS A PROCEDURE I CAME UP WITH

There is a company that make a water soluble fire retardant gel called barricade this could be mixed with water and boron then what you do is fill up the cooling ponds with this product because its a gel its less likely to run out very quickly if there's a leak now they are kept cool plus you have the added benefit of fire suppression then you hose down everything in the reactor buildings the gel boron mix should help bring the radiation down and it clings to everything. Then you fill the containment vessels with the gel and then allow a certain amount of time to go by to allow the gel boron mixture to absorb heat and neutrons now we go to a flush refill mode remember this is water soluble so

0/260

you flush the containment vessels with water removing heat and neutrons and refill it with more gel lather rinse repeat I think that has just as good a shot as any thing they are trying I also thought you could hose down the contamination suits of the workers with the gel and that should help to absorb the neutrons and protect the workers it could be washed off and reapplied taking the contamination with it at regular intervals I think this is a well thought out plan let me tell you it's very discouraging when you bring an idea like this to Greenpeace and they literally laugh in your face take that Jim Riccio seriously I hope someone sees this and at least gives it a chance I have been working hard over the last two days trying to get someone to hear me out

article about firefighting gel

<file:///D:/snc/firefighting%20foam/Gel%20Inspired%20By%20Diapers%20May%20Be%20Firefighting%20Tool.htm>

## Deavers, Ron

---

**From:** Deavers, Ron  
**Sent:** Friday, March 18, 2011 3:03 PM  
**To:** (b)(6)  
**Subject:** RE: Japan Nuclear Disaster - Starting pumps at this time seems like recipe for disaster... bury it... see my last DREDGES e-mail

We appreciate the suggestions of folks with idea to resolve the situation in Japan. Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.

**From:** Scott Holland (b)(6)  
**Sent:** Friday, March 18, 2011 2:27 PM  
**To:** OPA Resource  
**Subject:** Japan Nuclear Disaster - Starting pumps at this time seems like recipe for disaster... bury it... see my last DREDGES e-mail  
**Importance:** High

Hi,

Another concern is if they get power back with the 1km "extension cord," in my wildest dreams I could not imagine risking turning it on in that damaged area. Why?

1. Risk of fire from exposing wiring, etc.
2. Risk of water going where it should not, causing a superheated explosion[s] in unpredictable places, with the outcome almost certainly worse than it is now.
3. Chances of it working in the damaged facility "well enough" to actually work, assuming 1 or 2 above don't come into play (my money is on 1 or 2)... are remote.

Bury that thing with every bulldozer, truck, crane, and steam shovel to build a berm around the facility, then fill inside and bury the facility DREDGES, helicopters, and anything else that can safely get close enough to fill inside the berm.

Sincerely,

Scott W. Holland

(b)(6)

**Deavers, Ron**

---

**From:** Deavers, Ron  
**Sent:** Friday, March 18, 2011 3:27 PM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** RE: Radiation Question

Called, used Answer 1,3, 4

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

From: (b)(6)  
Sent: Friday, March 18, 2011 2:07 PM  
To: OPA Resource  
Subject: Radiation Question

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

(b)(6) on Friday, March 18, 2011 at 14:06:49

---

comments: how long does radiation fallout last from a nuclear meltdown?

As for the situation in Japan, I live in (b)(6) and am wondering how long I should be taking a supplement after if and when a major meltdown occurs? I'm looking at Kelp supplement with bannana's for potatium (sp?)

contactName: Marsha

phone: (b)(6)

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0/262

**Shannon, Valerie**

---

**From:** Shannon, Valerie  
**Sent:** Friday, March 18, 2011 3:28 PM  
**To:** Bonaccorso, Amy  
**Subject:** Call

Name: Gary

From: (b)(6)

Phone: (b)(6) *FG*

E-mail: (b)(6) *Ex6*

Re: (b)(6) this week and he has concerns

Val

*0/263*



**Medina, Veronika**

---

**From:** Couret, Ivonne  
**Sent:** Friday, March 18, 2011 4:06 PM  
**To:** Medina, Veronika  
**Subject:** FW: Media - Question

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs  
Media Desk  
[opa.resource@nrc.gov](mailto:opa.resource@nrc.gov)  
301-415-8200

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

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

---

**From:** Royer, Deanna  
**Sent:** Friday, March 18, 2011 2:40 PM  
**To:** Couret, Ivonne  
**Subject:** FW: Media - Question

She called back to add cell phone

---

**From:** Royer, Deanna  
**Sent:** Friday, March 18, 2011 1:12 PM  
**To:** Couret, Ivonne  
**Subject:** Media - Question

Wendy Coch  
USA Today  
703-854-3648  
(b)(6) cell } ex U  
[wkoch@usatoday.com](mailto:wkoch@usatoday.com)  
Re: USC report..what is NRC's response

0/264

**Shannon, Valerie**

---

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 4:12 PM  
**To:** 'Ivonne Couret'  
**Subject:** FW: RSVP: NRC public briefing

**From:** Regina Bediako [<mailto:bediako@nhkdc.com>]  
**Sent:** Friday, March 18, 2011 4:08 PM  
**To:** OPA Resource  
**Subject:** RSVP: NRC public briefing

Hello,

NHK Japan Broadcasting would like to register for next Monday's NRC public meeting on the situation in Japan. If you could register Reiko Sakurai and Regina Bediako on our behalf, we would greatly appreciate it.

Thanks,  
Regina

---

Regina Bediako  
NHK (Japan Broadcasting Corporation)  
2030 M St NW, Suite 706  
Washington, D.C. 20036  
Office: (202) 828-5180, ext. 111 (Cell: (b)(6) Ex 6

0/265

**Deavers, Ron**

---

**From:** Deavers, Ron  
**Sent:** Friday, March 18, 2011 5:33 PM  
**To:** Jeff Counts  
**Subject:** RE: Response from "Contact the NRC Web Site Staff"

As the NRC has said, we do not expect to see radiation at harmful levels reaching the U.S. from damaged Japanese nuclear power plants. As part of the federal government's continuing effort to make our activities and science transparent and available to the public, the Environmental Protection Agency will continue to keep all RadNet data available in the current online database. This database is the result of continuous environmental radiation monitoring and you can access the system by going to <http://cdx.epa.gov> and registering for RadNet which allow you to view the results of monitoring on a regular basis.

b **From:** Jeff Counts (b)(6)  
**Sent:** Friday, March 18, 2011 5:01 PM  
**To:** Deavers, Ron  
**Subject:** Re: Response from "Contact the NRC Web Site Staff"

That seems like a pretty generic response, is that all you got?  
~Can you send me a link to where I can personally watch the wind patterns, thanks. jeff

On Thu, Mar 17, 2011 at 3:34 PM, Deavers, Ron <[Ron.Deavers@nrc.gov](mailto:Ron.Deavers@nrc.gov)> wrote:  
The NRC continues to monitor information regarding wind patterns near the Japanese nuclear power plants. Nevertheless, given the distance between Japan and Hawaii, Alaska, the U.S. Territories, and the U.S. West Coast we are not expected to experience any harmful levels of radioactivity.

You can check our web site at [www.nrc.gov](http://www.nrc.gov) for press releases and updated information.

-----Original Message-----  
**From:** OPA Resource  
**Sent:** Thursday, March 17, 2011 5:35 PM  
**To:** Deavers, Ron; Bonaccorso, Amy  
**Subject:** FW: Response from "Contact the NRC Web Site Staff"

-----Original Message-----  
**From:** NRCWEB Resource  
**Sent:** Wednesday, March 16, 2011 11:16 AM  
**To:** OPA Resource  
**Subject:** FW: Response from "Contact the NRC Web Site Staff"

-----Original Message-----  
**From:** (b)(6) 6  
**Sent:** Wednesday, March 16, 2011 11:01 AM  
**To:** NRCWEB Resource  
**Subject:** Response from "Contact the NRC Web Site Staff"

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## Deavers, Ron

---

**From:** Deavers, Ron  
**Sent:** Friday, March 18, 2011 5:52 PM  
**To:** (b)(6) 6  
**Subject:** Per our conversation this afternoon about radiation effects from Japan

Karen,

As the NRC has said, we do not expect to see radiation at harmful levels reaching the U.S. from damaged Japanese nuclear power plants. The NRC continues to monitor information regarding wind patterns near the Japanese nuclear power plants. Given the distance between Japan and the U.S. - we are not expected to experience any harmful levels radioactivity in the United States West Coast (including Alaska, Hawaii and the U.S. Territories). The NRC has sent a technical team to Japan to assist in any way that the Japanese government requests.

As part of the federal government's continuing effort to make our activities and science transparent and available to the public, the Environmental Protection Agency will continue to keep all RadNet data available in the current online database. This database is the result of continuous environmental radiation monitoring and you can access the system by going to <http://cdx.epa.gov> and registering for RadNet which will allow you to view the results of monitoring on a regular basis. The best source for information on radiation monitoring is the Environmental Protection Agency.

The EPA has a list of Frequently Asked Questions here:  
<http://www.epa.gov/radiation/japan-faqs.htm>

In addition, we suggest that you check our web site [www.nrc.gov](http://www.nrc.gov) often for press releases and a special broadcast on March 21, 2011 of a live meeting in which NRC staff will report to the Commission on our response to the nuclear situation in Japan. You can register to get some press releases via email when they are issued: <http://www.nrc.gov/public-involve/listserver.html>

At this time, the NRC does not believe protective measures are necessary in the U.S. In the event circumstances change, U.S. residents should listen to the protective action decision of their states and counties. The NRC will provide technical assistance to the states should they request it.

A further resource is the CA Department of Radiation Safety – click on CA <http://nrc-stp.ornl.gov/asdirectory.htm>

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**Shannon, Valerie**

---

**From:** Shannon, Valerie  
**Sent:** Friday, March 18, 2011 12:09 PM  
**To:** Bonaccorso, Amy  
**Subject:** Call

Name: Steve Jambourian  
From: (b)(6)  
Phone: (b)(6) Ex6  
E-mail: [Steve@mohavecleaning.com](mailto:Steve@mohavecleaning.com)  
Re: Is going to (b)(6) on Sunday and has concerns

Val

0/268

**Shannon, Valerie**

---

**From:** Shannon, Valerie  
**Sent:** Friday, March 18, 2011 8:21 AM  
**To:** Bonaccorso, Amy  
**Subject:** Public Call

Name: Mei Tamo  
From: (b)(6)  
Phone: (b)(6) Ex 6  
Re: Radiation Levels

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**Shannon, Valerie**

---

**From:** Shannon, Valerie  
**Sent:** Friday, March 18, 2011 3:51 PM  
**To:** Bonaccorso, Amy  
**Subject:** Call

Name: William Stone

Phone: (b)(6) ~~EXG~~

Re: He is willing to help out in Japan, used to work on GE reactors

Val

0/270

**Shannon, Valerie**

---

**From:** OPA Resource  
**Sent:** Friday, March 18, 2011 1:37 PM  
**To:** Bonaccorso, Amy  
**Subject:** FW: Volunteer for Japan crisis

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

From: Fleming, Kreslyon On Behalf Of OHRComments Resource  
Sent: Friday, March 18, 2011 12:27 PM  
To: OPA Resource  
Subject: FW: Volunteer for Japan crisis

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

From: Eric Halsne (b)(6) ) Ex6  
Sent: Thursday, March 17, 2011 1:03 PM  
To: OHRComments Resource  
Subject: Response from "Contact Us About Employment"

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

Eric Halsne (b)(6) ) Ex6 on Thursday, March 17, 2011 at 13:02:42  
-----

comments: (b)(6)

(b)(6) am inquiring as to whether NRC is gathering a list of volunteers to assist in resolving and remediating the Japan nuclear crisis. If so, you may place me on that list.  
Thank you.

organization:

address1: (b)(6)

address2:

city: (b)(6)

state: (b)(6)

zip: (b)(6)

country: (b)(6)

phone: (b)(6) ~~XXXX~~

-----

0/271



**Deavers, Ron**

---

**From:** Ridge, Christianne  
**Sent:** Saturday, March 19, 2011 3:02 PM  
**To:** Deavers, Ron; Bonaccorso, Amy  
**Subject:** RESPONSE FW: Response from "Contact the NRC Web Site Staff"

Replied with suggestion to call CDC regarding close contact with contaminated person. Also with CBP info that, in general, travelers that have been exposed are not a risk to other persons.

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

From: OPA Resource  
Sent: Saturday, March 19, 2011 9:51 AM  
To: Ridge, Christianne  
Subject: FW: Response from "Contact the NRC Web Site Staff"

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs  
Media Desk  
[opa\\_resource@nrc.gov](mailto:opa_resource@nrc.gov)  
301-415-8200

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

From: NRCWEB Resource  
Sent: Friday, March 18, 2011 11:00 PM  
To: OPA Resource  
Subject: FW: Response from "Contact the NRC Web Site Staff"

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

From: (b)(6)  
Sent: Friday, March 18, 2011 10:17 PM  
To: NRCWEB Resource  
Subject: Response from "Contact the NRC Web Site Staff"

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

(b)(6) on Friday, March 18, 2011 at 22:16:37

comments: if a person is internally contaminated by radiation from the japanese nuclear plant. can he in turn contaminate other people by close contact?

0/272

**Deavers, Ron**

---

**From:** Ridge, Christianne  
**Sent:** Saturday, March 19, 2011 5:06 PM  
**To:** Deavers, Ron; Bonaccorso, Amy  
**Subject:** RESPONSE to FW: Response from "Contact the NRC Web Site Staff"

Supplied conversion requested and provided link to website <http://www.nrc.gov/about-nrc/radiation/around-us/doses-daily-lives.html>

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

**From:** OPA Resource  
**Sent:** Saturday, March 19, 2011 9:48 AM  
**To:** Ridge, Christianne  
**Subject:** FW: Response from "Contact the NRC Web Site Staff"

Ivonne L. Couret  
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-----Original Message-----

**From:** NRCWEB Resource  
**Sent:** Friday, March 18, 2011 8:07 PM  
**To:** OPA Resource  
**Subject:** FW: Response from "Contact the NRC Web Site Staff"

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

**From:** (b)(6)  
**Sent:** Friday, March 18, 2011 7:47 PM  
**To:** NRCWEB Resource  
**Subject:** Response from "Contact the NRC Web Site Staff"

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

Robert Tiffany (b)(6) Friday, March 18, 2011 at 19:47:24

0/273

comments: so what does 81 nGy/h equal in REM when exposed 24 hours per day. Even though we are inside, no Japanese house is air tight by any stretch of the imagination. We also have to have heaters on which take in outside air.

Thanks again  
Robert

organization:

address1:

address2:

city:

state: ---

zip:

country:

phone:

---

## Deavers, Ron

---

**From:** Ridge, Christianne  
**Sent:** Saturday, March 19, 2011 12:50 PM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** reply -- FW: Citizen Info  
**Attachments:** image001.jpg

Individual was concerned about news reports that "radioactive cloud" reached California. I replied with response #1 and indicated EPA is increasing its monitoring. Individual (as several others have) wanted to know more precisely where the cloud is. We are not supplying that information but just reiterate that we do not expect harmful levels.

**From:** Akstulewicz, Brenda  
**Sent:** Saturday, March 19, 2011 12:35 PM  
**To:** Ridge, Christianne  
**Subject:** Citizen Info

Wayne Miller  
(b)(6)

Wants info on radiation hitting california

**Brenda Akstulewicz**  
Administrative Assistant  
Office of Public Affairs  
301-415-8209  
[brenda.akstulewicz@nrc.gov](mailto:brenda.akstulewicz@nrc.gov)



0/274

**From:** OPA Resource  
**To:** Janbergs, Holly  
**Subject:** FW: US Military should take control of Japan Nuclear Site  
**Date:** Saturday, March 19, 2011 3:47:36 PM

---

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**From:** Clay A. Rosson [mailto:(b)(6)] Ex 6  
**Sent:** Saturday, March 19, 2011 3:47 PM  
**To:** OPA Resource  
**Subject:** Re: US Military should take control of Japan Nuclear Site

Its time for the US military to take over the Japan nuclear site. We do not need the permission or to be asked by the Japanese Prime Minister to move forward. He has asked for our assistance many times already. If Reactor #3 hits critical mass, all the reactors and their spent materials will devastate the entire northern Hemisphere. Do not get side-tracked focusing on Libya. Its time to move in now and either assist the Japanese or take over operations. Failure to do so will be the undoing of your administration. We cannot sit around and contemplate anymore. We don't need a permit to move forward. Action is needed now.

On Fri, Mar 18, 2011 at 10:04 AM, OPA Resource <OPA.Resource@nrc.gov> wrote:  
We appreciate the suggestions of folks with ideas to resolve the situation in Japan. Please understand that the NRC has some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We are fully staffed in all our response teams at this time and working 24-hours a day.  
Thank You

---

**From:** Clay A. Rosson [mailto:(b)(6)] Ex 6  
**Sent:** Friday, March 18, 2011 11:41 AM  
**To:** OPA Resource  
**Subject:** US Military should take control of Japan Nuclear Site

Dear NRC,

French nuclear experts have estimated that Japan has 24 hours left to get this under control at the power plant. Obviously, the site will never be cleaned up. The current location will be

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the disposal site on the coast. We have no choice there. The water dumped by helicopter is being used as if the site will become functional again and is not effective enough.

Four out of the six reactors are getting hotter and going to full meltdown and ultimate ruin of the country of Japan. I have learned from my studies that nuclear materials can be stored in glass. If glass beads/sand/clay were blown into the reactor/spent fuel pools that are getting hotter, the glass should melt and entomb the hot fuel. The radiation should stop immediately. IF we spray sand on the hot reactor it will turn to glass.

I found this technical quote which better describes the process:

The key issue is maintaining the geometry of the fuel rods and keeping them cool stops a partial or full meltdown, however it is essential that the geometry is maintained to avoid any criticality and injection of absorber material is essential to protect against loss of Geometry. A solution maybe to use Boron Dust or Small Boron glass beads which are the ultimate protection for Gas Reactors.

It may be necessary for the US to seize the site and take over control. The IAEA has never had any teeth really. The learning curve may be too steep for the Japanese to be able to react in time. National boundaries are irrelevant now.

Best Regards,

--

Clay Rosson  
Civil and Environmental Engineer  
Skype Name is clayrosson

[cell (b)(6)] Ex. 6  
fax 209-537-7938

--

Clay Rosson  
Skype Name is clayrosson

[cell (b)(6)] Ex. 6  
fax 209-537-7938

**From:** OPA Resource  
**To:** Janbergs, Holly  
**Subject:** FW: Using small helicopter drones at Fukushima  
**Date:** Saturday, March 19, 2011 5:20:47 PM

---

Ivonne L. Couret  
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**From:** David Hambling (b)(6) Ex 6  
**Sent:** Saturday, March 19, 2011 4:14 PM  
**To:** OPA Resource  
**Cc:** (b)(6) Ex 6  
**Subject:** RE: Using small helicopter drones at Fukushima

There are a lot of them out there, but it's doubtful whether they are well hardened. Some suggestions

CRASAR (first point of contact for any robot emergency, use Airrobot)  
<http://crasar.org/>

Honeywell T-Hawk (military and possibly better hardened than anything else)  
<http://www.thawkmay.com/>

Airrobot  
<http://www.airrobot-us.com/>

Cyberquad (Australian)  
<http://www.cybertechuav.com.au/-Overview,85-.html>

Quadrotto (designed for disaster situations)  
<http://www.dis.uniroma1.it/~multirob/sjed/quadrotto/>

GRASP lab (may have some ideas)  
<http://www.grasp.upenn.edu/>

Hope this helps - please let me know what happens with this, would be great to be able to cover the story,,  
David.

---

**From:** (b)(6) Ex 6  
**To:** (b)(6) Ex 6  
**Subject:** Using small helicopter drones at Fukushima  
**Date:** Sat, 19 Mar 2011 12:41:06 -0700

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Hi. We need to verify the cooling pond levels at the Fukushima reactors. I've found three companies so far—

[http://www.microdrones.com/en\\_home.php](http://www.microdrones.com/en_home.php)  
<http://ardrone.parrot.com/parrot-ar-drone/usa/>  
<http://www.draganfly.com/>

Can you think of any others? They need to survive the radiation long enough to verify the cooling levels. Please contact the NRC with your recommendation at

[opa.resource@nrc.gov](mailto:opa.resource@nrc.gov)

James A. Burt



**From:** OPA Resource  
**To:** Janbergs, Holly  
**Subject:** FW: Suggestions for Japan Nuclear Power Plant  
**Date:** Saturday, March 19, 2011 3:47:16 PM

---

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

From: robert s (b)(6) Ex. 6  
Sent: Saturday, March 19, 2011 3:29 PM  
To: OPA Resource  
Subject: Re: Suggestions for Japan Nuclear Power Plant

Please work on this in parallel with restoring the electric lines because if you find that the water pumps or water pipes are broken by the earthquake this will be the only thing you will be able to do.  
-regards

On Fri, Mar 18, 2011 at 2:24 PM, robert s (b)(6) Ex. 6 wrote:  
> Subject: Suggestions for Japan Nuclear Power Plant

>  
>  
> Hi,  
>  
> One of the problems they are having is to deliver water to the cooling  
> pool holding the off-line rods in reactor #3. Here is a suggestion for  
> another way to try to deliver the water to the cooling pool in Reactor  
> #3. (and maybe other parts that need cooling).  
>  
> About the cooling pool, The problem is that they are having  
> difficulties of placing water where they need it bcs there are  
> concrete walls around the cooling pool and apparently there is only a  
> one certain angle that can be seen from the helicopter that if that  
> angle was used to deliver water, it might get to the cooling pool.  
>  
> I am not sure how effective is it splashing water on concrete and  
> hoping that some it drips into the cooling pool.  
>  
>  
> Borrowing from the Roman and Middle Ages Armies. If Romans wanted to  
> attack a city with protected city walls, they would do the following.  
> In Roman times they would have built a giant scaffolding covered with  
> shields and have slaves to push it toward the City Walls so they can  
> attack the city from a convenient angle. In Roman time, you could not

u/eta

- > build the scaffolding next to the city walls because the defenders
- > pour hot oil on you , but you must build it far away and push it in.
- >
- > 21st century variation. They need to build a giant mobile scaffolding
- > that is as high as the the cooling pool is. It needs to be built far
- > from the plant. It must have big wheels so it will not get stuck on
- > trash on the ground. Alternatively you need remote controlled
- > bulldozer or tank with plow to clean the road. Then affix on the top
- > of the scaffolding a big water cannon. Then have 4 tanks ( remotely
- > controlled) to push the scaffolding into the position. Then have the
- > water canon to deliver the water in the right place. This could be
- > applied to other places that needs cooling.

>  
> (b)(6)  
>  
>  
>

--  
--Sent from my smart computer.

+++++

If you are not the intended addressee,  
please discard this email and inform

(b)(6) *FW:6*  
+++++

**From:** OPA Resource  
**To:** Janbergs, Holly  
**Subject:** FW: Response from "Contact the NRC Web Site Staff"  
**Date:** Saturday, March 19, 2011 3:44:16 PM

---

Ivonne L. Couret  
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-----Original Message-----

From: NRCWEB Resource  
Sent: Saturday, March 19, 2011 3:26 PM  
To: OPA Resource  
Subject: FW: Response from "Contact the NRC Web Site Staff"

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

From: charles adametz (b)(6) Ex. 6  
Sent: Saturday, March 19, 2011 2:51 PM  
To: NRCWEB Resource  
Subject: Response from "Contact the NRC Web Site Staff"

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

charles adametz (b)(6) Ex. 6 on Saturday, March 19, 2011 at 14:51:21

---

comments: Concerning the question of the nuclear disaster in Japan:

Is the use of dry ice or other retardant feasible?  
Could some pipeline feed coolant directly on area to buy time til repairs take over?

Thought I would send this as a possibility in case it wasnt thought of yet.

Thanks

organization: american

address1: (b)(6)

address2:

city: (b)(6)

0/278

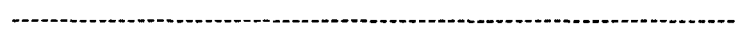
state: (b)(6)

zip: (b)(6)

country: (b)(6)

phone:

Ex. 6



**From:** OPA Resource  
**To:** Janbergs, Holly  
**Subject:** FW: Small helicopter surveillance drones for cooling pond level verification  
**Date:** Saturday, March 19, 2011 2:57:52 PM

---

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**From:** James A. Burt (b)(6) Ex G  
**Sent:** Saturday, March 19, 2011 2:43 PM  
**To:** OPA Resource  
**Subject:** Small helicopter surveillance drones for cooling pond level verification

<http://www.draganfly.com/uav-helicopter/draganflyer-x8/>

<http://www.youtube.com/user/draganflyinnovations>

Available now.

James A. Burt

0/279

**From:** OPA Resource  
**To:** Janbergs, Holly  
**Subject:** FW: brainstorm?  
**Date:** Saturday, March 19, 2011 9:56:23 AM

---

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-----Original Message-----  
From: Warren Chism (b)(6) Ev 6  
Sent: Saturday, March 19, 2011 3:01 AM  
To: OPA Resource  
Subject: brainstorm?

Re: Meltdowns in Japan

please forward as appropriate. thanks.

I'm a (b)(6) having worked and led projects in several high-tech companies, including work on robotics, and at (b)(6) where I helped in manufacturing and refining the designs of inkjet pens. I'm also a violin maker, having done research in violin acoustics. One thing I've experienced, and I'm sure you have too, is when some complete outsider comes up and says something, like with me... "Hey, I've got this great idea for an inkjet pen." or, "Hey, I think I know the secret of Stradivari." Does it drive me crazy when this happens? Yeah, usually. I suspect you know what I mean. But sometimes somebody with some relevant technical background comes up with something that I ought to consider. In the spirit of the somewhat educated outsider looking in, and not wanting to drive you crazy, I want to run a few thoughts past you, on the off chance that it might at least foster further thinking.

I was thinking about the disaster in Japan, about the fuel rods, containing pellets of uranium (I presume) and wondering what the material properties of it are. I was just guessing that it needs to have some particular properties in order to be optimum for use as fuel pellets. Then I wondered, "What happens when the stuff melts into a puddle in the bottom of the containment vessel? What are its properties then? And does it get mixed in with other metals?...and what would that do its ability to support fission, oxidize, or conduct heat away? Might it even melt and flow down and plug any cracks in the containment vessel?"

All of the above is just wild musings on my part, but it did make me start to think: I wonder if somehow intentionally reducing the stuff to a molten lump of the right amalgam, might have some long-term advantage?

0/280

Like....maybe just trying to cool off fuel rods (under present circumstances) is fraught with too many difficulties, but pouring something other than water on them might produce a mix of stuff that would, later, be easier to cool—and maybe make the dangerous components be better-contained.

Just as an illustration of the TYPE of principle I'm thinking of (not an actual proposal), suppose you poured (or injected) some granular metal (with good thermal conductivity) into the vessel (or pool) and that would create an amalgam that contained the radioactive material, and would also conduct heat more effectively, allowing you to cool it off more quickly (or more steadily?) Perhaps the material would weld itself right to the hottest spots in the fuel rods, which is where you want it?

My point is not that I'm suggesting this very idea (and I can think of some possible hazards in it), but that I'm suggesting that we might "think outside the cooling water."

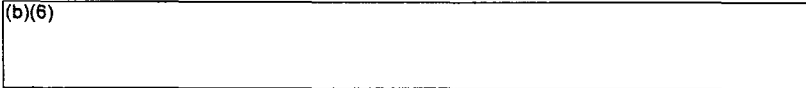
I don't know what the material might be, or what material properties or chemical properties would make sense. I just thought, with your ability to do modeling, and a little advice from a chemist, a metallurgist, and a PhD in P-Chem, you might come up with some clever alternative to simple ocean water. At this point, who cares what havoc it wreaks on the configuration of the fuel rods?....who cares if the fuel rods continue to look like fuel rods?!

Basic point: Think outside the cooling water?

Of course....it's presumptuous of me to think that an outsider like me would think of something that you haven't already thought of....but you never know! If I should hear reports that they're going to try dumping something other than just cooling water on their wayward fissile material, it will make me smile. Thanks for reading this. Hope I'm not driving you crazy.

Warren Chism

(b)(6)



**From:** Deb/Bee  
**To:** Janbergs, Holly  
**Subject:** Re: Safety of Nuclear Reactors  
**Date:** Saturday, March 19, 2011 5:51:22 AM

---

Ms. Janbergs,

Thank you for replying to me. I now have some additional concerns:

1. When assessing ability of nuclear reactors to w/stand earthquakes; do they, also, test the water supply feeding it -- like the dams & lakes to withstand earthquakes?
2. How long till the salt in the Japanese reactors start damaging the reactors and what damage will that be?

Sincerely,  
Deb Crittenden

---

**From:** "Janbergs, Holly" <Holly.Janbergs@nrc.gov>  
**To:** (b)(6)  
**Sent:** Fri, March 18, 2011 11:34:38 AM  
**Subject:** Safety of Nuclear Reactors

Ex. 6

Ms. Crittenden,

Thank you for sharing your concerns. We have received the letters you referenced. The NRC is always looking to improve safety and security of U.S. reactors, and we will be analyzing the information that comes out of this incident in Japan to see if there are any lessons we can apply to our own regulations. President Obama has also directed the agency to conduct a comprehensive review of the safety of U.S. nuclear plants, and we will be doing so.

U.S. power plants are built to withstand environmental hazards, including earthquakes. Even those plants located outside of areas with extensive seismic activity are designed for safety in the event of a natural disaster. The NRC also requires robust safety and security systems at nuclear plants to combat potential terrorist threats. Facilities are required to perform in regular exercises that are designed to test the integrity of a plant's defenses and response capabilities. You can read more about the types of emergency preparedness we require at the following links:

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

Applications for new nuclear reactors such as North Anna, Unit 3 undergo a lengthy process to determine the feasibility and safety of the site and proposed design. Each goes through an extended period of review, both from a safety and an environmental standpoint. The particular application you referenced is still in early stages, and there will be plenty of opportunities for public comment as the NRC researches the proposed reactor. There is more information available here, including a schedule:

<http://www.nrc.gov/reactors/new-reactors/col/north-anna.html>

I hope this answers your questions.

Thank you,  
Holly

0/281



**From:** Shun Serket  
**To:** Tobin, Jennifer  
**Subject:** Re: I really want to know how one spent fuel rod get heat each hour  
**Date:** Saturday, March 19, 2011 2:58:44 AM

---

Dear Ms. Jennifer

I really thank you to reply my mail.

The NRC gave a lot of information to me. I can't appreciate it without saying directly in your country, but please let me say "Thank you so much"

In Japan, now firecar is ceaselessly injecting water to pool of No3 power plant. In 7 hours, 1280 tons of water will fill the pool, but I think a half of water filled is good. No water, no future.

2011/3/19 Tobin, Jennifer <[Jennifer.Tobin@nrc.gov](mailto:Jennifer.Tobin@nrc.gov)>

Dear Mr. Kimura,

Thank you for your inquiry. Our hearts go out to your countrymen. The NRC is assisting as requested by your government. One of the big concerns, as you note, is the increased heat levels in the spent fuel pools. I know that there are many methods underway to try to cool them down. Unfortunately, I do not have specific temperatures that I can give you since we are not aware of that information. I understand that our regulatory counterpart (NISA) in Japan is doing everything in their power to contain the damage at the Fukushima plant. I hope that I have been somewhat helpful.

-Jenny

**From:** Shun Serket [mailto: [\(b\)\(6\)@nrc.gov](mailto:(b)(6)@nrc.gov) ] 4/6  
**Sent:** Friday, March 18, 2011 1:06 PM  
**To:** OPA Resource  
**Subject:** I really want to know how one spent fuel rod get heat each hour

My name is Shunsuke Kimura, and I live in  [\(b\)\(6\)](mailto:(b)(6)@nrc.gov)

I study about nuclear power, and architecture of power plant,

and I am monitoring what occurs in Fukushima Daiichi power plant.

and I sadly concluded that power plant can't be recovered and will start critical again in poor that is storing a lot of spent fuel rods.

so, I want to know how spent fuel rods get heat each hour.

and how do you think about spent fuel rod temperature

0/282

the time fuel rod approached 2800 C is the last day in japan SERIOUSLY.

You may know Fukushima daiichi power plant is highly dangerous.

in japan, a lot of people think it go better time to time.

they didnt experience the case(one thing can easily kill us)

Your answer help a lot of people.

**Deavers, Ron**

---

**From:** Ridge, Christianne  
**Sent:** Saturday, March 19, 2011 12:00 PM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** Reply to FW: Are we in Danger as well?

Replied with FAQ answer #1 and part of #4

**From:** OPA Resource  
**Sent:** Saturday, March 19, 2011 9:49 AM  
**To:** Ridge, Christianne  
**Subject:** FW: Are we in Danger as well?

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs  
Media Desk  
[opa.resource@nrc.gov](mailto:opa.resource@nrc.gov)  
301-415-8200

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<http://www.nrc.gov/reading-rm/doc-collections/nvregs/staff/sr1350/>

6  
**From:** Bradiaz (b)(6)  
**Sent:** Friday, March 18, 2011 8:02 PM  
**To:** OPA Resource  
**Subject:** Are we in Danger as well?

Dear Expert(s),  
I hope this letter finds you all well.

Now that the worlds largest Nuclear accident has happened what are the chances of having the effects reach the USA? California and the Western parts of the country? How can we have our Ki issued to us?

I ask these question as a fellow human and a concerned parent. Please share answers.

0/283

**Deavers, Ron**

---

**From:** Ridge, Christianne  
**Sent:** Saturday, March 19, 2011 12:33 PM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** FW: PUBLIC - FW: Response from "Contact the NRC Web Site Staff"

Replied with paraphrase of Amy's "thanks but we have experts working on it" email (Amy, I don't have your exact text).

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

**From:** OPA Resource  
**Sent:** Saturday, March 19, 2011 9:47 AM  
**To:** Ridge, Christianne  
**Subject:** PUBLIC - FW: Response from "Contact the NRC Web Site Staff"

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs  
Media Desk  
[opa\\_resource@nrc.gov](mailto:opa_resource@nrc.gov)  
301-415-8200

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

**From:** NRCWEB Resource  
**Sent:** Friday, March 18, 2011 8:07 PM  
**To:** OPA Resource  
**Subject:** FW: Response from "Contact the NRC Web Site Staff"

6  
-----Original Message-----

**From:** (b)(6)  
**Sent:** Friday, March 18, 2011 7:19 PM  
**To:** NRCWEB Resource  
**Subject:** Response from "Contact the NRC Web Site Staff"

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

(b)(6) 6 on Friday, March 18, 2011 at 19:19:17

comments: I have watched the progress of the Japanese Nuclear Power plant meltdown for a week now. There main concern seems to be the lack of providing water to the reactors and to keep water over the spent

0/284

fuel rods. My question is why has no one suggested to move some of the Japanese Naval ships sitting idle to the power plants and use the aux power on the ships to supply power to the pumps in order to cool the reactors? Ships are power plants.

organization:

address1:

address2:

city:

state: ---

zip:

country:

phone:

---

**Deavers, Ron**

---

**From:** Ridge, Christianne  
**Sent:** Saturday, March 19, 2011 12:43 PM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** Reply - FW: JAPAN

Left phone message and sent email with reply #1

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

**From:** OPA Resource  
**Sent:** Saturday, March 19, 2011 9:50 AM  
**To:** Ridge, Christianne  
**Subject:** FW: JAPAN

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs  
Media Desk  
[opa.resource@nrc.gov](mailto:opa.resource@nrc.gov)  
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-----Original Message-----

**From:** Michael Carl Tanner (b)(6)  
**Sent:** Friday, March 18, 2011 10:08 PM  
**To:** OPA Resource  
**Subject:** JAPAN

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

Michael Carl Tanner (b)(6) on Friday, March 18, 2011 at 22:07:57

comments: I just printed your FAQ'S about the disaster in Japan, and we are all praying for their recovery. However, (b)(6) Long term, is there anything to fear. FYI, in the (b)(6)

organization:

address1 (b)(6)

address2:

city (b)(6)

0/285

state

(b)(6)

zip:

(b)(6)

country:

(b)(6)

phone

(b)(6)

**Deavers, Ron**

---

**From:** Ridge, Christianne  
**Sent:** Saturday, March 19, 2011 1:04 PM  
**To:** Bonaccorso, Amy; Deavers, Ron  
**Subject:** FW: Radiation Question

Replied with part of FAQ #4 and gave her website for US embassy in Japan.

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

**From:** OPA Resource  
**Sent:** Saturday, March 19, 2011 9:51 AM  
**To:** Ridge, Christianne  
**Subject:** FW: Radiation Question

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs  
Media Desk  
[opa.resource@nrc.gov](mailto:opa.resource@nrc.gov)  
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-----Original Message-----

**From:** (b)(6) 6  
**Sent:** Friday, March 18, 2011 10:39 PM  
**To:** OPA Resource  
**Subject:** Radiation Question

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

(b)(6) on Friday, March 18, 2011 at 22:38:45

---

comments: Should airline crews be concerned with layovers in Narita? We keep getting conflicting information and the fact that we are exposed to cosmic radiation by flying the polar routes on a regular basis gives us cause for concern. Please help. We are agonizing over whether we should go. There are food and water shortages, blackouts, etc.

Thank you.

contactName: Nancy Waltrip

phone: (b)(6)

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0/286



**Deavers, Ron**

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**From:** Ridge, Christianne  
**Sent:** Saturday, March 19, 2011 2:30 PM  
**To:** Deavers, Ron; Bonaccorso, Amy  
**Subject:** RESPONSE TO FW: Response from "Contact the NRC Web Site Staff"

Replied with contact for NJ from NRC State POC website.

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

**From:** OPA Resource  
**Sent:** Saturday, March 19, 2011 11:44 AM  
**To:** Ridge, Christianne  
**Subject:** FW: Response from "Contact the NRC Web Site Staff"

Ivonne L. Couret  
Public Affairs Officer  
Office of Public Affairs  
Media Desk  
[opa\\_resource@nrc.gov](mailto:opa_resource@nrc.gov)  
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-----Original Message-----

**From:** NRCWEB Resource  
**Sent:** Saturday, March 19, 2011 11:32 AM  
**To:** OPA Resource  
**Subject:** FW: Response from "Contact the NRC Web Site Staff"

6

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

**From:** Kathy (b)(6)  
**Sent:** Saturday, March 19, 2011 10:47 AM  
**To:** NRCWEB Resource  
**Subject:** Response from "Contact the NRC Web Site Staff"

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

Kathy (b)(6) on Saturday, March 19, 2011 at 10:46:46

comments: How do I check if a physician is an authorized user for reading nuclear cardiology studies and being on the license for a new nuclear cardiology lab?

0/287

## Deavers, Ron

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**From:** Ridge, Christianne  
**Sent:** Saturday, March 19, 2011 2:50 PM  
**To:** Deavers, Ron; Bonaccorso, Amy  
**Subject:** REPLY FW: Citizen Inquiry

Left voice mail, tried to follow up email but it was bounced back. Replied with response #1 and suggested she visit [www.ready.gov](http://www.ready.gov)

**From:** Buchholz, Jeri  
**Sent:** Saturday, March 19, 2011 12:53 PM  
**To:** Ridge, Christianne  
**Subject:** Citizen Inquiry

Julie Urban

(b)(6)

Concerned about radiation arriving in San Francisco. Is (b)(6) and is concerned about her (b)(6) and her community. Want to be as prepared as possible.

**From:** Janbergs, Holly  
**To:** (b)(6)  
**Subject:** Re: Ventilator Safety  
**Date:** Sunday, March 20, 2011 2:26:00 PM

---

To Hong-Lin Du,

I suspect that if your patients have been checked for contamination, so have their personal effects. However, if there is a possibility that some of your patients' ventilators may have been contaminated, they should contact the incident response teams from the Japanese government.

Thank you,  
Beth

Beth Janbergs  
Public Affairs Assistant  
301-415-8211

0/289

**From:** Steve Krivit  
**To:** [McIntyre, David](#); [OPA Resource](#)  
**Subject:** RE: [2] Fwd: Media Inquiry  
**Date:** Sunday, March 20, 2011 3:52:12 PM

---

Hi David,

I'm not looking for modeling projections based on what may or may not be known at the source. I'm looking for capabilities of making radionuclide measurements as they are in transit which would provide several days' advance warning based on their current location, concentration and vector.

Which agency would be responsible for warning the public of a potential radiological hazard, as in Fukushima, of a foreign incident?  
Which agency would be responsible for doing so in the event of a domestic incident?

Thanks,

Steve

At 10:41 AM 3/20/2011, McIntyre, David wrote:

I'm not sure I understand the question. Several agencies are involved in modeling how the radiation might make its way across the Pacific, using data from the plant and prevailing meteorological conditions. Again, DOE's NARAC (National Atmospheric Release Assessment Center) at Lawrence Livermore Lab is doing most of that. And you can call the DOE number I gave you in my earlier reply. In the unlikely event that projections showed radiation might be high enough to recommend protective actions, of course the government would warn the public.

David McIntyre  
NRC Public Affairs

**From:** Steve Krivit [[\\_mailto:stevek@newenergytimes.com](mailto:stevek@newenergytimes.com)]  
**Sent:** Sunday, March 20, 2011 3:35 PM  
**To:** OPA Resource  
**Subject:** [2] Fwd: Media Inquiry

Dear Sir/Madam,

I realized that I made the assumption that the federal government has the capability to warn the American public of radiation fallout before the fallout actually lands on American soil. Does the government in fact have this capability, and if so, can you provide any details?

Steve

Date: Sun, 20 Mar 2011 10:13:00 -0800

0/290

To: OPA.Resource@nrc.gov  
From: Steve Krivit <stevek@newenergytimes.com>  
Subject: Media Inquiry

Dear Sir/Madam,

At any time in the last week, did the NRC inform the American public that:

1. The federal government **had the capability** to monitor any radiation threats that could possibly come onto U.S. soil?
2. The federal government **was actively monitoring** any radiation threats that might possibly come onto U.S. soil?
3. The federal government **would take proactive steps to inform** the American public should a radiation threat on U.S. soil become imminent?

By all appearances, it seems that the federal government told the American public nothing about its detection capabilities, its monitoring activity and its willingness to inform the American public until particles were first detected in Sacramento and Washington state.

I am aware of the comments Mr. Jaczko made on 14 March (copied below my signature.)

My deadline is Monday noon.

Thank you,

Steve

Steven B. Krivit  
Editor, New Energy Times  
369-B Third Street | Suite 556 | San Rafael, California | USA 94901  
T 310.470.8189 | (M <sup>(b)(6)</sup> ) F 213.226.4274  
[www.newenergytimes.com](http://www.newenergytimes.com) Ex6

-----  
*Original reporting on leading-edge energy research and technologies*

**CBS: March 14  
U.S. nuclear agency chief leaves reporters with more questions than answers**

[http://www.cbsnews.com/8301-503544\\_162-20043074-503544.html](http://www.cbsnews.com/8301-503544_162-20043074-503544.html)  
When I asked whether harmful radiation from Japan could reach America under a worst case scenario, Mr. Jaczko said it was "very unlikely."

Jaczko: "Information about harmful - the lack of any harmful impacts to the US is simply based on the nature of these reactors and the large distances obviously between those and any US territories so you just

aren't going to have any radiological materials by the time it travels those large distances that could present any risk to the American public."

Apparently even the NRC was unsettled by that answer, because shortly after the briefing I received an unprompted email from a senior NRC official offering a more definitive response: "Based on the type of reactor and nature of the events, NRC expert analysts see no scenarios in which harmful levels of radiation would reach Hawaii, Alaska, the U.S. Territories or the West Coast of the United States."

**From:** McIntyre, David  
**To:** [stevek@newenergytimes.com](mailto:stevek@newenergytimes.com)  
**Subject:** RE: Media Inquiry  
**Date:** Sunday, March 20, 2011 2:01:00 PM

---

Mr. Krivit –

The EPA is the lead US agency conducting monitoring. EPA issued a statement midweek I believe, saying that they were deploying additional monitors in the western US and that the data on their RadNet system would be available to the public over the EPA's website. Later in the week, DOE was designated the lead agency in responding to questions about the domestic monitoring effort. Questions about this effort should be directed to DOE at 202 586 4940.

Regards,  
David McIntyre  
NRC Public Affairs

---

**From:** Steve Krivit [<mailto:stevek@newenergytimes.com>]  
**Sent:** Sunday, March 20, 2011 2:13 PM  
**To:** OPA Resource  
**Subject:** Media Inquiry

Dear Sir/Madam,

At any time in the last week, did the NRC inform the American public that:

1. The federal government **had the capability** to monitor any radiation threats that could possibly come onto U.S. soil?
2. The federal government **was actively monitoring** any radiation threats that might possibly come onto U.S. soil?
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My deadline is Monday noon.

Thank you,

0/091

Steve

Steven B. Krivit

Editor, New Energy Times

369-B Third Street | Suite 556 | San Rafael, California | USA 94901

T 310.470.8189 | M [redacted] F 213.226.4274

[www.newenergytimes.com](http://www.newenergytimes.com)

Ex. 6

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**U.S. nuclear agency chief leaves reporters with more questions than answers**

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Apparently even the NRC was unsettled by that answer, because shortly after the briefing I received an unprompted email from a senior NRC official offering a more definitive response: "Based on the type of reactor and nature of the events, NRC expert analysts see no scenarios in which harmful levels of radiation would reach Hawaii, Alaska, the U.S. Territories or the West Coast of the United States."



**From:** James A. Burt  
**To:** Janbergs, Holly  
**Subject:** RE: Drone Suggestions  
**Date:** Sunday, March 20, 2011 3:56:08 PM

---

Looking forward to progress on pool 4 and defeating hydrogen evolution there. . .

**From:** Janbergs, Holly [mailto:Holly.Janbergs@nrc.gov]  
**Sent:** Sunday, March 20, 2011 7:27 AM  
**To:** (b)(6) ] E 6  
**Subject:** Re: Drone Suggestions

Mr. Burt,

Thank you for sending your ideas on the use of helicopter drones to help combat the situation in Japan. Though remotely-piloted aircraft are already being used to make a difference, we appreciate any suggestions that work toward resolving this ongoing crisis. It's reassuring to see how helpful and dedicated private citizens have been in light of this disaster.

The NRC has been working 24-hours a day to fully staff our response teams and monitor the situation overseas. We also have some of the most expert people in the world available to assist the Japanese authorities in whatever way they request. We will be doing everything we can in this difficult time.

Thank you again,  
Bethany

Beth Janbergs  
Public Affairs Assistant  
301-415-8211

0/292

**From:** Janbergs, Holly on behalf of OPA Resource  
**To:** Janbergs, Holly  
**Subject:** FW: Reactors  
**Date:** Sunday, March 20, 2011 3:43:00 PM

---

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

From: (b)(6) Ex 6  
Sent: Sunday, March 20, 2011 3:41 PM  
To: OPA Resource  
Subject: Reactors

Dear Sirs,

Since we've seen a reactor canget too hot for people to enter  
Why not use a tracked robot like the army ese? It would have  
to be bigger and strengter to drar the hose in an could go over the  
rubble.  
Also the nozzle and as much of the robot should be made of Boron.

The vent one safly would require the construction of a filter.  
A large tank filled almosot to the top with water. The inlet wound be  
at the bottom, the  
water would cool the steam and should remove most of the radioactive  
elements.  
The outlet would have to be screened and have a fine pore filter.

I believe this would work on any reactor.

Sicerly,  
David Obrecht

(b)(6) Ex 6

0/293

**From:** Janbergs, Holly on behalf of OPA Resource  
**To:** Janbergs, Holly  
**Subject:** FW: Giving you some suggestions on how to assist Japan with getting sea water injected into their overheating reactor vessels.  
**Date:** Sunday, March 20, 2011 12:20:00 PM

---

**From:** (b)(6) Ex. 6  
**Sent:** Sunday, March 20, 2011 12:12 PM  
**To:** OPA Resource  
**Cc:** (b)(6) Ex. 6  
**Subject:** FW: Giving you some suggestions on how to assist Japan with getting sea water injected into their overheating reactor vessels.

Ladies and Gentleman

I understand Japan may be having continuing problems with overheating in Unit 3.

Here I describe to you my suggestion for a Hydraulic "punch" that would allow them to connect a firehose directly to the containment vessel so that sea water can be pumped in by a Fire Pumper.

Goal.....create a new water input feed so that a Fire Hose could be used to inject sea water into the 6 inch thick containment vessel.

Expertise required:

- (1) EXPERT PIPE WELDER
- (2) EXPERT in HYDRAULICS
- (3) EXPERT IN NUCLEAR REACTORS
- (4) EXPERT INDUSTRIAL PLUMBER

Procedure

- (1) Cutoff a 4 inch diameter Stainless steel or carbon steel pipe into two 4 foot sections.
- (2) Shape one of the 4 foot pipe sections (left side) into the shape of the curvature of the containment vessel. (probably almost flat due to its size).
- (3) Thread the other end to fit into a T joint.
- (4) Weld this section of pipe to the outside to the containment vessel.
- (5) Using this section of pipe that is welded up to the side of the containment vessel, use it now as a "guide pipe" to guide in a 4 inch diameter mining bit with a hydraulic drill from a mining operation.
- (6) DRILL inward to the vessel BUT leave 1/4 to 1/2 inch of steel without fully piercing the vessel with the drill. (TO PIERCE THE VESSEL AT THIS POINT WOULD BE MESSY, AND DANGEROUS)
- (7) Screw on the T union to the threaded end.
- (8) A top the Pipe going upward from the T, attach a check valve.
- (9) A top the check valve, attach a manual cutoff valve.

0/294

- 10) A top the cutoff valve attach a fitting to mate to a Fire Hose.
- (11) The Fire Hose is to be run to a Fire Pumper so that Sea water can eventually be pumped in from the Pumper.
- (12) Screw in the Right Section of 4 foot long pipe. This section serves as the HYDRAULIC PRESS for activating the "PUNCH".
- (13) At each side of this pipe, there will be a HYDRAULIC HOSE connector.
- (14) Fashion an approximate 5 foot long PUNCH out of Titanium. This punch will be approximately 3.99999 inches in Diamete and "just fit" the inside of the "polished" 4 inch diameter pipe.
- (15) Pointing toward the Containment Vessel will be a foot long Piercing Punch that is about a quarter inch in diameter. The point is very sharp. This should looking like a punch that you would buy at lowes hardware only much bigger. It might be worth while to place some one eight inch channels into the piercing end. These could be either v shaped or U shaped.
- (16) Insert this punch into the right side pipe.
- (17) Screw on a ROBUST End Cap.
- (18) Close the valve a top the T Union.
- (19) Attach the fire Hose to the Top of the Valve and bring up the water pressure.
- (20) Attach the Hydraulic Hoses to the Hydraulic Hose fittings on the right 4 ft pipe section.
- (21) Apply the Hydraulic Pressure ot the HJydraulic Punch. It should punch its way on into the containment vessel through the 1/4 or 1/2 plate that is left in the drill hole.
- (22) The Hydraulic Pressure will also put pressure on the air that was in the pipe.
- (23) After the punch presses through to the inside of the vessel (should see a noticable drop in the pressure build up of the punch), close off the Hydraulic Input and then Open the Hydraulic Output to let the hydraulic fluid be pushed out by the air pressure in the pipe and the water pressure from the containment vessel coming through the channels in the punch.
- (24) Bring up full pressure on the Fire Pumper and then open the valve a top the T. At this point you will be feeding sea water directly into the bottom of the containment vessel.
- (25) Obviously there still may be a need to relieve pressure at the top of the vessel.....or simply connect a drain line up there an simply continue to flush sea water though the system. (you may have to release as Steam into the atmosphere if the radioactivity level is high inside).

In a nutshell, this procedure uses Hydraulic Power to puncture through a 1/4 in to 1/2 inch piece of steel left after the drill goes "almost through".

None of the water is allowed to escape outside of the vessel because of the check valve.

If the engineering numbers do not work using the Hydraulic Punch concept, than consider a well placed Shape charge of C4 Explosives in the right pipe section to drive it (the punch on into the containment vessel). (EXPLOSIVES EXPERT NEEDED).

GOD SPEED

Thanks, Please twix to our NRC folks on the ground at FUKUSHIMA

(b)(6)

If you have questions give me a call (b)(6)

From: (b)(6) Ex. 6

To: opa.resource@nrc.gov

CC: (b)(6) Ev. 6

Subject: FW: Giving you some suggestions on how to assist Japan with possible exposed spent fuel rods in UNIT 4

Date: Wed, 16 Mar 2011 20:48:29 -0400

URGENT URGENT URGENT

PLEASE READ and Twix to the NRC onsite in JAPAN asap

Ladies and Gentleman

I understand that there is the possibility that the spent fuel rods are with out water seriously raising the possibility of a meltdown of those rods in UNIT 4.

I also read that UNIT 6 has a Diesel Generator that is being used to feed water over in UNIT 5 to keep it cool.

Here is a possible action to undertake tonight.

IF you don't have enough firehose for this operation onsite at the Reactor Site there get the FIREHOSE on the way from Tokyo as fast possible either by Fire Truck or by Multiple Helicopters of the Military.....with a couple of Fire Hoses on each of the choppers.

If you can feed water into Unit 5 by using the Diesel Generator at Unit 6, then you can feed water to the storage pool at UNIT 4.

You just need enough fire hose from Tokyo.

(1) Option 1. Take the Firehose up to the hole in the roof of the building with the helicopter. Just Tie it off in a big loop and attach it to the bottom strut of the chopper.

Feed it it thru the roof top hole and then cut the rope loose with a knife. One end dangling down thru the roof toward the pool and the other end down toward Ground Level. Finish out the connections on the ground and feed it with water from Unit 6. You guys will have to estimate how many feet of hose you need to get from Tokyo if enough is not on site.

(2) Option 2. Take the Hose up through the building itself and stick it in the pool by hand.

You might also want to think about getting a Tanker Truck Full of diesel fuel on the way up there as well just to be safe.

I am also asking for 10 or so Brave Volunteers that are ready to make the ultimate sacrifice for Japan. I KNOW THIS. If I were younger and had my strength, I would volunteer to be the first man up. We had a number of brave American Firefighters who gave it up at the Twin Trade Towers.....so being a hero on this earth is nothing new to this planet.

The Diesel Generator on Unit 6 can and should be used alternatively to feed water to Unit 5 or to the storage pool on Unit 4.

GOD SPEED

My Heart goes out to the Brave Souls both American and Japanese that are on site at the facility.

Thanks,

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From: (b)(6) Ex. 6  
To: opa.resource@nrc.gov  
CC: (b)(6) Ex. 6  
Subject: Giving you some suggestions on how to assist Japan with the 6 reactors that are a danger to us.  
Date: Wed, 16 Mar 2011 17:23:11 -0400

URGENT URGENT URGENT

Ladies and Gentleman,

I will try to be short on rhetoric and long on suggestions.

I am a (b)(6) out of the box thinker/inventor. I also spent (b)(6)

It now appears to me that the one resource that Japan needs at the Nuclear Complex is electricity, electricity and more electricity. (not to mention more people).

MY PHASE ONE RECOMMENDATION:

Mobilize both the US Military and the Japanese Military and get as MANY DIESEL GENERATORS on the complex as needed to run any and all water pumps required for all 6 Units.....to keep the sea water going in.

Get a rolling Convoy System Started as soon as possible to haul Diesel Tankers into the facility on a rotating basis to keep those Diesel Generators running.

Get military Personnel involved both US and Japanese involved in road clearing to the complex and in Traffic Control on that Diesel resupply corridor.

FOCUS an all out effort to keep units 5 and 6 COOL.

TRY to keep the other units from melting through the floor into the storage pools.

IN 48 hours (if we have that), we ought to be able to have at least TWO LARGE DIESEL GENERATORS and a small escorted Truck Convoy of Diesel Fuel started up to the facility.

IN 72 hours we ought to have enough Diesel Generators there to power all the necessary pumps to keep sea water flowing as necessary to try to maintain some stability.

IN 72 hours we ought to have enough Diesel Tanker Trucks moving in and out of the facility to keep those generators running 24/7 for weeks.

ONE AMERICAN WATER TRUCK going into the complex is NOT GOING TO GET THIS JOB DONE. (I hope it was drinking water).

ASK for volunteers.....some of these american heros are not going to make it through this thing with a long life span.

MY PHASE TWO RECOMMENDATION:

Get in touch with BLOOM ENERGY in California. In early 2010 they announced the development of SOLID OXIDE FUEL CELL "BOXES" that are large enough to run a WAL MART STORE 24 by 7 365.

It is powered by NATURAL GAS.

They should be able to go to the front of their PRODUCTION LINE and pull the boxes from there.....(I think their production capability right now is one unit a day).

Then an all out effort should be made to establish the integrity of Natural Gas Pipe lines up in the area of the Nuclear Complex.

If there is substantial damage, than a first priority should be to get those lines sending Natural Gas to the Nuclear Complex over the coming weeks and months.

The BLOOM BOXES will allow them to keep running their WATER PUMPS as necessary to keep unit 5

and 6 from melting down. (THOSE WILL GO TOO, IF WE DONT GET ELECTRICITY IN THERE).

The DIESEL GENERATORS and BLOOM BOX "may" give us time to think through other options.....such as building a large cement factory nearby to entomb this monster for the next 2 or 3 hundred years and to build a 12 foot fence around it with monitoring systems.

(In all likelihood, all we can do at this point is to salvage Units 5 and 6, maybe save the pools under them and entomb the rest of the disaster in lead and cement.)

IF the NATURAL GAS LINES are non existent, then plan the following:

Re route the nearest LIQUID NATURAL GAS ship to anchor right off the coast of where the COMPLEX is.

Get a PIPE LAYING ship in there in the next week or so and lay a Natural Gas Line from where the Tanker would Anchor up at and pipe the Natural GAS ashore from the anchored ship.

Yep 20 to 30 miles off the coast if necessary.

(This is not your ordinary disaster gentleman). (I know that most of you are probably in your 30s and 40s and never dreamed you would see anything like this in your life time.)

This could then be used to power up the BLOOM BOXES from the off shore LNG Ship.

We are witnessing something that the US Military taught us GI's in Nam as "CROWD SHOCK". It is when the event or tragedy is so large that everyone seems to be "frozen" into NOT TAKING ANY ACTION.

I have seen that phenonmen before. It is REAL.

That is probably going on around the world right now with millions of people.

We need to break our own "crowd shock" and move into a mode of action utilizing all of the MILITARY and COMMERCIAL RESOURCES available to try to tame this ugly beast in JAPAN.

My research into the situation indicates that the storage pools UNDERNEATH the damn reactors (of all places) are the most dangerous if they go up in a nuclear fire.

Being an out of the box thinker.....I have to sleep on a problem for awhile before I am able to come up with something doable.....that is why I am only just now getting back to you today.

This is doable .....AT ALL COSTS.

WE CAN HELP JAPAN DO THIS!!!!



I am worried about Cesium dropping on american wheat plants!!!!

GOD SPEED

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Please protect my privacy as it was done during the Gulf Oil Spill.....I want to remain anonymous as I did during the BP Oil Spill this past summer.