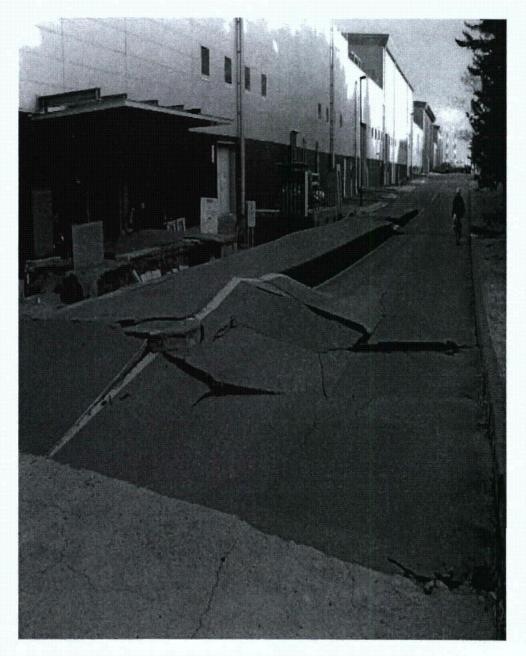
# Road in front of Linac



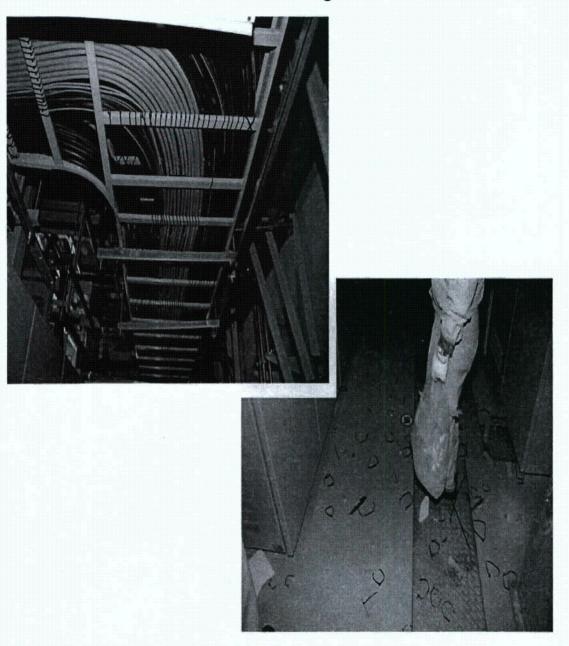
Serious cracks on the road. This is a typical one and can be seen all over the J-PARC area.

## **Electric Power Supply for Linac**



Side buildings were severely damaged (due to less number of underpins), whereas central area for Linac had no damages including klystrons. <sup>6</sup>

# **Electric Wiring Room**



Cable Rack (upper) and many bundles were scattered on the floor below the cable rack (lower).

CI 980 of 1219

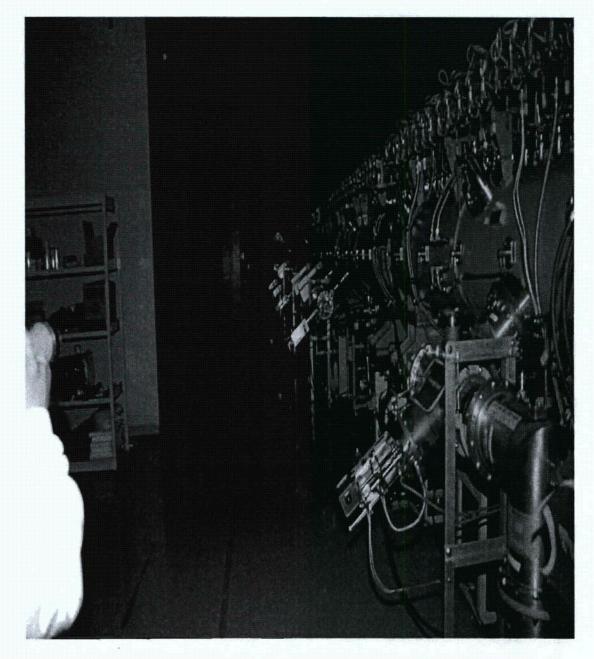
7

#### East Side of Linac



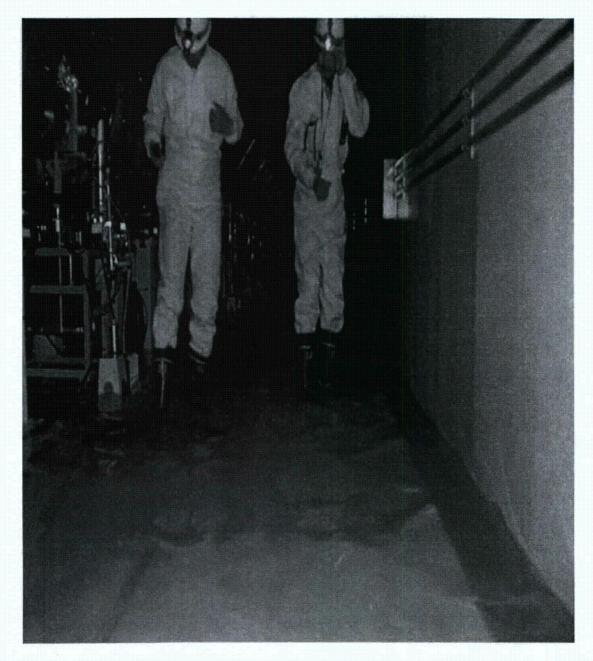
Compared to the west side of the building the east side of the building had less damages like the picture shown here.

## Inside Linac Tunnel



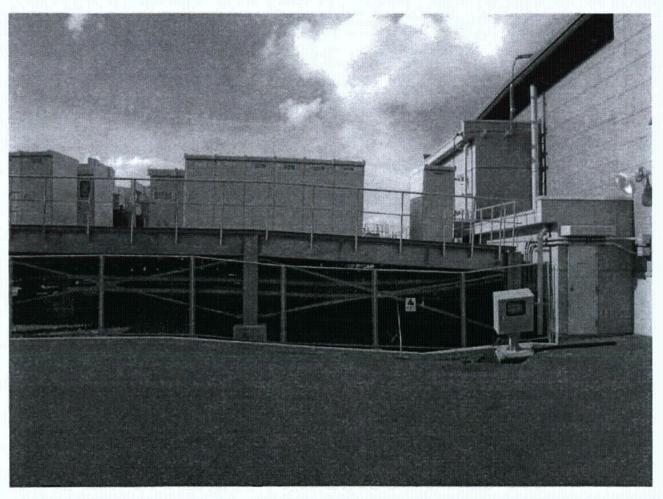
Concerning the central area of Linac, no serious damages were seen by looking from outside. As of March 17, 1 cm deep water was on the floor.

## Linac Tunnel as of March 24



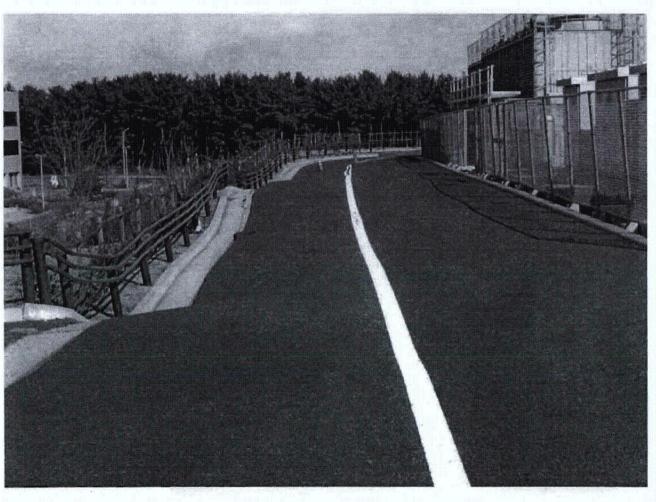
On March 17 the water level was only 1 cm, whereas it was 10 cm on March 24. With motor driven electric generator a pumping started on March 25.

#### **3 GeV Electric Device**



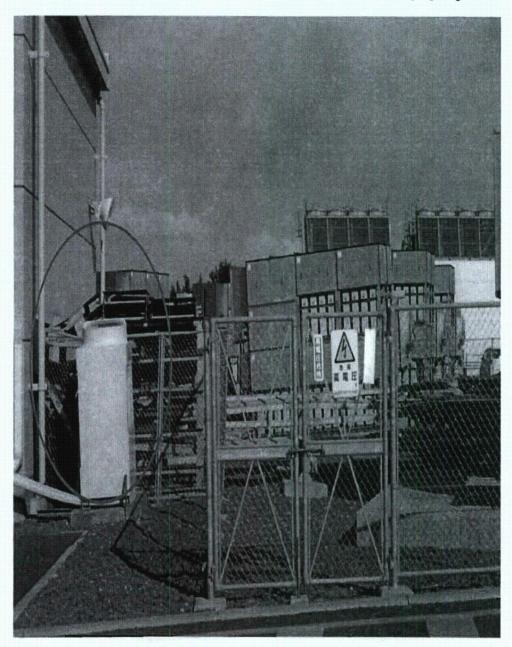
Leaning is observed as shown in the figure.

#### Road around 3 GeV



Wavy road. Bump in the middle means that beam pipe is underneath it. Both sides of the bump were sinking.

## 3 GeV Electric Power Supply



Leaning toward the left side. Around the place marked on red about 100 cables are there, which are all distorted.

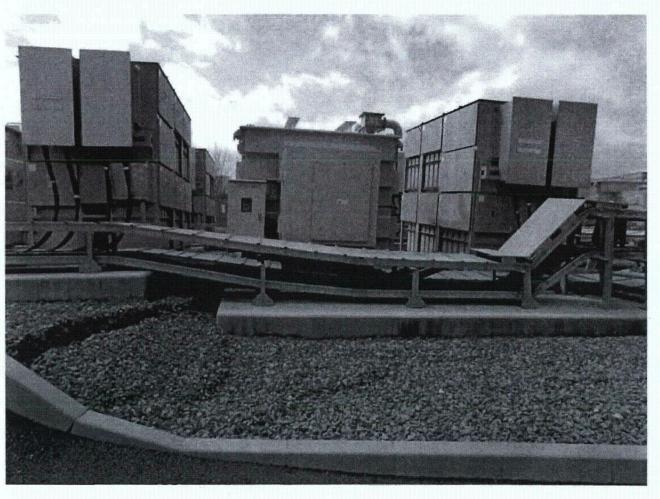
13

### Pipes for Air Conditioning for 3 GeV



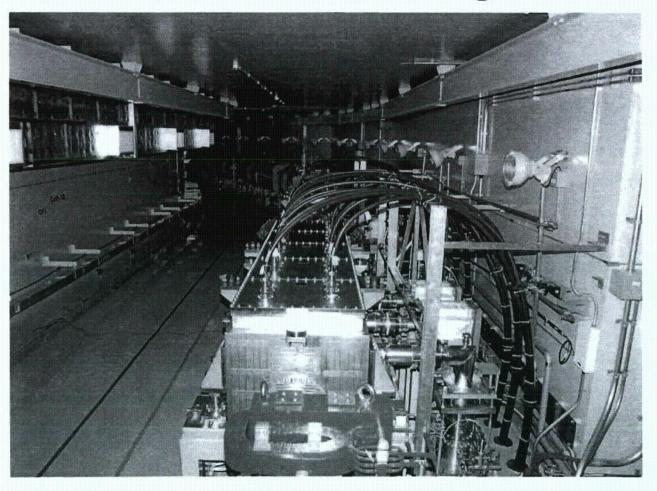
Cable racks and pipes for air conditioning were all bent.

#### Condenser Bank for 3 GeV



Condenser bank was waved. Cables were distorted with heavy weight on them.

## 3 GeV Main Ring



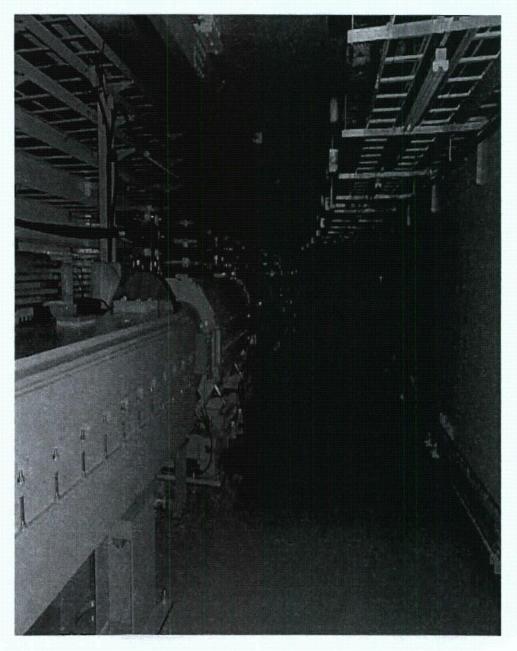
No obvious damages were observed. (Photo taken on March 29).

#### 50 GeV The Second Entrance Area



Over the region of 1 m by 10 m about 50 cm dropped.

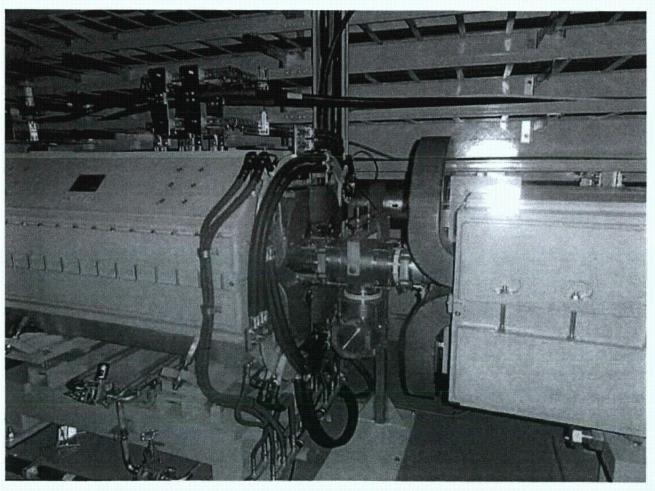
## 50 GeV Main Ring (1)



Although some distortion is observed for cable rack, the accelerator itself seems OK as viewed only from this area.

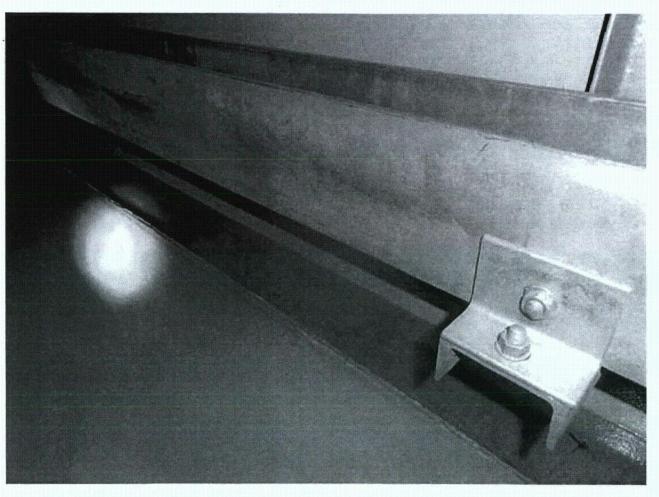
18

## 50 GeV Main Ring (2)



No damages are observed from outside alone.

#### 50 GeV Side Notch



A few cm deep water was accumulated. Need to pump the water as soon as possible. Humidity was very high.

## 50 GeV Tunnel



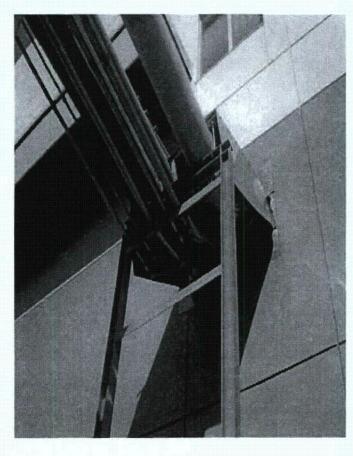
C2 sub tunnel vs. Main ring sub tunnel. About 1 cm high difference observed. However, this could well be before the earthquake. <sup>21</sup>

#### Main Control Room

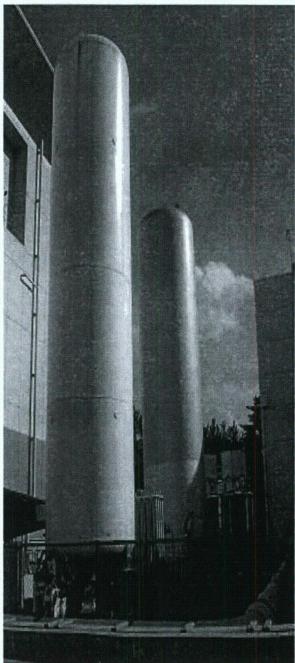


Main Control Room was in a reasonable shape.

## Materials and Science Area (MLF) (1)



Sinking caused a sharp bend in the piping system though the building (upper). Helium tank is leaning toward left (right). Front is nitrogen tank.



## Materials and Science Area (MLF) (2)

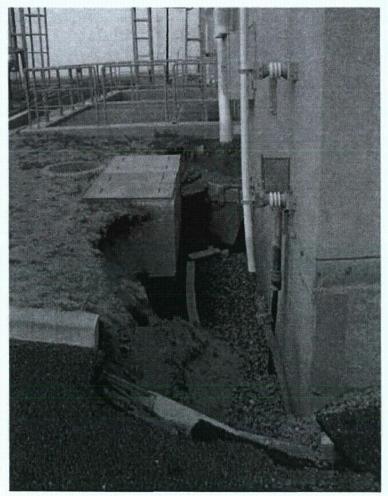


West side road from MLF. About 1.5 m sinking was observed.

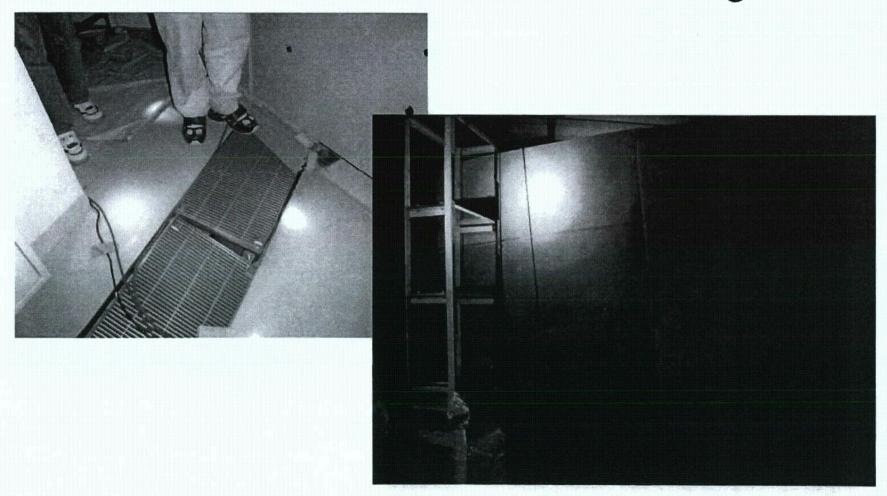
#### Materials and Science Area (MLF) (3)



Many pipes were disconnected (upper). South side toward west. (right)

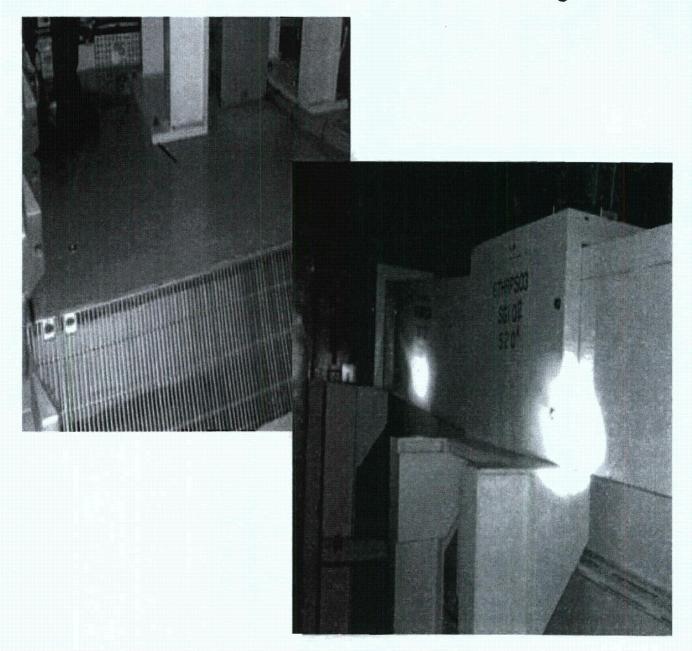


#### MLF West-side Added Building



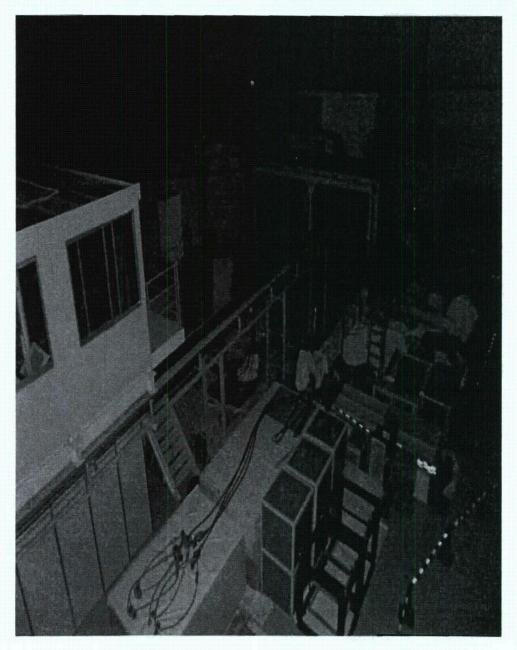
30 cm dropped for the west-side added building (left). BL18,BL19 and BL20 were damaged. Vertical parallel lines are now leaning toward the left (right).

## MLF East-side Added Building



30 cm dropped for the east-side added building (left). BL08 and BL09 were damaged. For BL08 all mirrors for the optical guide were broken (right).

## MLF First Hall and Second Hall



Interior part of the Hall 1 and Hall 2 are very healthy, thanks to many underpins for the building.

28

## **MLF Control Room**



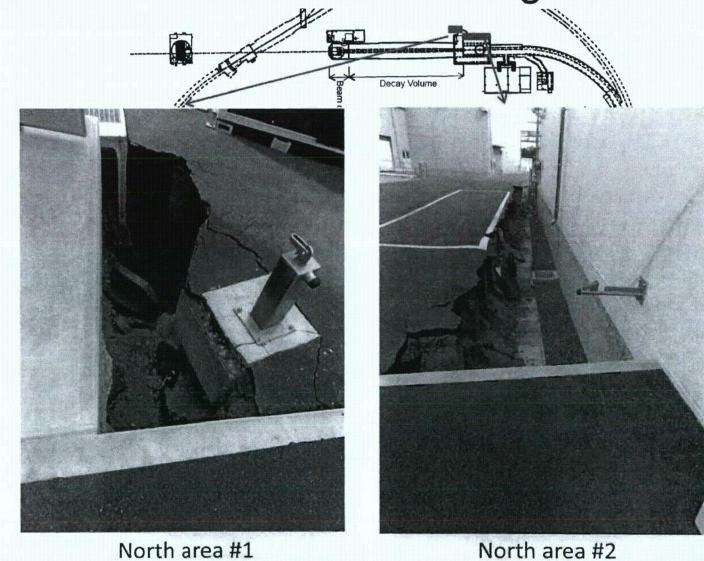
Inside the MLF control room, only books were dropped without any significant vibration.

# 3NBT (Beam Transport from 3GeV)

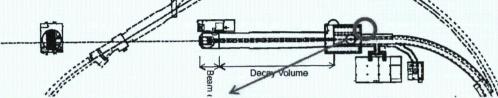


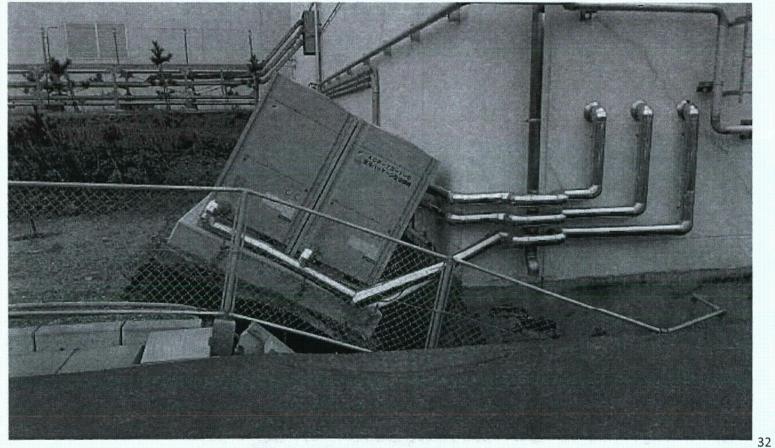
3NBT itself seems OK. However, on the joint portion, there was a crack due to displacement.

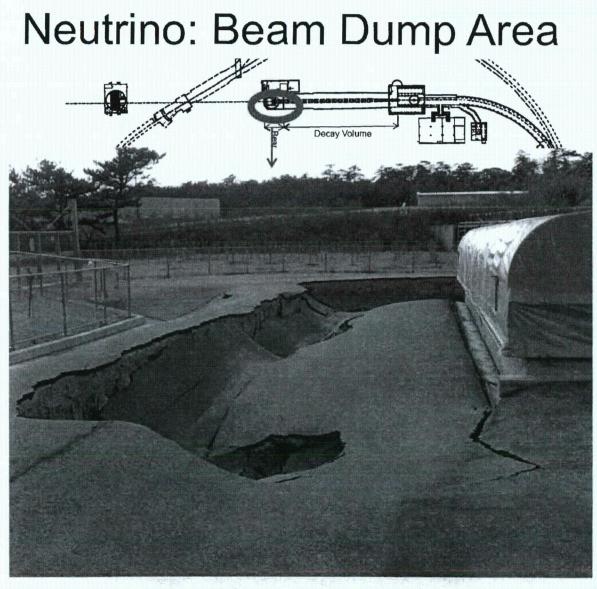
## Neutrino: Outside the Target Area



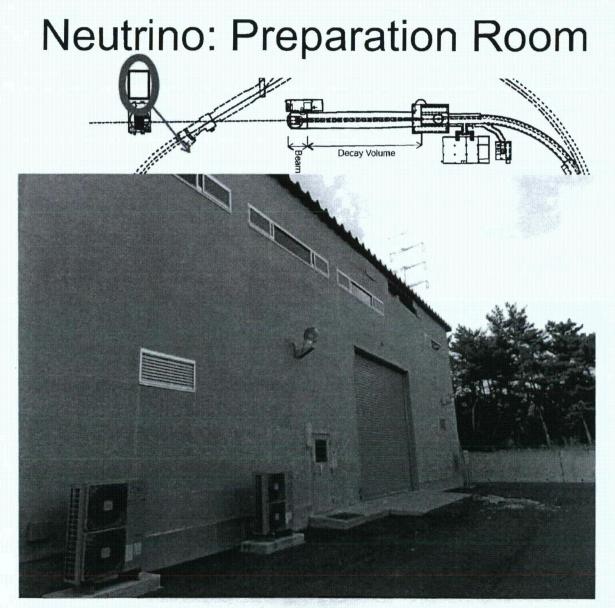
# Neutrino: Air Conditioning



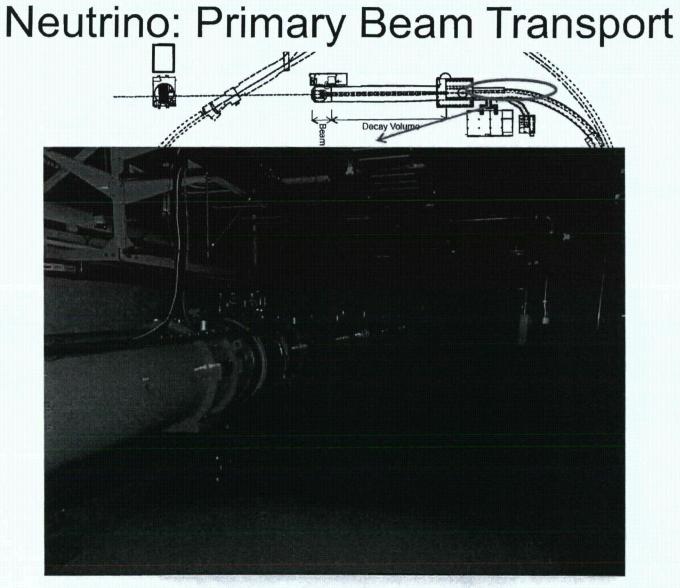




South side (viewed from upstream to downstream)



East side



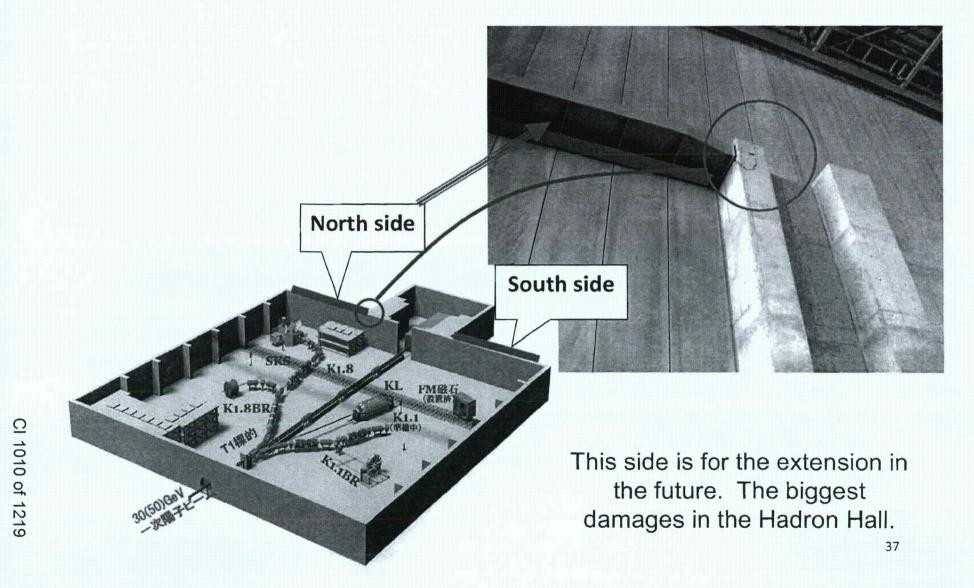
No significant damages from outside.

35

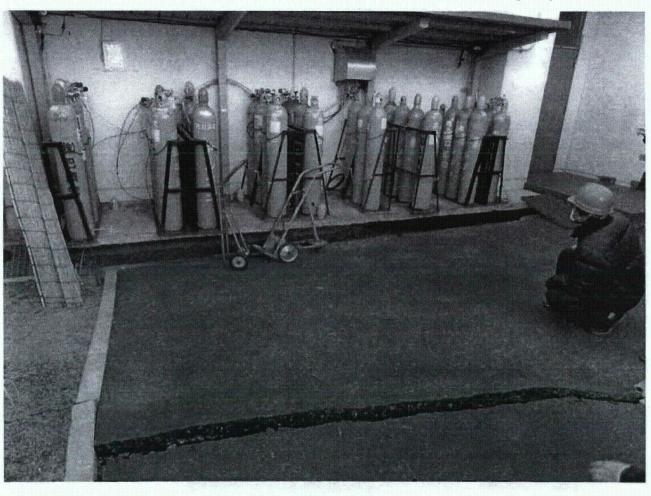
# Neutrino: On Site Detector Decay Volume

No significant damages from outside. About 1 cm deep water at the bottom.

### **Outer Wall for Hadron**



## Hadron Outside Area (1)



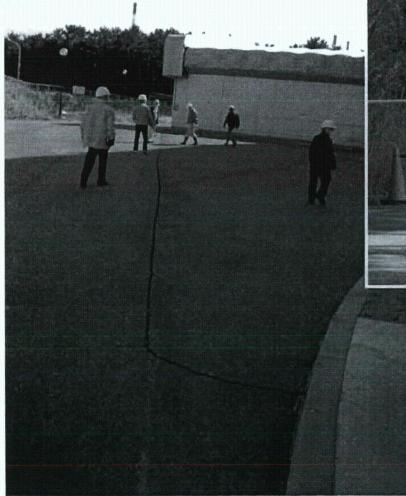
About 30 cm drop all over the places. Gas storage stand is floating up on the air.

## Hadron Outside Area (2)



Again about 30 cm drop.

## Hadron Outside Area (3)





Crack along the surface and a fall-down against the fence.

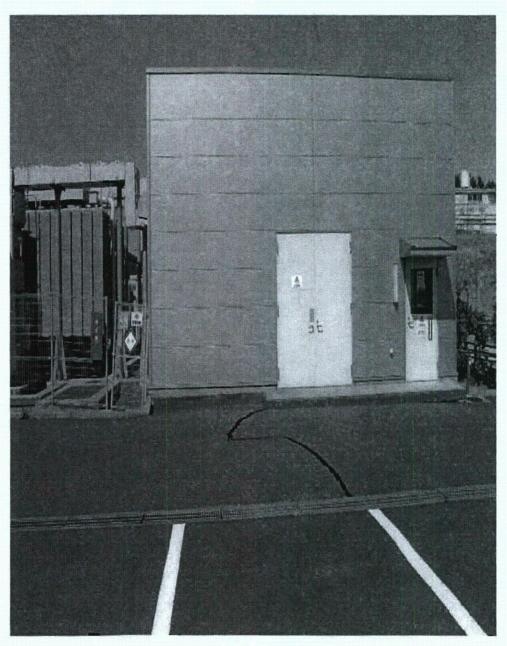
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## Hadron Experimental Hall



Due to many underpins, hadron hall looks OK. No significant damages were observed.

# Major Power Transformer for Linac, etc.



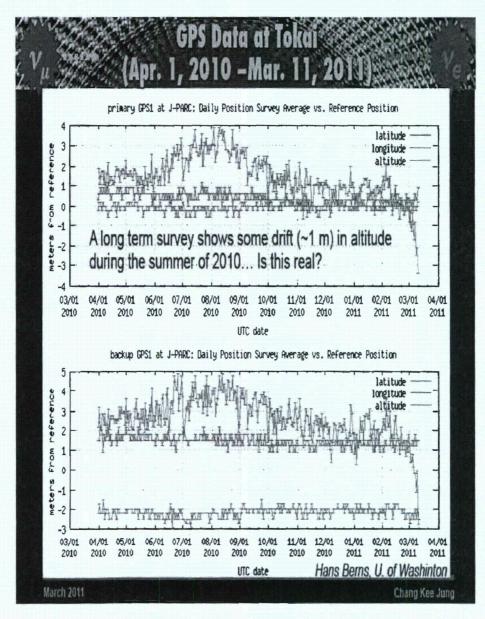
About 10 degree leaned. At the beginning we were told that it would not work at least half a year. Later it turned out that it would work immediately.

## Tsunami on the near-by River



The river at a normal time (left) and the river when Tsunami came (right).
 At J-PARC the level of Tsunami was about 3 meters,
 while the level for the nearby areas was about 5 meters.
 (This is consistent with the previous study for the 17<sup>th</sup> century Tsunami.
 In this case, the estimate was also by 2 meters lower at our site as compared with other adjacent areas.)

# GPS Measurement by the Neutrino Group



Red and greed indicate horizontal x and y. Blue is vertical movement. In March the record indicates a sharp drop in the vertical direction. Relation to the earthquake is not clear, though.

From:	LIA04 Hoc
Sent:	Friday, April 01, 2011 1:21 PM
То:	Logaras, Harral
Cc:	LIA05 Hoc; Easson, Stuart; Flannery, Cindy; LIA04 Hoc; Lukes, Kim; Maupin, Cardelia;
	Noonan, Amanda; OST05 Hoc; Rautzen, William; Rivera, Alison; Ryan, Michelle; Turtil,
	Richard; Virgilio, Rosetta
Subject:	RE: Population maps surrounding the nuclear power plants.

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Harral,

I believe the context you provided helps.

and the second of the second second

Just want to let you know that FEMA Headquarters is working on providing new revised maps that show accurate EPZ population numbers and only show operating plants.

Kim Lukes State Liaison **NRC HQ Operations Center** 301-816-5193

From: Logaras, Harral Sent: Friday, April 01, 2011 1:01 PM To: LIA04 Hoc Cc: LIA05 Hoc Subject: RE: Population maps surrounding the nuclear power plants.

Michelle,

The inquiry was spurred by internal review of the maps. We observed what appeared to several potential errors on the maps and we submitted the guery out of concern to avoid unwarranted questions from reviewers that may disagree with information portrayed thereon (e.g. 10 & 50-mile EPZ's where no longer are there off-site agency radiological emergency response plans....) Does this context help?

Sincerely,

-

Harral Logaras U. S. NRC Region III **Regional Government Liaison** 630-829-9659

Link to the Award Winning NRC Information Digest http://www.nrc.gov/reading-rm/doccollections/nuregs/staff/sr1350/v22/sr1350v22.pdf

Link to NRC Fact Sheets and Brochures http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/

From: LIA04 Hoc Sent: Thursday, March 31, 2011 5:09 PM To: Logaras, HarralCc: LIA05 HocSubject: RE: Population maps surrounding the nuclear power plants.

Harral,

FEMA has asked what spurred the map inquiries. Are you just trying to confirm that the information is correct, or have you received additional questions about the maps? Thanks Michelle

From: Logaras, Harral Sent: Thursday, March 31, 2011 4:30 PM To: LIA04 Hoc Subject: RE: Population maps surrounding the nuclear power plants.

By the way, I think the LaCrosse plant is in western Wisconsin rather than central Kansas, and is anything at all left a Trojan?

Sincerely,

Harral Logaras U. S. NRC Region III Regional Government Liaison 630-829-9659

Link to the Award Winning NRC Information Digest <u>http://www.nrc.gov/reading-rm/doc-</u> collections/nuregs/staff/sr1350/v22/sr1350v22.pdf

Link to NRC Fact Sheets and Brochures http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/

From: LIA04 Hoc Sent: Thursday, March 31, 2011 3:26 PM To: Logaras, Harral Subject: RE: Population maps surrounding the nuclear power plants.

Thanks Harral. I will look into this.

From: Logaras, Harral Sent: Thursday, March 31, 2011 4:19 PM To: LIA04 Hoc Subject: RE: Population maps surrounding the nuclear power plants.

Is it appropriate to depict permanently shut down plants like Zion, Big Rock, LaCrosse and Trojan as having 10 and 50-mile EPZ's?

2

Sincerely,

Harral Logaras U. S. NRC Region III Regional Government Liaison 630-829-9659

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Link to the Award Winning NRC Information Digest http://www.nrc.gov/reading-rm/doccollections/nuregs/staff/sr1350/v22/sr1350v22.pdf

Link to NRC Fact Sheets and Brochures http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/

From: LIA04 Hoc Sent: Thursday, March 31, 2011 10:56 AM To: Barker, Allan; Browder, Rachel; Erickson, Randy; Logaras, Harral; Maier, Bill; McNamara, Nancy; Tifft, Doug; Trojanowski, Robert; Woodruff, Gena Cc: Easson, Stuart; Flannery, Cindy; LIA04 Hoc; Lukes, Kim; Maupin, Cardelia; Noonan, Amanda; OST05 Hoc; Rautzen, William; Rivera, Alison; Ryan, Michelle; Turtil, Richard; Virgilio, Rosetta Subject: FW: Population maps surrounding the nuclear power plants.

FYI

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

From: LIA05 Hoc Sent: Thursday, March 31, 2011 11:21 AM To: LIA01 Hoc; LIA06 Hoc; LIA11 Hoc; LIA04 Hoc; LIA08 Hoc; OST05 Hoc . Subject: FW: Population maps surrounding the nuclear power plants.

Population maps surrounding the nuclear power plants.

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

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

From: Coons, Albert [mailto:albert.coons@dhs.gov] Sent: Thursday, March 31, 2011 10:49 AM To: LIA05 Hoc Subject: FW: Population maps surrounding the nuclear power plants.

I don't know if you still need this information. Here is some more data on populations around plants

Albert Coons Lead Program Specialist HQ/NPD-THD-REPP FEMA 202-212-2318 (b)(6) (cell) 703-305-0837 (fax) E-mail: albert.coons@dhs.gov

الهرجة الرادة الجاد بيوة الجاهد ستحصف والعوالي العربي الهويديينة مستهومو From: Rodriguez, Arthur H (CTR) On Behalf Of FEMA-MACMAPS Sent: Wednesday, March 30, 2011 4:38 PM To: Fontenot, Rebecca; FEMA-MACMAPS

• • • • • • • • • • •

**Cc:** Feighert, Dan; Coons, Albert **Subject:** RE: Population maps surrounding the nuclear power plants.

Hello Rebecca,

Attached please find the maps and population table we made for a similar request a couple weeks ago. If you would like us to change anything to make this closer to the previous product, we can do that for you. Please just let us know what changes/updates you would like.

Note that the population information is based on 2007 population estimates, based on the 2000 census. We do not have 2010 census data available for this analysis at this time.

Thanks,

Arthur Rodriguez GIS Analyst Mapping and Analysis Center (MAC) IT-Enterprise GIS Services Federal Emergency Management Agency Department of Homeland Security

500 C Street SW / Room 420 Washington, DC 20472

Office: 202-646-3011 Fax: 202-646-3402

From: Fontenot, Rebecca
Sent: Wednesday, March 30, 2011 4:17 PM
To: FEMA-MACMAPS
Cc: Feighert, Dan; Coons, Albert
Subject: Population maps surrounding the nuclear power plants.

Hello Again,

We are looking for the most recent maps that you may have with the 10-mile and 50-mile population zones surrounding US nuclear power plants. Thank you for your assistance and I look forward to working with you.

4

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#### **Rebecca** Fontenot, MPH

Emergency Management Specialist REP Program DHS-FEMA-PNP-NPD-THD (202) 212-2315 (b)(6) (cell) Rebecca.fontenot@dhs.gov անձեր անձառությունը է են անձառներ անձառները է արդ է արդ էլերուներին է են երկություններին, են երկություններին, ե

From: LIA04 Hoc Sent: Friday, April 01, 2011 1:26 PM PMT09 Hoc; Hoc, PMT12; Harrington, Holly; Easson, Stuart; Flannery, Cindy; LIA04 Hoc; To: Lukes, Kim; Maupin, Cardelia; Noonan, Amanda; OST05 Hoc; Rautzen, William; Rivera, Alison; Ryan, Michelle; Turtil, Richard; Virgilio, Rosetta Subject: FW: Update on DHEC actions and finding **Attachments:** Environmental Sampling Japanese Incident March 2011 Overview.pdf; SC DHEC and NPP Air Sampling Results as of April 1.pdf; Japan FAQ 01 04 01 11.pdf; Mary N. Bright.vcf High **Importance:** Just FYI **Kim Lukes** State Liaison **NRC HQ Operations Center** 301-816-5193

From: Trojanowski, Robert
Sent: Friday, April 01, 2011 1:08 PM
To: McCree, Victor; Wert, Leonard; Hannah, Roger; Ledford, Joey; Croteau, Rick; Jones, William; Munday, Joel; Christensen, Harold; Gody, Tony; Musser, Randy; Guthrie, Eugene; Bartley, Jonathan; Hopper, George; Shaeffer, Scott; McCoy, Gerald; Rich, Daniel; Lake, Louis; LIA04 Hoc; LIA07 Hoc; Piccone, Josephine; Turtil, Richard; Virgilio, Rosetta; Ryan, Michelle; Woodruff, Gena; McNamara, Nancy; Tifft, Doug; Logaras, Harral; Barker, Allan; Maier, Bill
Subject: FW: Update on DHEC actions and finding
Importance: High

FYI---Current summary of South Carolina's activities with respect to the Fukushima, Daiichi event------Bob

From: Mary N. Bright [mailto:brightmn@dhec.sc.gov] Sent: Friday, April 01, 2011 12:46 PM

Hello all,

We have created, and attached, several documents for your use. These documents include:

• Actual results found from air and rainwater sampling in key spots throughout the state.

- A breakdown of the frequency of routine sampling that takes place and the additional sampling has been initiated since the Japan disaster (March 11, 2011).
- An internal Fact Sheet created for DHEC staff and personnel to address questions that come to us from the public and media.

To summarize the findings, DHEC had found minor levels of Iodine-131 in the air and rainwater at various locations throughout the state. The findings are consistent with findings from the U.S. Environmental Protection Agency numbers and the numbers reported to us through the various commercial nuclear power plants here in our state. The levels found pose no significant health threat or health concern. The levels we're seeing coming from Japan are 100,000 times lower than what you would get from taking a round-trip international flight.

DHEC personnel are continuing to take samples from air and rainwater. Additional drinking water and milk source sampling is now underway. As the results come to us we will make them available to each of you.

Please feel free to contact us if you have any questions or concerns about the information we have provided.

Sincerely,

Mary Nguyen Bright

Mary Nguyen Bright Public Information Director South Carolina Department of Health and Environmental Control Nuclear Response and Emergency Environmental Surveillance Section Mailing Address: 2600 Bull Street; Columbia, South Carolina 29201 Physical Address: 8911 Farrow Road; Columbia, South Carolina 29203 (o) 803-896-4099 (p) 803-698-2967 brightmn@dhcc.sc.gov For more information on SCDHEC's response to nuclear and radiological issues, please call (800) 476-9677.

			ROUTI	NE					
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acility	Location	Air	Drinking Water	Precipitation	Readings	Soil	Vegetation	Milk	TLDs
	21-0538 (Duke Rec)	Monthly							
	21-5781 (WTP KEOWEE Key)	Monthly							
Oconee									···
Catawba VC Summer HB Robinson Barnwell Co. Aiken EQC Reional Öffice	Seneca Water Supply (EPA RadNet)		Quarterly						
	Area within 10 mile EPZ	<del></del>							12 (Quarterly
	21-0881 (Catawba Overlook)	Monthly						-	
Catawba	21-0869 (Bluebird Ln)	Monthly							
	Area within 10 mile EPZ								12 (Quarterly
	21-0731 (Garden Plot)	Monthly							
VC Currenting	21-0736 (Monticello)	Monthly							
vc Summer	Jenkinsville ( EPA RadNet)	·······	Quarterly						
	Area within 10 mile EPZ								12 (Quarterly
	21-0230 (Visitor's Center)	Monthly							
HB Robinson	21-0238 (Johnson's Marina)	Monthly							
	Area within 10 mile EPZ								12 (Quarterly
Barnweil Co.	Barnwell (for EPA RadNet)		Quarterly						· · · · · · · · · · · · · · · · · · ·
Aiken EQC									
national Office	EQC Aiken Regional Office							5(Quarterly)	
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			lab for analysis. Ost- Fukushir	ni Dai-ichi					
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### **Japanese Nuclear Power Plant Concerns**

April 1, 2011

#### What is the impact of the event in Japan on people in the United States?

At this time, there is no indication that significant radioactive materials from the incidents in Japan have the potential to reach the U.S. or will have any significant radiological effect on the U.S. The S.C. Department of Health and Environmental Control and the U.S. Environmental Protection Agency (USEPA) have found minor levels of radioactive material on the east coast in the air and in rainwater. We do not expect to see radiation at harmful levels that would impact health.

#### What's the risk for South Carolina from the current nuclear power emergency in Japan?

The U.S. Nuclear Regulatory Commission (USNRC) says Japan's nuclear emergency presents no danger to the United States. The USNRC is directly involved and assisting the response efforts in Japan emergency and continues to monitor for any risk in the U.S.

#### What is DHEC doing to assess the risk?

DHEC is monitoring the situation closely in conjunction with our local, state, federal partners and commercial nuclear facilities throughout the state. DHEC personnel have been continuously monitoring the air at multiple locations throughout the state. When possible precipitation samples have been gathered throughout the state. The DHEC state laboratory has analyzed these samples and, at this time, results show minor levels of Iodine-131 that pose no health concern or health threat. DHEC continues to follow the effects of the damaged nuclear power plants as long as there are potential concerns.

#### What additional exposure are we getting from the radiation that has been detected?

The levels we're seeing coming from Japan are 100,000 times lower than what you would get from taking a roundtrip international flight.

#### Does South Carolina have a plan in place to respond to a radiological emergency?

Yes. We work closely with the S.C. Emergency Management Division, our state's coordinating agency, and other state agencies in all emergencies. There are plans in place for monitoring our nuclear facilities and other nuclear threats, and to respond to safely limit any threats to the public.

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#### Should I be taking potassium iodide (KI) to protect myself?

No. Potassium iodide (KI) tablets are not recommended at this time. In fact, KI tablets can present a danger to people with allergies to iodine, shellfish or who have thyroid problems. Taking KI when it is not needed can cause side effects. Dosages can vary by body weight and must be measured carefully, particularly in children to avoid toxicity. KI should only be taken when advised by public health officials in the event of a nuclear disaster locally. If it ever would become necessary for South Carolinians to take potassium iodide, the federal government's Strategic National Stockpile keeps supplies of KI and can deliver emergency equipment and supplies within hours. DHEC maintains a state stockpile of KI as well.

#### What are the health effects of radiation exposure?

- The risks from radiation always depend on the amount of radiation in the atmosphere, the type of radiation released, the distance from the radiation source, and whether there is any shielding between the source and a person.
- Radiation can be dangerous if the dose of radiation exceeds a certain level. If a nuclear power plant is damaged, health effects are most often seen among the first responders and nuclear power plant workers. This is because they are working in the accident area and they are more likely be exposed to the high levels
- of radiation that must be present to cause immediate effects. Some of the immediate effects show up as skin redness, hair loss, and burns.
- In a nuclear power plant accident, the general population is not likely to be exposed to enough radiation to cause these effects. South Carolina's distance from Japan greatly reduces our risk of exposure to the radiation that has been released as a result of this accident.

#### Who is at highest risk of exposure in the Japanese nuclear power plant accident?

Nuclear power plant workers may be exposed to higher radiation doses due to their professional activities and direct exposure to radioactive materials inside the power plant.

#### What are the long-term effects from radiation exposure?

- Exposure to high levels radiation could increase the risk of cancer. For instance, among the atomic bomb survivors after World War II, the risk of leukemia increased a few years after radiation exposure. The risks of other cancers increased after more than 10 years following the exposure to high amounts of radiation.
- Radiation can be released into the air during nuclear emergencies. Until experts analyze the radiation, there is not enough information to predict the potential impacts of the radiation upon people and the environment.
- Other potential long-term effects come from consuming contaminated foodstuffs that were present in the environment after the release.

#### Is it true that we are all exposed to radiation daily?

Yes. We are exposed to natural radiation in small amounts on a daily basis. The radiation comes from the sun, from natural materials found in the ground, water and air, from our televisions, cell phones and computers, and

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from every structure around us. Levels of exposure to natural radiation also depend on the local geology and elevation. People can also be exposed to higher doses of controlled radiation for radiation treatments or medical equipment such as X-ray machines.

#### How does radiation become a health hazard during a nuclear power plant accident?

- If radiation is released from a nuclear power plant during an accident, the radioactive particles might become airborne.
- Those particles that drift in the atmosphere could settle on water and land. If the particles come in contact with people, there is a possibility of radiation contamination both internal (breathing and eating) and external.
- It is important to monitor the instructions from public health authorities to determine if there is a risk. You may be advised to stay indoors for a period of time.
- If there has been external contamination, such as radioactive particles falling on the skin, you may be advised to take a shower.
- You should also avoid eating potentially contaminated foodstuffs.

#### What will public health be doing in an emergency involving radiation?

- In the case of a nuclear power accident, protective actions may be implemented within an area around the site. Those could include staying indoors, or evacuation.
- The public health impacts depend on the amount of radioactivity released in the atmosphere and the prevailing weather conditions such as wind and rain. It may be helpful to evacuate people within a certain distance of the nuclear power plant; to provide shelter in order to reduce exposure; and to provide potassium iodide pills, commonly called KI, for people to take to reduce the risk of certain cancers. Medical authorities determine these steps after consultation with radiation experts.
- If warranted, steps such as restricting food use of vegetables and dairy products produced in the area of the power plant can help reduce exposure.

#### How can I protect myself?

- It is important to remember that according to the U.S. Nuclear Regulatory Commission, there is no risk to anyone in the United States at this time. The Environmental Protection Agency has permanent radiation monitoring stations on the West coast.
- Keep yourself and your family informed by obtaining accurate information. Know where to get information, such the Centers for Disease Control and Prevention or the Nuclear Regulatory Commission, rather than relying on unverified websites, where invalid information may spread quickly.

Follow the instructions of your local government's authorities after any emergency. DHEC communicates with local media, such as radio and TV, regularly. We also have updated information on our website at <a href="http://www.scdhcc.gov/environment/lwm/html/nuclear\_power.htm">http://www.scdhcc.gov/environment/lwm/html/nuclear\_power.htm</a>.

For more information on Iodine – 131, please visit the following link:

http://epa.gov/radiation/radionuclides/iodine.html

For more information on the USEPA's monitoring efforts, please visit the following link:

http://www.epa.gov/japan2011/

For more information on the U.S. response to Japan's Fukuschima Dai-ichi Nuclear Power Plant incident, please visit the following link:

http://www.usa.gov/Japan2011.shtml

For more information about South Carolina's KI policy or the state's radiological emergency response plan, contact Mary Nguyen Bright at (803) 896-4099 or 1-800-476-9677.

Attachment Mary N. Bright.vcf(328 bytes ) cannot be converted to PDF format.

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				SC DHEC /	Air Sampling F	Results as of /	April 1, 2011					
		Sample	Date	Be-7	1 yr Dose	K-40	1 yr Dose	C0-60	1 yr Dose	1-131	1 yr Dose	Cs-1
ocation	Sample ID	Туре	Collected	(pCi/m3)	(mrem)	(pCi/m3)	(mrem)	(pCi/m3)	(mrem)	(pCi/m3)	(mrem)	(pCi/r
	XA21605	Air	21-Mar	<mda< td=""><td></td><td>0.633</td><td>8.20E-02</td><td><mda< td=""><td></td><td>0.035</td><td>1.20E-02</td><td><md< td=""></md<></td></mda<></td></mda<>		0.633	8.20E-02	<mda< td=""><td></td><td>0.035</td><td>1.20E-02</td><td><md< td=""></md<></td></mda<>		0.035	1.20E-02	<md< td=""></md<>
	XA21606	Air	21-Mar	<mda< td=""><td></td><td>0.477</td><td>6.18E-02</td><td>0.85<sup>1</sup></td><td>1.95E+00</td><td><mda< td=""><td></td><td><m[< td=""></m[<></td></mda<></td></mda<>		0.477	6.18E-02	0.85 <sup>1</sup>	1.95E+00	<mda< td=""><td></td><td><m[< td=""></m[<></td></mda<>		<m[< td=""></m[<>
St	XA21619	Air	22-Mar	<mda< td=""><td></td><td>0.631</td><td>8.17E-02</td><td><mda< td=""><td></td><td>0.047</td><td>1.61E-02</td><td><m[< td=""></m[<></td></mda<></td></mda<>		0.631	8.17E-02	<mda< td=""><td></td><td>0.047</td><td>1.61E-02</td><td><m[< td=""></m[<></td></mda<>		0.047	1.61E-02	<m[< td=""></m[<>
e Park	XA21604	Air	22-Mar	<mda< td=""><td></td><td>0.633</td><td>8.20E-02</td><td><mda< td=""><td></td><td><mda< td=""><td></td><td><m[< td=""></m[<></td></mda<></td></mda<></td></mda<>		0.633	8.20E-02	<mda< td=""><td></td><td><mda< td=""><td></td><td><m[< td=""></m[<></td></mda<></td></mda<>		<mda< td=""><td></td><td><m[< td=""></m[<></td></mda<>		<m[< td=""></m[<>
	XA21614	Air	28-Mar	<mda< td=""><td></td><td>0.698</td><td>9.03E-02</td><td><mda< td=""><td></td><td>0.061</td><td>2.12E-02</td><td><m[< td=""></m[<></td></mda<></td></mda<>		0.698	9.03E-02	<mda< td=""><td></td><td>0.061</td><td>2.12E-02</td><td><m[< td=""></m[<></td></mda<>		0.061	2.12E-02	<m[< td=""></m[<>
	XA21615	Air	28-Mar	<mda< td=""><td></td><td>0.591</td><td>7.65E-02</td><td><mda< td=""><td></td><td>0.071</td><td>2.47E-02</td><td><m[< td=""></m[<></td></mda<></td></mda<>		0.591	7.65E-02	<mda< td=""><td></td><td>0.071</td><td>2.47E-02</td><td><m[< td=""></m[<></td></mda<>		0.071	2.47E-02	<m[< td=""></m[<>

				N	IPP Collecte	d Air Sampli	ng	Results as o	of April 1, 20	11				_		
		Sample	Date		Be-7	1 yr Dose		K-40	1 yr Dose		C0-60	1 yr Dose		-131	1 yr Dose	Cs-1
ocation	Sample ID	Туре	Collected		(pCi/m3)	(mrem)		(pCi/m3)	(mrem)		(pCi/m3)	(mrem)		(pCi/m3)	(mrem)	(pCi/r
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nce of Cobalt-60 was detected on the air sample cartridge, it was not detected on the air sample filter. The cartridge and filter are being submitted to a commercial laboratory for re-analysis. In Minimum Detectable Activity

			S	C DHEC Preci	pitation Samp	ling Results a	s of April 1, 2	011				
		Sample	Date	Be-7	1 yr Dose	K-40	1 yr Dose	C0-60	1 yr Dose	I-131	1 yr Dose	(s-1
ocation	Sample ID	Туре	Collected	(pCi/L)	(mrem)	(pCi/L)	(mrem)	(pCi/L)	(mrem)	(pCi/L)	(mrem)	(pCi/
: Park	XA21618	Precip	29-Mar	<mda< td=""><td></td><td><mda< td=""><td></td><td><mda< td=""><td></td><td>19.8</td><td></td><td><m[< td=""></m[<></td></mda<></td></mda<></td></mda<>		<mda< td=""><td></td><td><mda< td=""><td></td><td>19.8</td><td></td><td><m[< td=""></m[<></td></mda<></td></mda<>		<mda< td=""><td></td><td>19.8</td><td></td><td><m[< td=""></m[<></td></mda<>		19.8		<m[< td=""></m[<>
	XA21637	Precip	29-Mar	48.5		<mda< td=""><td></td><td><mda< td=""><td></td><td>33.2</td><td></td><td><mc< td=""></mc<></td></mda<></td></mda<>		<mda< td=""><td></td><td>33.2</td><td></td><td><mc< td=""></mc<></td></mda<>		33.2		<mc< td=""></mc<>

an Minimum Detectable Activity

From:	LIA04 Hoc
Sent:	Friday, April 01, 2011 2:02 PM
То:	LIA04 Hoc; LIA06 Hoc; LIA08 Hoc; Easson, Stuart; Flannery, Cindy; Lukes, Kim; Maupin,
	Cardelia; Noonan, Amanda; OST05 Hoc; Rautzen, William; Rivera, Alison; Ryan, Michelle;
	Turtil, Richard; Virgilio, Rosetta
Subject:	Ops Center State Liaison Turnover from 4/1/11 (7AM - 2PM EDT)

Changes based on my turnover shift are in dark red.

#### Summary of State Liaison Team from 4/1/11 7AM-2PM SHIFT:

The list below includes actions beginning 3/28 that were either closed or carried over. Flagged Inbox Emails require additional attention.

SL participated in HHS call with States. See notes in previous email or LT log for additional information, PMT supported call. The following issue was raised: What if someone wants to bring contaminated material into a State to decontaminate? PMT provided information regarding required license for imported material. CT and AZ asked this question.

SL received inquiry from Region IV regarding NEI database of sampling at nuclear power plants and whether or not States could access this information. NRC is unable to provide access to States. Ellen Anderson is the appropriate contact at NEI for questions regarding the data. She has indicated that States should stay with current protocol to contact plant POC directly for data.

SL received information regarding White House Briefing of Governors to take place on 04/01/11 at 6PM EDT. (See flagged email and scheduler for additional information.) – Sent reminder e-mail (9:31 a.m.) to State Liaisons that are covering the 2-9 p.m. shift that their participation is needed on that call.

Listened in to the Friday, 4/1/11, HHS Call with the Federal agencies. Nothing significant resulted from the meeting. It was mentioned that the meetings may drop to twice a week, but no final decision has been made yet regarding the frequency of the meetings.

Forwarded (1:26 p.m. 4/1), as FYI, to PMT and OPA contact SC's actual results found from air and rainwater sampling in key spots throughout the state and an internal fact sheet for SC staff and personnel to address questions from the public and media.

#### **ONGOING REQUEST FROM EPA:**

EPA would like us to send any future environmental information to: <u>EQC-Environmental-Unit@epamail.epa.gov</u>. In addition, Mr. Clark indicated that if a State would like to contact EPA directly, they should contact an EPA regional office.

NOTE: NRC has NOT release a RIS and is still referring all questions to EPA.

CORRECTION EMAIL SENT: Correction to the email below. EPA is not collecting information/data from the States. If States have questions regarding radiation data in the United States they should go to : <u>http://www.epa.gov/japan2011/</u>. (Please only pass this information along. There are Q&A on EPA's web site if the States have further questions. EPA is NOT collecting data from the states they are reporting data. I had a call with Ray Clark 202-250-8296 regarding this miscommunication.)

#### Ongoing action for FOIA request information gathering:

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LT Coordinator asked SL Desk to forward all Inbox messages to <u>FOIAResponse.hoc@nrc.gov</u>. (This should populate when you start typing.)

Inbox messages were forwarded from 03/11/11-03/29/11.

During AM shift, please forward all Inbox emails from preceding day. (Tomorrow, 03/31/11, forward 03/30/11 messages.) (AJN forwarded 03/30/11 emails on 03/31 please continue process every morning)

- To forward multiple messages, highlight messages to be forwarded and right click, selecting "Forward Items."
- I included the origin and date of emails in the subject line when sending (for example, "SL Desk 03/16-03/17/11").
- DONE for inbox 3/31/11 e-mails.

#### Current Actions

- No Current Actions due from this shift. See "Continue Actions to Follow-up" 3/28/11 evening shift for pending issue in orange and dark red.
- FYI- Heads up email on misleading HLS Newswire article no action, but M. Weber has requested a "For the Record" news article or blog in response when we get one send to RSLO's however we have not heard from any States about this.

#### Continue Actions to Follow-up

- 3/28/11 evening shift The LT director received announcement from PA regarding elevated I- 131 in rain water. The issue has been sent to the PMT to create a dosing model for an individual consuming 8oz of contaminated rain water in case the NRC receives any questions. The Federal liaison will be sending this press release to the EPA to insure they have received the notice and can craft a response (if necessary). See LIA04 inbox email from LIA06 Hoc received at 7:36pm
- 03/31/11 evening shift SL Received inquiry from RIII RSLO H. Logaras regarding FEMA issued EPZ maps. The following questions were asked:
  - Is it appropriate to depict permanently shut down plants like Zion, Big Rock, LaCrosse and Trojan as having 10 and 50-mile EPZ's?
  - I think the LaCrosse plant is in western Wisconsin rather than central Kansas, and is anything at all left a Trojan?

FEMA is inquiring with HQ and awaiting response (expects new maps tomorrow that do not include decommissioned plants). – Per e-mail sent by FEMA Liaison on 11:31 a.m. on 4/1, waiting for FEMA Headquarters to provide new maps that show accurate EPZ population numbers and only show operating plants.

- 03/31/11 evening shift – SL received inquiry from RI RSLO Doug Tifft regarding 04/04/11 briefing of NH Legislature as to whether or not Oral Statement to be made by Darrell Roberts (RI) needed to be reviewed by OPA. Email sent to Holly Harrington, and awaiting response. – Sent follow-up e-mail to Holly at 9:25 a.m. Holly responded on 9:43 a.m. that she forwarded on the Statement to Region I's public affairs office for review (Neil and Diane). Informed Monica Orendi (who is filling in for Nancy and Doug) of this. Also, sent an e-mail to RSLOs on 11:48 a.m. indicating that the proposed Statement is a good template for future Statements and future Statements can be reviewed by Regional OPAs. DONE

#### STATUS: The analysis from PMT on dose modeling has not been received.

From:	LIA04 Hoc
Sent:	Friday, April 01, 2011 7:17 PM
То:	Easson, Stuart; Flannery, Cindy; LIA04 Hoc; Lukes, Kim; Maupin, Cardelia; Noonan, Amanda; OST05 Hoc; Rautzen, William; Rivera, Alison; Ryan, Michelle; Turtil, Richard;
	Virgilio, Rosetta
Subject:	FYI: Minutes from the 4/1/11 6 PM EDT White House Briefing Call

White House Briefing Call - Friday, April 1, 2011, 6 PM EDT

Introductions......WH IGA

Brief Update of the Situation......DOE/NNSA

- Continuing to monitor aerial and ground monitoring and provide technical support to Japan and the Federal family
- At Japanese request, providing specialized equipment (robotic imaging tools and heavy lift equipment)
- Normal offsite power at 2 & 4, working on restoring power to 1 & 3
- Freshwater cooling to 1, 2, 3; U.S. Navy has helped supply the water
- Based on monitoring flights, ground disposition of isotopes is stable and in decline

Japan Weather Update & Forecast.....NOAA

• No significant rainfall projected in the next week, weak cold front coming

Environmental Monitoring......EPA

- Nationwide radiation monitoring (air, drinking water, milk, rainfall); deployed some units to Pacific basin
- View data on www.epa.gov/japan2011
- Expect miniscule readings of some isotopes, but there is no public health concern for the U.S.

Agriculture/Food Monitoring.....USDA & FDA

- Relying on EPA data, no additional monitoring warranted at this time
- Import alert on Japanese commodities from 4 prefectures near the reactors, expanded by 6 more today (4/1/11)
- Twice HHS weekly calls with the States 5 pm Tuesdays and Thursday

Health Messaging.....CDC

• No need for anyone in U.S. to: take KI, stop milk consumption, or switch to bottled water

Port-of-Entry Monitoring......DHS/CBP

Monitoring travelers and goods at ports of entry

Open Discussion/Questions.....ALL

- Deputy Mayor for Los Angeles Where are the vessels coming in? Any issues with workers unloading/scanning? Is there a review of the vessels departing Japan?
  - Answers: 50% of the vessels are L.A. or Long Beach port. CBP provided training at the ports and have had no issues to date. The process is working. Do not believe there is a systematic check on outbound.

Summary.....WH IGA

- Usa.gov website is a consolidated site for information
- Will continue to set up calls as needed
- May contact the Intergovernmental Affairs Office at the White House at
   (b)(6)

Cl 1034 of 1219

From:	Maier, Bill
Sent:	Friday, April 01, 2011 7:18 PM
То:	Collins, Elmo; Howell, Art; Howell, Linda; Kennedy, Kriss; Pruett, Troy; Vegel, Anton; Caniano, Roy; Cain, Chuck
Cc:	Browder, Rachel; Erickson, Randy; Dricks, Victor; Uselding, Lara; Carson, Louis; Werner, Greg; LIA04 Hoc
Subject:	FW: question from AZ

FYI, the website provided below by Aubrey Godwin contains the results of the State of Arizona's measurements of Iodine 131 in air and milk samples.

**Bill Maier** 

-----Original Message-----From: Aubrey Godwin [mailto:agodwin@azrra.gov] Sent: Friday, April 01, 2011 10:41 AM To: Maier, Bill Subject: RE: question from AZ

Bill:

To see our reported data from this event go to <u>http://www.azein.gov</u>.

Aubrey -----Original Message-----From: Maier, Bill [mailto:Bill.Maier@nrc.gov] Sent: Thursday, March 31, 2011 4:09 PM To: 'judy.kioski@azdema.gov' Cc: Aubrey Godwin; Uselding, Lara; Dricks, Victor; LIA04 Hoc; Andrews, Tom; Browder, Rachel; 'craig.fiore@dhs.gov' Subject: FW: question from AZ

Hi Judy,

NRC is not publicly reporting the results that Palo Verde reports to us. Palo Verde is also reporting to the Nuclear Energy Institute (industry coordinator). My discussions with Aubrey Godwin of ARRA indicated that he is getting Palo Verde's results. Aubrey may be able to offer a technical explanation for any differences in results if those differences are judged to be statistically significant.

For follow-up with NEI to determine how they are distributing/using the data, I was given the following name: Ellen Anderson

The only number that I have seen is NEI's main number in DC: 202.739.8000

I hope this helps.

Bill Maier Regional State Liaison Officer

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NRC Region 4 817-860-8267

-----Original Message-----From: Judy Kioski To: Holly Harrington To: Dricks, Victor Subject: question from AZ Sent: Mar 31, 2011 2:35 PM

Good afternoon, I know that Palo Verde Nuclear Generating Station is reporting their sampling data to the NRC. Is the NRC reporting that data? I know the Palo Verde data sample is different than what was collected from the ARizona Radiation Regulatory Agency. I just want to be prepared if I need to answer the question about why the findings are different. Please advise. Thanks, Judy Judy Kioski Public Information Officer Arizona Division of Emergency Management 5636 E. McDowell Road Phoenix, AZ 85008 work 602-464-6245 cell (b)(6) judy.kioski@azdema.gov

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From:	LIA04 Hoc
Sent:	Friday, April 01, 2011 9:02 PM
То:	ЦА04 Нос; ЦА06 Нос; ЦА08 Нос; Easson, Stuart; Flannery, Cindy; Lukes, Kim; Maupin,
	Cardelia; Noonan, Amanda; OST05 Hoc; Rautzen, William; Rivera, Alison; Ryan, Michelle;
	Turtil, Richard; Virgilio, Rosetta
Subject:	Ops Center State Liaison Turnover from 4/1/11 (2PM - 9PM EDT)

Changes based on the Friday. April 1<sup>st</sup> afternoon/evening shift are in blue.

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#### Summary of State Liaison Team from 4/1/11 2PM-9PM SHIFT:

Flagged Inbox Emails require additional attention. Also, RST and PMT have asked that if we are forwarding requests for information/action from them to please enter it in the task tracker system as well.

Called in to the White House Briefing of Governors on 04/01/11 at 6PM EDT with LT Director and FEMA rep, OPA also on. (See 4/1/11, 7:17 pm email for notes.)

Questions on Japanese ISFSIs from NY through RI RSLO (4/1/11, 2:06 pm) forwarded to RST who put in the task tracker for follow-up next week.

Question on I-131 (4/1/11, 1:56 pm) forwarded to PMT for follow-up. PMT response provided (4/1/11, 3:38 pm) and forwarded to RIII.

#### Ongoing Request from EPA:

NOTE: NRC has NOT released a RIS and is still referring all questions to EPA.

EPA is not collecting information/data from the States. If States have questions regarding radiation data in the United States they should go to : <u>http://www.epa.gov/japan2011/</u>. There are Q&A on EPA's web site if the States have further questions.

#### Response for questions on RADNET data:

The EPA RadNET system (<u>http://www.epa.gov/japan2011/</u>)has been collecting data that shows elevated concentrations of I-131 and Cs-137 from air monitoring stations. (<u>http://www.epa.gov/japan2011/docs/rert/radnet-cart-filter-final.pdf</u>).

The EPA EOC can be contacted at 202-250-8930 for further information or questions.

#### Ongoing action for FOIA request information gathering:

LT Coordinator asked SL Desk to forward all Inbox messages to FOIAResponse.hoc@nrc.gov. (This should populate when you start typing.)

During AM shift, please forward all Inbox emails from preceding day(s). (Monday, 04/04/11, forward 04/01/11-04/03/11 messages.)

- To forward multiple messages, highlight messages to be forwarded and right click, selecting "Forward Items."
- Include the origin and date of emails in the subject line when sending (for example, "SL Desk 03/16-03/17/11").

Current Actions

- No Current Actions due from this shift. See "Follow-up Actions" for pending issues.
- FYI- Heads up email on misleading HLS Newswire article no action, but M. Weber has requested a "For the Record" news article or blog in response when we get one send to RSLO's however we have not heard from any States about this.

#### Follow-up Actions

- 3/28/11 evening shift The LT director received announcement from PA regarding elevated I- 131 in rain water. The issue has been sent to the PMT to create a dosing model for an individual consuming 8oz of contaminated rain water in case the NRC receives any questions. The Federal liaison will be sending this press release to the EPA to insure they have received the notice and can craft a response (if necessary). See LIA04 inbox email from LIA06 Hoc received at 7:36pm. Spoke with the PMT Director who Indicated that PMT wasn't working on a model as far as he knew and there wasn't anything in the Task Tracker. PA Press Release was issued (see 3/29/11 8:18 am email), but no questions have been received to date. PMT considers this closed at this time.
- 03/31/11 evening shift SL Received inquiry from RIII RSLO H. Logaras regarding FEMA issued EPZ maps. The following questions were asked:
  - Is it appropriate to depict permanently shut down plants like Zion, Big Rock, LaCrosse and Trojan as having 10 and 50-mile EPZ's?
  - o I think the LaCrosse plant is in western Wisconsin rather than central Kansas, and is anything at all left a Trojan?

FEMA is inquiring with HQ and awaiting response (expects new maps tomorrow that do not include decommissioned plants). – Per e-mail sent by FEMA Liaison on 11:31 a.m. on 4/1, waiting for FEMA Headquarters to provide new maps that show accurate EPZ population numbers and only show operating plants.

 Questions on Japanese ISFSIs from NY through RI RSLO (4/1/11, 2:06 pm) forwarded to RST who put in the task tracker. FOLLOW-UP ACTION for week of 4/4: Check status of Task 3661 to see if response has been posted and/or email response provided by RST.

From:	LIA04 Hoc
Sent:	Friday, April 01, 2011 11:50 PM
То:	LIA08 Hoc; LIA01 Hoc
Subject:	Japanese Government Action Items and Material Request List (Consortium Call) Rev 04-01 2000 hrs.xlsx
Attachments:	Consortium Call Minutes from 4 1 11 2000.doc; Japanese Government Action Items and Material Request List (Consortium Call) Rev 04-01 2000 hrs.xlsx

Jason:

The first attachment is the updated matrix based on today's call.

Please send this out by 0800 to the distribution list for comment. I would give everyone until about 1500 and then incorporate their responses and resend so that everyone can see the changes made. I recommend a cut off for comments by about 1800 or 1900 so that a hard copy can be shared with the ET prior to the meeting along with the agenda.

I have also attached the meeting minutes which should be sent out as well.

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You could resend the draft agenda for tomorrow's meeting (4/2/11) as well as the minutes tomorrow morning.

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IJ

#### Consortium Call – 4/1/11 20:00

#### Attendees:

- NRC Headquarters Operations Officer
- Kevin Mulligan, INPO
- Rick M Nielsen, INPO
- Randy Trapasso, INPO
- Lt Col. Price, PACOM w/radiation support team
- Lt. Cmdr. Robert Mercer, J4
- Thomas G Vavoso, Naval Reactors
- Alan Blamey, NRC Japan
- Glenn A Southern, Naval Reactors
- Col. Patrick Wall

Item #1: Shipment delay to Japan. Looking at logistics on how to ship items.

Item #15: Will need to work with Embassy to get shipment faster. Contact Ted Gehr, USAID. Cargo weigh is 850 pounds and dimensions are 26" x 56" x 29" for monitors. Joint Forces doesn't have validation from Joint Staff of Japan. Also needs correct logistics on how to process request like this. Embassy should give information to LNO's point of contacts. Col Towne can be reached at (b)(6) or (b)(6). Embassy to bring in additional people to work-out logistics to get items moving. Items in Canada ready for pickup on Tuesday. To transport via C-17 from mid U.S. to Japan is \$250,000 DoD rate and non-DoD but govt mission little over \$400,000. Cargo is 8.5 short tons of gear. Might need to be a special airlift mission to ship cargo via C-17.

Item #20 & 22: Mobil devices on ground - DOE & NRC will follow-up. Leave item open.

Item #18: Sharing raw data with Japan on models.

Item #19: Providing training to Japan. Received 3 requests from Japanese ministries for detectors for screening drinking water and soil samples. Still open.

Item #21: Shipment planned for April 5. DoD to send 2 experts on hardened cameras and robotics to help with training.

Item #22: DoD and NRC will follow-up with Embassy. Embassy needs definition.

Item #23: Leave open.

Item #24: Japan doesn't see need for additional pumps.

Item #25: Covered in item #1.

Item #27: Close, this item is on Embassy's list.

Item #28: Might close.

Item #29: Close, this item is on Embassy's list.

Item #30, 31 & 32: Provided white paper outlining strategy.

Item #33: Not enough information on shielding loads. Planning a meeting with Japan about shielding.

Item #34: Looking for additional source for equipment.

\*\* Next meeting planned for 4/2/11 @ 20:00 (same time tomorrow)

Item#	Action Item Description	Coordinating Agency	Current Status and Expected timing	Status
1	Provide Radiation monitors, survey meters, friskers requested by GoJ (Mr. Hosono)(radiacs) and TEPCo Keisuke Takenaka (hand and foot) monitors. Two locations	NRC Team working with USAID ; INPO, Rick Nielsen	San Onofre to provide Teletectors (several boxes). South Texas to provide one drum and half pallet of equipment. Send to 11601-13, NIshi- jyusanbugyo, Hitachinaka-City,Ibaraki, 311-1206, Japan, phone +81-29-264-2681. Bruce to send 20 hand/foot friskers (850 lb per) to Contact is Keisuki Takanaka 竹中 圭介 [takenaka.keisuke@tepc o.co.jp] to ship to the Narita Airport.	
15	Requests for military air transport	J4/PACOM	PACOM is involved in the review and approval of all requests for military airlift to Japan. Requests should include weight and dimensions of the cargo	Open

Japanese Government Action Items and Material Request List (to be considered during Consortium Calls) \*\* DRAFT\*\*

Page 1 of 16

16	Conduct of aerial survey (for AMS measurements) (sharing of the data and its analysis)	this with the White House; DOE-NNSA and NARAC support, poc DOE EOC, S	AMS flights continue on daily basis in Japan, weather permitting. New model will be developed for Ambassador due 6Apr. Need source term from NRC-PMT and then NARAC will run model. Will need USG clearance before release to GOJ.	
20 & 22	Use of radiation monitoring devices on the ground (mobile and stationary type)	NARAC support,	DOE Ground monitoring activities continue, including joint activities with DoD,	Open
18	Conduct of the simulation by the radiation diffusion model (comparison with the SPEEDI simulation by the Japan side)	DOE & NRC PMT		Open
19	Use of the germanium semiconductor detectors (for measuring the extent to which water and foods are exposed to radiation)	DOE (Sal)		Open

	······		1	
			DOE will be providing	
			one specially outfitted	
			TALON robot with	
			radiation sensing	
			capabilities, three	
			additional radiation	
			sensing packages for	
			use on robotic	
			equipment already	
			provided, 5 specialized	
i			cameras for radiation	
			environments,	
			associated instructions,	
	· · · · ·		and offers of continued	
			technical assistance.	
			Expected to ship by	
			commerical air on 4/5	
			Jay will follow up with a	
			pdf of manifest showing	
ļ			specific items' weight	
21	Use of robotic devices (for monitoring)	DOE/DOD	and dimensions	Open

22	Use of the data (image, level of radiation) obtained by UAVs	DOE and NRC (A .Blamey) to identify the issue and what the minimum need will be to meet this request. DOE; DOD	This item is unclear and should be revised to be actionable, or deleted.	Open
-23	Use of unmanned helicopter (K-MAX)	J4 ??		Open
	Fresh water supply pumps from Bechtel. (Note that this is no longer an INPO action. Bechtel's role was to furnish engineering and source the equipment for movement in Australia. US shipped the equipment, MOD to assemble.)	DOD	First train in Japan	Open
25	Rad meters deleted as it is covered in item #1			<del>Open</del>
27	Use of iodine preparation (iodide of potash) (quantity specification to be discussed later with due consideration of US offer of 1 million bottles)	R. Neilson; USAID??		CLOSED
28	Use of extinguishant / coolant (Nitrogen?)	NRC		Open

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29	Plastic bottles of drinkable water for the infant / baby use	USAID??	USAID to track	CLOSED
30	Temporary holding tanks (for removing contaminated water)	DOE and DOD, DOE-NE pocs S Golub, Monica Regalbuto; DoD Admiral Gregory	DOE-NE is developing contaminated water management proposals for consideration by GoJ. White paper with expertise, equipment and techniques was provided thru Embassy on 31March. Ncludes capture, storage and treatment. DOE (Golub) will contact DoD (Adm. Gregory to coordinate efforts).	Open
31	Tanker trucks as a temporary holding area (for removing contaminated water)	DOE-NE pocs S Golub, Monica Regalbuto	Is being coordinated thru Item #30	Open
32	Investigate whether there is a technology that would absorb contaminated materials from water (for removing contaminated water)	DOE; DOE-NE pocs S Golub, Monica Regalbuto	Is being coordinated thru Item #30	Open

33	Japan asked for NRC expertise on temporary shielding options, to determine whether the NPP Plant buildings are strong enough to hold up under additional pressure	NRC		Open
34	Request for the following: 2100 units – Rad Survey Meters 2500 units – Personal Dosimetery 5100 units – iodine shielding masks	INPO (Neilson) DOE	high priority	Open
2	Information on sources for Gamma Cameras	INPO	No further action; material provided to GoJ. Request has been	Closed
3	Provide Hydraulic (water) Hoses (300-500 meters)	INPO	canceled by Govt of Japan	Closed
4	Provide sources and specifications on Anti C's, respirators, materials.	INPO	Due Date: 3/29/11. Supply chain: Materials sourced; to be obtained commercially. Information sent to GoJ through Al Hochevar	Closed

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	List Tools/methods for moving damaged fuel, plus contacts of those with experience at TMI-2 and		Options provided to GoJ through AI Hochevar on	
6	Chemobyl.	INPO	3/30.	Closed
	Provide strategies for shielding for individual rooms and for the facility in general. List companies that can fabricate and install such shielding.	INPO	options for shielding provided along with photographs of installations and companies	Closed
8	Obtain contact information for industry personnel with experience in handling and disposal of open pools/trenches of high dose rate (>100 R/hr) water. Rcvd Mar 29 from Al Hochevar from Mr. Hosono	INPO	Contacts developed and provided to GoJ through Al Hochevar 3/31/11	Closed
	Assist Westinghouse working on the UAV request and coordinating with Texas A & M expert	INPO	No further INPO action; Westinghouse addressing fully.	Closed
	INPO propose revision 1 to RST Assessment	INPO	Proposal provided to NRC. guidance has been sent to INPO contact in Japan and is being updated (Rev 1) and will be discussed at 1100 hrs call today; will include injection rate- plan and best assessment to plant conditions:	Closed
10	Document. (SAMG Technical Document )	INPO	conditions;	Closed
11	GEH is following up on the Nitrogen purge issue. (same as item 13; suggest deleting item 10)	INPO		Closed
12				Closed

Document is current as of: 11:02 AM

10/2/2012

Japanese Government Action Items and Material Request List (to be considered during Consortium Colls) \*\* DRAFT\*\*

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13	There has been a request from <b>GoJ directly</b> to Pacific Northwest Labs for technical assistance with water decontamination and storage issues (this request is not being coordinated through the NRC. For further information please contact the PNNL Point of Contacts)	DOE/PNNL	PNNL Reps Onishi and Reid have arived in Japan and are actively engaged with GOJ counterparts	Closed
21	Use of robotic devices (for rubble removal)	DOE; DOD; INPO (there is no action for INPO in this.)DOE poc S Golub, DOE-NE, J Tilden, DOE- NNSA		Closed
26	Protective body shielding	??	requested by MISA and MOD	Closed

Document is current as of: 11:02 AM 10/2/2012 Ja

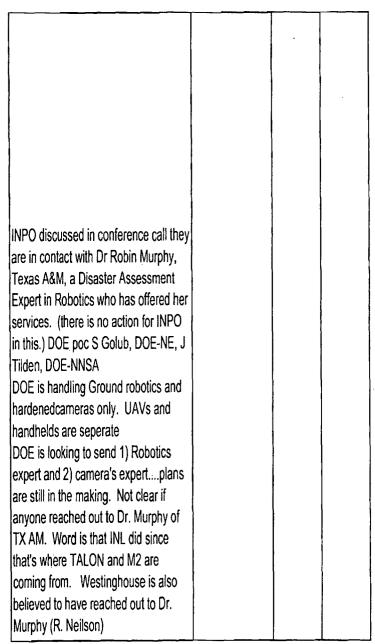
Comments	Orginal Requesting Agency	Target Date	Date Needed
This activity is awaiting authorization or commercial transport for SONGS and STP. Need decision on means of			
transporting Bruce hand/foot friskers. Dimensions of Hand and Foot Monitors			
are 26x56x29. Still looking into ogistics on how items will be shipped. PACOM to forward process for using			
military shipping to Consortium members. Requests must be validated by GOJ for US Forces in			
Japan to act. The bi-lateral crisis action team (Col. Steve Towne/Gen. Krowl at DSN: 224-7717 or 7731	GoJ, Mr. Hosono		
First choice should be commercial			
carrier for timely delivery; should limit requests to materiel that is difficult for			
commercial carriers to deliver. GOJ will need to submit a formal request for			
use of military air for shipments. During the call, it was shared that there is no validated requirement from JT staff or GOJ and this is needed.			

## Document is current as of: 11:02 AM 10/2/2012 Jaj

Japanese Government Action Items and Material Request List (to be considered during Consortium Calls) \*\* DRAFT\*\*

Page 9 of 16

NRC's PMT provided this info to the white house (NITOPS). The feedback was that NITOPS won't task NARAC to run analysis until approval is recived from the White House		
Clarification needed on what is requested. Suggest closing this item pending notification of a specific actionable request from GOJ.		
Already sharing raw data from AMS and the results. Models haven't been shared. Clarification needed between NARAC and Japanese POCs		
One detector has been loaned and training is being conducted with Japan on use of detectors (as told by Sal)		



Page 11 of 16

Follow up action with Japan. Handled seperately from Ground robotics and hardened cameras		
Alan Blamey will work with Japanese embassy officials to re-validate the need for this asset		
There is one train that Is installed. There is no need for further trains. DOD has the appropriate guidance. Alan Blamey will work with Japanese embassy officials to re-validate the need for this asset R Neilson says that second train is in Australia. A. Blamey to determine from Embassy if still needed and to share with R. Neilson so that Bechtel and can be advised		
	 	. <u> </u>
Industry had tablets available, but HHS had liquid tablets that they were to provide. A. Blamey to verify with GOJ. May be caught up in logistics. Coming from USAID and CDC		
A. Blamey to Verify with GOJ what is exactly needed in this request		

On the Embassy list for tracking		
	:	
Develop recommendations for removal of water in basements of Units 1,2 and 3 per Task Traker #3235 S. GolubCoordinatingwith Admiral Gregory's office. In early stages of planning.		
Develop recommendations for removal of water in basements of Units 1,2 and 3 per Task Tracker #3235		
(Secretary Chu reportedly told this to the Japanese) Holchovar- Toshiba may have this. Will inform on next call		

NRC has completed a gross analysis and does not have sufficient information to perform a detailed analysis for shielding. From Cabinet			
Office Crisis Management Team Meeting notes, 3/28/11 A. Blamey to discuss further with Japan		,	
R. Neilson will take the action of sourcing and get back to A. Blamey. A. Blamey will then provide to Ron Cherry and USAID team to cut requestReached out to J. Hubert (expert with DART) on follow-up actions.			
	GoJ, Mr. Hosono		
	GoJ, Mr. Hosono		
GoJ to establish need. Communicated to them that they are payers by Hochevar.	GoJ, Mr. Hosono		

Page 14 of 16

GoJ, Mr. Hosono
GoJ, Mr.
Hosono
Westinghouse
request
RST

Page 15 of 16

Tom Michanon		 
Tom Michener PNNL – DOE Laboratories in WA		
509-375-2162		
Wayne Johnson, Division Director		
PNNL – DOE Laboratories in WA		
509-372-4791		
	Į	
Based on discussions with Embassy K-		
MAX is not needed		
Information provided on body shielding.		
The NRC is currently not procuring any		
body shielding. Alan Blamey will work		
with Japanese embassy officials to re- validate the need for this asset		
		1

Document is current as of: 11:02 AM 10/2/2012 Ja

Japanese Government Action Items and Material Request List (to be considered during Consortium Colls) \*\*DRAFT\*\*

Page 16 of 16

CI 1057 of 1219

From: Sent: To: Subject: Attachments:

LIA04 Hoc Monday, April 04, 2011 8:37 AM FOIA Response.hoc Resource SL Desk 4/1/11 - 4/2/11 FW: ACTION from White House; request to take action to respond to request for info from NY; RE: FOIA folder copies of all emails; FOIA folder copies of all emails; RE: Questions for this afternoon's conference call; FW: Consortium Cal1 4111.doc; FW: Revised List Attached; Daily: 4 New Items from Friday, April 1, 2011; Ops Center State Liaison Turnover from 4/1/11 (2PM - 9PM EDT); FW: question from AZ; FYI: Minutes from the 4/1/11 6 PM EDT White House Briefing Call; RE: I-131 question from Ohio; 04/01/2011 Press Release: Task Force on Japan Events; RE: I-131 question from Ohio; RE: Questions for this afternoon's conference call; RE: I-131 question from Ohio; RE: Questions for this afternoon's conference call; FW: Questions for this afternoon's conference call; NEW TAC'S ASSOCIATED WITH SUPPORTING THE EVENTS IN JAPAN; Ops Center State Liaison Turnover from 4/1/11 (7AM - 2PM EDT); I-131 question from Ohio; FW: Update on DHEC actions and finding; RE: Population maps surrounding the nuclear power plants.; FW: Update on DHEC actions and finding; RE: Population maps surrounding the nuclear power plants.; FW: science facility in Japan; FW: science facility in Japan; RE: Briefing of NH Legislature on 04/04/11; FW: Technological Hazards Division, Daily Roster Japan Earthquake (JE) Team (April 3, 2011 to April 9, 2011); FW: EPZ Maps; RE: Briefing of NH Legislature on 04/04/11; RE: Japan Listserv: White House Briefing Call TOMORROW 6PM ET/3PM PT; FW: NOC Phase 1 - Awareness 0330-11 Update Report 46 - Earthquake - Tsunami - Japan (0600 EDT 1 Apr 11); Map changes; RE: Briefing of NH Legislature on 04/04/11; RE: Briefing of NH Legislature on 04/04/11; RE: Japan Listserv: White House Briefing Call TOMORROW 6PM ET/3PM PT; RE: Japan Listserv: White House Briefing Call TOMORROW 6PM ET/3PM PT

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From: Sent: To:

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LIA02 Hoc Monday, April 04, 2011 9:07 AM LIA04 Hoc; LIA08 Hoc

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http://www.tepco.co.jp/en/index-e.html

#### 

From:	LIA04 Hoc
Sent:	Monday, April 04, 2011 9:08 AM
То:	Tifft, Doug; McNamara, Nancy
Cc:	LIA06 Hoc; LIA08 Hoc; OST05 Hoc
Subject:	FW: Emailing: TEPCO Press Release Plant Status of Fukushima Daiichi Nuclear Power
-	Station (as of 600 PM, April 3).htm
Attachments:	image002.png; image003.png; image004.gif; image005.png; image006.png; image007.gif; image008.png; FW: Questions for this afternoon's conference call

#### Doug and Nancy,

To close the loop on your e-mail from last Friday, I have highlighted a bullet from a TEPCO press release that answers your question. For future reference, the link to TEPCO is http://www.tepco.co.jp/en/index-e.html .

Regards, Cindy

#### \*\*\*\*\*

Cindy Flannery State Liaison – Liaison Team Incident Response Center 301-816-5193 LIA04.HOC@nrc.gov

#### From: LIA02 Hoc Sent: Monday, April 04, 2011 8:56 AM To: LIA04 Hoc; LIA06 Hoc; LIA08 Hoc Subject: Emailing: TEPCO Press Release Plant Status of Fukushima Daiichi Nuclear Power Station (as of 600 PM, April 3).htm

## Press Releases

Press Release (Apr 03,2011) Plant Status of Fukushima Daiichi Nuclear Power Station (as of 6:00 PM, April 3)

Updates are underlined

All 6 units of Fukushima Daiichi Nuclear Power Station have been shut down.

Unit 1 (Shut down)
-Explosive sound and white smoke were confirmed after the big quake
occurred at 3:36 pm on March 12th. It was assumed to be hydrogen
explosion.
-At approximately 2:30 am on March 23rd, seawater injection to the nuclear

reactor through the feed water system was initiated.

- -At approximately 10:50 am on March 24th, white fog-like steam arising from the roof part of the reactor building was observed.
- -We had been injecting seawater into the reactor, but from 3:37 pm on March 25th, we started injecting freshwater.
- -We had been injecting fresh water to the reactor using fire engines; however we switched over utilizing temporary electrical pump at 8:32 am on March 29th.
- -Some of turbine building lights were turned on April 2nd.
- -We injected fresh water to the reactor by a temporary motor driven pump, but, from 10:42am to 11:52am on April 3rd we temporarily switched the pump to the fire fighting pump to inject fresh water to use power through off-site transmission line. We're now injecting fresh water to the reactor by a motor driven pump powered by off-site transmission line.

#### Unit 2 (Shut down)

- -At approximately 6:00 am on March 15th, an abnormal noise began emanating from nearby Pressure Suppression Chamber and the pressure within the chamber decreased.
- -We have been injecting seawater into the reactor, but from 10:10 am on March 26th, we started injecting freshwater (with boric acid). -We had been injecting fresh water in to the reactor utilizing fire pump,
- however, we switched over to utilizing temporary electrical pump from 6:31 pm on March 27th.
- -Some of turbine building lights were turned on April 2nd.
- -We injected fresh water to the reactor by a temporary motor driven pump, but, from 10:22am to 0:06pm on April 3rd, we temporarily switched the pump to the fire fighting pump to inject fresh water to use power through off-site transmission line. We're now injecting fresh water to the reactor by a motor driven pump powered by off-site transmission line.

#### Unit 3(Shut down)

- -Explosive sound and white smoke were confirmed at 11:01am March 14th. It was assumed to be hydrogen explosion.
- -We had been injecting seawater into the reactor pressure vessel, but from 6:02 pm on March 25th, we started injecting freshwater.
- -We had been injecting fresh water in to the reactor utilizing fire pump, however, we switched over to utilizing temporary electrical pump from 8:30 pm on March 28th.
- -Some of turbine building lights were turned on April 2nd.
- -We injected fresh water to the reactor by a temporary motor driven pump, but, from 10:03am to 0:16pm on April 3rd, we temporarily switched the pump to the fire fighting pump to inject fresh water to use power through off-site transmission line. We're now injecting fresh water to the reactor by a motor driven pump powered by off-site transmission line.

#### Unit 4 (outage due to regular inspection)

- -At approximately 6 am on March 15th, we confirmed the explosive sound and the sustained damage around the 5th floor rooftop area of the Nuclear Reactor Building.
- -Some of turbine building lights were turned on  $\underline{March 31st}$  .
- -At this moment, we do not consider any reactor coolant leakage inside the reactor happened.

#### Unit 5 (outage due to regular inspection)

- -Sufficient level of reactor coolant to ensure safety is maintained. -At 5 am, March 19th, we started the Residual Heat Removal System Pump (C) in order to cool the spent fuel pool.
- -At 2:30 pm, March 20th, the reactor achieved reactor cold shutdown. At around 5:24 pm on March 23rd, when we switched the temporary Residual Heat Removal System Seawater Pump, it has stopped automatically. At around 4:14 pm, March 24th we replaced the pump, and restarted cooling of

reactor at around 4:35 pm.

-At this moment, we do not consider any reactor coolant leakage inside the reactor happened.

#### Unit 6 (outage due to regular inspection)

-Sufficient level of reactor coolant to ensure safety is maintained. -At 10:14 pm, March 19th, we started the Residual Heat Removal System Pump (B) of Unit 6 in order to cool the spent fuel pool.

-At 7:27 pm, March 20th, the reactor achieved reactor cold shutdown.

-In relation to the two seawater side pumps of the Residual Heat Removal System, we switched the power source from temporary to permanent at 3:38 PM and 3:42PM, Mar 25 respectively.

-At this moment, we do not consider any reactor coolant leakage inside the reactor happened.

#### Today's work for cooling the spent fuel pools

-Water spray by the concrete pump truck to Unit 4 started at 5:14 pm. -We are considering further spraying subject to the conditions of spent fuel pools.

#### Draining water from underground floor of turbine buildings

-In regard with transferring water from a condensate storage tank to a suppression pool water surge-tank in unit 1, the work began at 1:55 pm April 3rd.

-Water transfer from a condenser to a condensate storage tank in unit 2, began at approximately 5:10 pm, April 2nd.

#### Casualties

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-Presence of 2 TEPCO employees at the site is not confirmed on March 11th. -On March 24th, it was confirmed that 3 workers from cooperative companies who were in charge of cable laying work in the 1st floor and the underground floor of turbine building were exposed to the radiation dose of more than 170 mSv. 2 of them were confirmed that their skins on legs were contaminated. After they were decontaminated, since there was a possibility of beta ray burn injury, they were transferred to Fukushima Medical University Hospital. The third worker was also transferred to Fukushima Medical University Hospital on March 25th. Later, the 3 workers were transferred to National Institute of Radiological Sciences in Chiba Prefecture. They all left the hospital on March 28th. Regarding this event, TEPCO has reported to the related government ministries and agencies on measures to be taken to assure appropriate radiation dose control and radiation exposure related operations. We will inform the related parties of countermeasures and continue to take all possible measures to future management.

#### Others

-We measured radioactive materials (iodine etc.) inside of the nuclear power station area (outdoor) by monitoring car and confirmed that radioactive materials level is getting higher than ordinary level. As listed below, we have determined that specific incidents stipulated in article 15, clause 1 of Act on Special Measures Concerning Nuclear Emergency Preparedness (Abnormal increase in radiation dose measured at site boundary) have occurred.

```
    Determined at 4:17 pm Mar 12th (Around Monitoring Post 4)
    Determined at 8:56 am Mar 13th (Around Monitoring Post 4)
    Determined at 2:15 pm Mar 13th (Around Monitoring Post 4)
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· Determined at 3:50 am Mar 14th (Around Monitoring Post 6 )
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    Determined at 4:15 am Mar 14th (Around Monitoring Post 2)
    Determined at 9:27 am Mar 14th (Around Monitoring Post 3)
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Determined at 0.27 an Mar 14th (Bround Bonicoring PO
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    Determined at 9:37 pm Mar 14th (Around main entrance )
    Determined at 6:51 am Mar 15th (Around main entrance )
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· Determined at 8:11 am Mar 15th (Around main entrance )
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· Determined at 4:17 pm Mar 15th (Around main entrance ) · Determined at 11:05 pm Mar 15th (Around main entrance ) • Determined at 8:58 am Mar 19th (Around MP5) From now on, if the measured figure fluctuates and goes above and below 500 micro Sv/h, we deem that as the continuous same event and will not regard that as a new specific incidents stipulated in article 15, clause 1 of the Act on Special Measures Concerning Nuclear Emergency Preparedness (Abnormal increase in radiation dose measured at site boundary) has occurred. In the interim, if we measure a manifestly abnormal figure and it is evident that the event is not the continuous same event, we will determine and notify. -The national government has instructed evacuation for those local residents within 20km radius of the periphery and evacuation to inside for those residents from 20km to 30km radius of the periphery, because it is possible that radioactive materials are discharged. -At around 10:37 am March 21st, water spraying to common spent fuel pool and finished at 3:30 pm (conducted by TEPCO). -At around 3:37 pm, March 24th, electricity supply to common spent fuel pool has started from external power source. At around 6:05 pm, fuel pool cooling pump was started to cool the pool. -We found no signs of abnormal situation for the casks by visual observation during the patrol activity. A detailed inspection is under preparation. -At Units 5 and 6, in order to prevent hydrogen gas from accumulating within the buildings, we have made three holes on the roof of the reactor building for each unit. -In total 12 fire engines are lent for the water spraying to the spent fuel pools and water injection to the nuclear reactors by various regional fire departments' as well as Tokyo Fire Department. Also, instruction regarding the setting and operation of large scale decontamination system was provided by Niigata City Fire Headquarter and Hamamatsu City Fire Headquarter. \*: Koriyama Fire Department, Iwaki Fire Brigade Headquarters, Fire Headquarters of Sukagawa District Wide Area Fire-fighting Association, Yonezawa City Fire Headquarters, Utsunomiya City Fire Headquarters, Fire Headquarters of Aizu-Wakamatsu wide area municipal association, Saitama City Fire Bureau, and Niigata City Fire Bureau. -By March 22nd, Units 1 through 6 were started to be energized from the external power source. -At around 11:35 am April 1st, a worker fell into the sea when he got into a barge of the U.S. Forces to repair a hose of the ship. The worker was rescued immediately, and was not injured and not contaminated. The worker will be checked using the whole-body counter to ensure his health. -The second barge of the U.S. Forces with freshwater to be used to cool down the reactors etc. was towed by a ship of Maritime Self-Defense Force and came alongside the pier at 9:10 am on April 2nd. We began to replenish the filtrate tanks with water of a barge (the first barge) at around 10:20 am on April 2nd and continued until 4:40 pm. -We began to transfer fresh water from the second barge to the first barge on April 3rd at 9:52 am and continued until 11:15 am on April 3rd. -We also began to transfer the radioactive water we collected from the building of Radioactive Waste Treatment Facilities to the Unit 4 turbine building. -Today at around 9:30 am, we detected water containing radiation dose overc 1,000 mSv/h in the pit\* where supply cables are stored near the intake channel of Unit 2. Furthermore, there was a crack about 20 cm on the concrete lateral of the pit, from where the water in the pit was out flowing. (We already informed.) During the same day, we injected fresh concrete to the pit, but we could not observe a reduction in the amount of water spilling from the pit to the sea. Therefore, we considered that a new method of stopping the water and

determined to use the polymer. Necessary equipment and experts of water shutoff will be dispatched to the site and after checking the condition, we're doing continuous work to stop water by injecting polymer(April 3rd). -Monitoring posts of No. 1 ?No.8 set up near the boundary of power station area have been restored. We will periodically monitor the data and announce the results of monitoring. -We will continue to take all measures to ensure the safety and to continue monitoring the surrounding environment around the Power Station.

#### Electro sega lap

From:LIA04 HocSent:Monday, April 04, 2011 2:07 PMTo:Easson, Stuart; Flannery, Cindy; LIA04 Hoc; Lukes, Kim; Maupin, Cardelia; Noonan,<br/>Amanda; OST05 Hoc; Rautzen, William; Rivera, Alison; Ryan, Michelle; Turtil, Richard;<br/>Virgilio, RosettaSubject:Ops Center State Liaison Turnover from 4/4/11 (7AM - 2PM EDT)

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Changes based on the Monday, April 3<sup>rd</sup> morning shift are in blue.

## Summary of State Liaison Team from 4/3/11 7AM-2PM SHIFT:

Flagged Inbox Emails require additional attention. Also, RST and PMT have asked that if we are forwarding requests for information/action from them to please enter it in the task tracker system as well.

A response to questions on Japanese ISFSIs from NY through RI RSLO (4/1/11, 2:06 pm) was provided to RI. This item was closed in the task tracker (Task No. 3661). No further action is required.

All incoming e-mails from Friday, April 1 through Sunday, April 3 was forwarded to FOIAResponse.hoc@nrc.gov\_

FYI – The 11:00 am M/W/F call lead by HHS (ESF-8 Conference Call) has been changed to Tuesdays and Fridays.

## Ongoing Request from EPA:

NOTE: NRC has NOT released a RIS and is still referring all questions to EPA.

EPA is not collecting information/data from the States. If States have questions regarding radiation data in the United States they should go to : <u>http://www.epa.gov/japan2011/</u>. There are Q&A on EPA's web site if the States have further questions.

### Ongoing action for FOIA request information gathering:

LT Coordinator asked SL Desk to forward all Inbox messages to FOIAResponse.hoc@nrc.gov. (This should populate when you start typing.)

During AM shift, please forward all Inbox emails from preceding day(s). (Monday, 04/04/11, forward 04/01/11-04/03/11 messages.)

- To forward multiple messages, highlight messages to be forwarded and right click, selecting "Forward Items."
- Include the origin and date of emails in the subject line when sending (for example, "SL Desk 03/16-03/17/11").

### Current Actions

- No Current Actions due from this shift. See "Follow-up Actions" for pending issues.
- FYI- Heads up email on misleading HLS Newswire article no action, but M. Weber has
  requested a "For the Record" news article or blog in response when we get one send to
  RSLO's however we have not heard from any States about this.

### Follow-up Actions

,

- 03/31/11 evening shift SL Received inquiry from RIII RSLO H. Logaras regarding FEMA issued EPZ maps. The following questions were asked:
  - Is it appropriate to depict permanently shut down plants like Zion, Big Rock, LaCrosse and Trojan as having 10 and 50-mile EPZ's?
  - I think the LaCrosse plant is in western Wisconsin rather than central Kansas, and is anything at all left a Trojan?

FEMA is inquiring with HQ and awaiting response (expects new maps tomorrow that do not include decommissioned plants). – Per e-mail sent by FEMA Liaison on 11:31 a.m. on 4/1, waiting for FEMA Headquarters to provide new maps that show accurate EPZ population numbers and only show operating plants.

From:Turtil, RichardSent:Monday, April 04, 2011 5:59 PMTo:LIA04 HocSubject:RE: Anticipating a question ahead of the End of Cycle Meeting

the terms in the approximation of the second second

Thanks! Keep it up.

rich

From: LIA04 Hoc Sent: Monday, April 04, 2011 5:29 PM To: Turtil, Richard Subject: RE: Anticipating a question ahead of the End of Cycle Meeting

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I've gotten some info that Holly Harrington has already created a "canned" response to this question. Hopefully she will get back to me shortly.

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From: Turtil, Richard
Sent: Monday, April 04, 2011 4:16 PM
To: LIA04 Hoc
Cc: Virgilio, Rosetta; McGrady-Finneran, Patricia; Logaras, Harral
Subject: RE: Anticipating a question ahead of the End of Cycle Meeting

Have you shared this with the RST? I'd walk it over there and engage in some dialogue (as opposed to emailing it.) See what is suggested. Also, remind me: who is the Prairie Island PM here at HQ? Harral / Allan will know the answer. Probably on Harral's cc. Might benefit from giving him a call and/or e-mailing him, too.

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Rich 415-2308

From: LIA04 Hoc
Sent: Monday, April 04, 2011 3:50 PM
To: Turtil, Richard
Subject: FW: Anticipating a question ahead of the End of Cycle Meeting

Rich,

Can you point this request in the right direction?

From: Logaras, Harral Sent: Monday, April 04, 2011 3:16 PM To: LIA04 Hoc Cc: Plasse, Richard; Wrona, David; Keegan, Elaine; Zurawski, Paul; Barker, Allan; Heck, Jared Subject: Anticipating a question ahead of the End of Cycle Meeting

Dear State Liaison,

Between April 4, 2011 and April 14, 2011 we are holding four End of Cycle public meetings and next week we are holding one for the Prairie Island Nuclear Generating Plant. In preparation for that activity, I would like to ask if we have developed a response to a line of questioning such as the following.

Will (or How will) the events in Japan affect license renewal for Prairie Island?

Thank you for your attention.

Sincerely,

Harral Logaras U. S. NRC Region III Regional Government Liaison 630-829-9659

Link to the Award Winning NRC Information Digest <u>http://www.nrc.gov/reading-rm/doc-</u>collections/nuregs/staff/sr1350/v22/sr1350v22.pdf

Link to NRC Fact Sheets and Brochures http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/

From: LIA04 Hoc Sent: Monday, April 04, 2011 6:37 PM Logaras, Harral Turtil, Richard; OST05 Hoc; LIA04 Hoc Subject: RE: Anticipating a question ahead of the End of Cycle Meeting

Harral,

To:

Cc:

Thank you for your question. To let you know, I looked (unsuccessfully) in the NRR SharePoint FAQ database then forwarded your message to both the RST and to Holly Harrington (who I was told may have already crafted wording to a similar question). If I don't get a response back this evening, I will be sure to mention this in the turnover update for the morning shift.

Regards, Stuart Easson State Liaison – Liaison Team **Incident Response Center** 301-816-5193 LIA04.HOC@nrc.gov

براير الارالة المريبينية محرابة المحادر بمحددية الشيابي From: Logaras, Harral

Sent: Monday, April 04, 2011 3:16 PM **To:** LIA04 Hoc Cc: Plasse, Richard; Wrona, David; Keegan, Elaine; Zurawski, Paul; Barker, Allan; Heck, Jared Subject: Anticipating a question ahead of the End of Cycle Meeting

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From:	LIA04 Hoc
Sent:	Monday, April 04, 2011 8:54 PM
То:	LIA04 Hoc; Easson, Stuart; Flannery, Cindy; Lukes, Kim; Maupin, Cardelia; Noonan,
	Amanda; OST05 Hoc; Rautzen, William; Rivera, Alison; Ryan, Michelle; Turtil, Richard; Virgilio, Rosetta; OST05 Hoc
Subject:	Ops Center State Liaison Turnover from 4/4/11 (2PM-9PM EDT)

## Open action items from 4/4/11 evening shift

An email was received from Harral at 3:16PM asking if the NRC has crafted talking points regarding how the events in Japan affect license renewal for Prairie Island. The request was sent to the RST and PA (Holly Harrington) who is thought to have crafted language previously on this question. No response has yet been received from either the RST or PA. Morning shift, please follow up and get back to Harral Logaras.

### Summary of State Liaison Team from 4/3/11 7AM-2PM SHIFT:

Flagged Inbox Emails require additional attention. Also, RST and PMT have asked that if we are forwarding requests for information/action from them to please enter it in the task tracker system as well.

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Current Actions

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- FYI- Heads up email on misleading HLS Newswire article no action, but M. Weber has requested a "For the Record" news article or blog in response when we get one send to RSLO's however we have not heard from any States about this.

## Follow-up Actions

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  - I think the LaCrosse plant is in western Wisconsin rather than central Kansas, and is anything at all left a Trojan?

FEMA is inquiring with HQ and awaiting response (expects new maps tomorrow that do not include decommissioned plants). – Per e-mail sent by FEMA Liaison on 11:31 a.m. on 4/1, waiting for FEMA Headquarters to provide new maps that show accurate EPZ population numbers and only show operating plants.

From:	Maier, Bill
Sent:	Monday, April 04, 2011 9:24 PM
То:	LIA04 Hoc; Turtil, Richard; Virgilio, Rosetta
Cc:	Shannon, Michael; Elkmann, Paul; Howell, Art; Howell, Linda; Collins, Elmo; Vegel,
	Anton; Fiore, Craig; Easson, Stuart
Subject:	FW: County Health Officer Contact Request

TARGET AND AND AND A DATA AND A DA

I contacted the Ventura County Health Officer named below on March 30<sup>th</sup> and discussed the general principles of 10 mile and 50 mile emergency planning zones. I avoided any discussion of what doses would be in his county for a Diablo Canyon worst case condition release scenario.

He had evidently thought a great deal about whether or not a Fukushima or Chernobyl scenario could have an impact on Ventura Co. if it occurred at Diablo Canyon. One design area that I touched on was the general differences between US commercial nuclear reactors and the Soviet RBMK design (graphite vs. water moderator and containment design).

His most pressing question was whether or not he needed to have some sort of EP planning basis (e.g., canned public messages). I identified the State of California as a valuable partner to consult in making that decision, given the state's role of providing protective action recommendations to the potentially affected counties. I also advised that Ventura county contact the power plant staff to get as much information from them to make an informed decision of whether or not to adopt some preliminary planning features in the event of a release of radioactive material from the Diablo Canyon power plant.

I provided contact information for a manager in CA Emergency Management Agency and the offsite emergency planner at Diablo Canyon Nuclear Power Plant. The power plant emergency planner informed me that she and a San Luis Obisoo County official planned for an upcoming visit with Ventura County Health Dept. to conduct further discussions.

This should close out the final action for this request on the FSME SharePoint site.

**Bill Maier** 

From: ralsop@co.slo.ca.us [mailto:ralsop@co.slo.ca.us] Sent: Sunday, March 20, 2011 6:33 PM To: Maier, Bill Subject: County Health Officer Contact Request

Hi, Bill -

I do not know what entity to request this of however PG&E suggested the NRC, which seems appropriate and the only entity I can think of to refer this to ... The Ventura County Public Health Officer called with questions regarding the impact on Ventura County from an accident at Diablo Canyon. I explained the EPZ, our related plans, no anticipated effect on Ventura County as foreseen but never-say-never, he asked about specific scenarios, including if all barriers are removed and their is release, etc. When he got to that point I could no longer help him - he asked if there are people who do know the answer to a scenario of a release with no plant barriers remaining. Can you have someone give him a call???? ???

His contact info: Bob Levin, County Health Officer, Ventura County; (805) 444-2408 or (805) 794-1565 or (805) 646-9086.

Thank you, Bill.

Ron

Ron Alsop Principal Administrative Analyst Emergency Services Manager (805) 781-5011

[Scanned @co.slo.ca.us]

CI 1073 of 1219

From: Sent: To: Subject: Attachments: LIA04 Hoc Tuesday, April 05, 2011 7:33 AM FOIA Response.hoc Resource SL Desk 4/4/11

FW: Link to Good Photos of the Fukushima Daiichi Site. Note the location of the fire trucks; RE: IMPORTANT: 2011 Japan Response State Coordination Conference Call (formerly ASTHO call) Changes; FW: Anticipating a question ahead of the End of Cycle Meeting; FW: County Health Officer Contact Request; Daily: S New Items from Monday, April 4, 2011; Ops Center State Liaison Turnover from 4/4/11 (2PM-9PM EDT); RE: Anticipating a question ahead of the End of Cycle Meeting; FW: IMPORTANT: 2011 Japan Response State Coordination Conference Call (formerly ASTHO call) Changes; RE: Anticipating a question ahead of the End of Cycle Meeting; FW: State Coordination Conference Calls (formerly the "ASTHO" calls) ; Test (eom); RE: Anticipating a question ahead of the End of Cycle Meeting; IMPORTANT: 2011 Japan Response State Coordination Conference Call (formerly ASTHO call) Changes; Ops Center State Liaison Turnover from 4/4/11 (7AM - 2PM EDT); Untitled; Emailing: TEPCO Press Release Plant Status of Fukushima Daiichi Nuclear Power Station (as of 600 PM, April 3).htm

Forwarding e-mails in the In-box from 4/4/11.

From: Sent: To: Subject: LIA04 Hoc Tuesday, April 05, 2011 8:36 AM RST01 Hoc RE: Anticipating a question ahead of the End of Cycle Meeting

I am just following up on the status of this request.

Thanks,

Kim Lukes State Liaison NRC HQ Operations Center 301-816-5193

From: RST01 Hoc Sent: Monday, April 04, 2011 9:32 PM To: LIA04 Hoc Subject: FW: Anticipating a question ahead of the End of Cycle Meeting

and the second second

Per our discussion ~1800 on 4/4, I sent the request to Brian Holian, Director of Division of License Renewal, NRR for review.

From: RST01 Hoc
Sent: Monday, April 04, 2011 8:09 PM
To: Holian, Brian
Subject: FW: Anticipating a question ahead of the End of Cycle Meeting

Brian,

The question below from the Region III government liaison seems like something for DLR to answer. I could give the canned answer that I've seen below, but I thought you might want to have your division comment.

The U.S. nuclear energy industry and the Nuclear Regulatory Commission will analyze the events at Fukushima Daiichi, identify lessons learned and incorporate those lessons, as appropriate, into the design and operation of U.S. nuclear power plants.

The U.S. industry routinely incorporates lessons learned from operating experience into its reactor designs and operations. For example, as a result of the 1979 accident at Three Mile Island, the industry learned valuable lessons about hydrogen accumulation inside containment. After Three Mile Island, many boiling water reactors implemented a modification referred to as a hardened vent or direct vent. This allows the plant to vent primary containment via high pressure piping. This precludes over-pressurization of containment.

## Thanks,

Brett RST Coordinator

From: Logaras, Harral Sent: Monday, April 04, 2011 3:16 PM To: LIA04 Hoc Cc: Plasse, Richard; Wrona, David; Keegan, Elaine; Zurawski, Paul; Barker, Allan; Heck, Jared Subject: Anticipating a question ahead of the End of Cycle Meeting

Dear State Liaison,

Between April 4, 2011 and April 14, 2011 we are holding four End of Cycle public meetings and next week we are holding one for the Prairie Island Nuclear Generating Plant. In preparation for that activity, I would like to ask if we have developed a response to a line of questioning such as the following.

Will (or How will) the events in Japan affect license renewal for Prairie Island?

Thank you for your attention.

Sincerely,

Harral Logaras U. S. NRC Region III Regional Government Liaison 630-829-9659

Link to the Award Winning NRC Information Digest <u>http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1350/v22/sr1350v22.pdf</u>

Link to NRC Fact Sheets and Brochures http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/

From:	Harrington, Holly
Sent:	Tuesday, April 05, 2011 9:14 AM
То:	LIA04 Hoc
Cc:	Turtil, Richard; OST05 Hoc
Subject:	RE: Anticipating a question ahead of the End of Cycle Meeting

As far as I know, HQ has not created responses to questions specific to license renewal at individual plans. I've cc'd Vika, from Region III, to see if she has written something up.

In the meantime, I'll see if we can generate a generic response to relicensing questions.

From: LIA04 Hoc Sent: Monday, April 04, 2011 5:28 PM To: Harrington, Holly Cc: Turtil, Richard; OST05 Hoc Subject: FW: Anticipating a question ahead of the End of Cycle Meeting

Holly,

After unsuccessfully looking through the NRR SharePoint FAQ database, I was told you may have created a response to the question below.

Stuart Easson State Liaison – Liaison Team Incident Response Center 301-816-5193 LIA04.HOC@nrc.gov

From: Logaras, Harral Sent: Monday, April 04, 2011 3:16 PM To: LIA04 Hoc Cc: Plasse, Richard; Wrona, David; Keegan, Elaine; Zurawski, Paul; Barker, Allan; Heck, Jared Subject: Anticipating a question ahead of the End of Cycle Meeting

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,

 From:
 Turtil, Richard

 Sent:
 Tuesday, April 05, 2011 9:39 AM

 To:
 LIA04 Hoc

 Subject:
 RE: IMPORTANT: 2011 Japan Response State Coordination Conference Call (formerly ASTHO call) Changes

Thanks.

From: LIA04 Hoc
Sent: Tuesday, April 05, 2011 9:32 AM
To: Turtil, Richard; LIA06 Hoc
Cc: Cool, Donald; Piccone, Josephine; Jackson, Deborah; Virgilio, Rosetta; Ryan, Michelle; Arribas-Colon, Maria; Cuadrado, Leira; Flannery, Cindy; Easson, Stuart; Rivera, Alison; Noonan, Amanda; LIA08 Hoc; LIA01 Hoc; LIA11 Hoc; Hoc, PMT12; ET05 Hoc; ET01 Hoc; ET07 Hoc
Subject: RE: IMPORTANT: 2011 Japan Response State Coordination Conference Call (formerly ASTHO call) Changes

I spoke to PMT and was informed that Scott Flanders, the PMT Director, and/or Steve LaVie, PMT RAAD, will participate.

From: Turtil, Richard
Sent: Tuesday, April 05, 2011 9:18 AM
To: LIA06 Hoc
Cc: LIA04 Hoc; Cool, Donald; Piccone, Josephine; Jackson, Deborah; Virgilio, Rosetta; Ryan, Michelle; Arribas-Colon, Maria; Cuadrado, Leira; Flannery, Cindy; Easson, Stuart; Rivera, Alison; Noonan, Amanda; LIA08 Hoc; LIA01 Hoc; LIA11 Hoc; Hoc, PMT12; ET05 Hoc; ET01 Hoc; ET07 Hoc
Subject: RE: IMPORTANT: 2011 Japan Response State Coordination Conference Call (formerly ASTHO call) Changes

Liaison Team Director:

Do we have an NRC name for tonight's call. Note, too, that DOE is not on tonight's agenda.

Rich

From: LIA06 Hoc
Sent: Monday, April 04, 2011 9:43 PM
To: Turtil, Richard
Cc: LIA04 Hoc; Cool, Donald; Piccone, Josephine; Jackson, Deborah; Virgilio, Rosetta; Ryan, Michelle; Arribas-Colon, Maria; Cuadrado, Leira; Flannery, Cindy; Easson, Stuart; Rivera, Alison; Noonan, Amanda; LIA08 Hoc; LIA01 Hoc; LIA11 Hoc; Hoc, PMT12; ET05 Hoc; ET01 Hoc; ET07 Hoc
Subject: RE: IMPORTANT: 2011 Japan Response State Coordination Conference Call (formerly ASTHO call) Changes

Rich,

I spoke to the ET Director and we agreed that the PMT Director should sit in on these calls to give any status and priority information which is in the NRC's purview. As such, the PMT Director may not be able to fill 2minutes but maybe 15-30 seconds after others have spoken, such as DOE since they have the lead to communicate information to the states regarding monitoring radiation heading toward or over the US. I have discussed this with the PMT and they are adding it to their list of calls to support. PMT has been listening in to these calls.

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

From: Turtil, Richard
Sent: Monday, April 04, 2011 6:27 PM
To: LIA06 Hoc; LIA08 Hoc; LIA01 Hoc; LIA11 Hoc
Cc: LIA04 Hoc; Cool, Donald; Piccone, Josephine; Jackson, Deborah; Virgilio, Rosetta; Ryan, Michelle; Arribas-Colon, Maria; Cuadrado, Leira; Flannery, Cindy; Easson, Stuart; Rivera, Alison; Noonan, Amanda
Subject: FW: IMPORTANT: 2011 Japan Response State Coordination Conference Call (formerly ASTHO call) Changes Importance: High

Liaison Directors:

I received this this afternoon. I had earlier called CDC/HHS and identified myself as the briefer for NRC for Tuesday based on another, separate scheduling invitation. Now, I see guidance below for tomorrow night's call (and for Thursday's call, too), specifically: "Tuesday: Strategic Call for Health Officials

Federal agencies should **designate a senior policy official to provide a brief TWO minute update during this call**. The senior federal official should list current agency priorities; priorities on the horizon, and topics for which State/local input is being sought. The purpose of the Tuesday call is to provide a high level update to state and local partners and encourage **policy-level strategic** information sharing and discussion.

#### Thursday: Tactical/operational Call for Health Officials

The purpose of the Thursday call is to update state and local partners while encouraging **operational/technical discussion** and information sharing. The primary audience for this call includes representatives from ASTHO, Directors of Public Health Preparedness, Radiation Officers, Environmental Directors, Laboratory Directors, and Public Information Officers. **Please designate a Subject Matter Expert from your agency to provide a brief update during this call**.

This being said, I believe someone else should be assigned to speak for NRC at the Tuesday and Thursday calls this week as I'm neither a Senior Policy Official nor a Subject Matter Expert at the NRC.

Rich Turtil

**From:** CDC IMS State Coordination Task Force [mailto:eocstatecoord@cdc.gov] **Sent:** Monday, April 04, 2011 2:38 PM

To: donna.weise@dhs.gov; Turtil, Richard; Ryan, Michelle; LIA04 Hoc; OST05 Hoc; Browder, Rachel; Tupin.Edward@epamail.epa.gov; Bowles.Jack@epamail.epa.gov; KEVIN.Mcaleenan@dhs.gov; Blumenstock, Jim (CDC astho.org); Herrmann, Jack (CDC naccho.org); Lurie, Nicole (OS); Yeskey, Kevin (OS); Kaplowitz, Lisa (OS); Natarajan, Nitin (OS); Vineyard, Michael (OS); Michael, Gretchen (OS); Marinissen, Maria Julia (OS); Sanders, Melissa (OS); Fowler, Erin (OS); Sizemore, Tom (OS); Ball, Harvey J. (OS); Forsha, Joseph D. (OS); Bratcher Bowman, Nikki (OS); Russell, Elizabeth B. (ACF); White, Jonathan D. (ACF); Sadovich, Juliana (ACF); Jones, Robin (ACF); Allred, Phillip M. (Mike) (CDC/ONDIEH/NCEH); Talbert, Todd (CDC/OPHPR/DSLR); Bryant, Jeffrey (Jeff) (CDC/OPHPR/DSLR); Stevens, Sheila (ATSDR/OPPE); 2011 Japan Earthquake (CDC); CDC IMS Current Ops Lead -2; Boedigheimer, Steven F. (CDC/ONDIEH/NCEH); Bushong, Erica L. (CDC/OPHPR/DSLR); Rogers, Barbara A. (CDC/OD/OADP); Doan, Stephanie (CDC/ONDIEH/NCEH); Marrone, Ashley A. (CDC/OID/NCEZID); Davis, Mark A. (CDC/ONDIEH/NCIPC); Jackson, Leeanne (FDA/CFSAN/OCD); Russo, Mark R. (FDA/OC/OCTC); Verbeten, John E. (FDA/ORA/ORO); El Hinnaway, Patricia (OS/OPEO); Howard King, Vinetta M. (FDA/OC/OCTC); Leblanc, Pamela (FDA/CFSAN/OCD); Delancey, Siobhan M. (FDA/OC/OEXA); Muldoon, Molly V. (FDA/OC); Mcdermott, Catherine M. (FDA/ORA/ORO); Karol, Susan (IHS/HQ); Mahon, John (IHS/HQ); Spear, Terri (SAMHSA); Carolyn Hanson **Cc:** CDC IMS State Coordination -2

**Subject:** IMPORTANT: 2011 Japan Response State Coordination Conference Call (formerly ASTHO call) Changes **Importance:** High

## Dear Federal Partner:

**Important Change**: The structure for the 2011 Japan Earthquake **Tuesday/Thursday State Coordination Conference Calls** (formerly the "ASTHO" calls) has changed The new call structure will allow for approximately 30 minutes for brief updates from federal agencies and 30 minutes for questions and answers from participants. Please see below for specific information about each call <u>and</u> a request for the name of the point of contact for your agency who will participate and be responsible for assuring participation by your agency.

## Tuesday: Strategic Call for Health Officials

Federal agencies should **designate a senior policy official to provide a brief TWO minute update during this call**. The senior federal official should list current agency priorities; priorities on the horizon, and topics for which State/local input is being sought. The purpose of the Tuesday call is to provide a high level update to state and local partners and encourage **policy-level strategic** information sharing and discussion. The primary audience for this call includes State Health Officials (ASTHO members), National Alliance for Radiation Readiness (NARR), officials from the Environmental Council of States (ECOS), and the National Public Health Information Coalition (NPHIC).

Each Federal agency representative will have approximately 2 minutes to provide an initial update during the Tuesday call. State/local questions will enable more discussion of the points shared by the federal agencies.

The purpose of the Tuesday call is to share strategic direction and flag issues needing follow up. Questions that arise during the call will receive follow up by the respective federal agencies as appropriate and be closed on the next call and/or followed up through other forums.

## Thursday: Tactical/operational Call for Health Officials

The purpose of the Thursday call is to update state and local partners while encouraging **operational/technical discussion** and information sharing. The primary audience for this call includes representatives from ASTHO, Directors of Public Health Preparedness, Radiation Officers, Environmental Directors, Laboratory Directors, and Public Information Officers. **Please designate a Subject Matter Expert from your agency to provide a brief update during this call**. Thursday tactical calls may function similar to the Tuesday call (approximately 2 minutes for each Federal agency to provide an update) or in advance of the call, a specific topic (e.g., passenger/cargo screening, laboratory testing, etc.) may be selected and a specific federal agency or agencies, asked to provide a 5 minute overview. As in the Tuesday call, most of the call will be devoted to Q & A after initial opening statements.

Please provide the name and contact information (including telephone number) for each individual that will be representing a Federal Agency as soon as possible so we can reach out to them directly as necessary.

An email invitation will be sent promptly with specific calling instructions.

Thanks for your assistance.

From: Sent: To: Subject:

-

Turtil, Richard Tuesday, April 05, 2011 10:00 AM LIA04 Hoc RE: Info Exchange: US Environmental Monitoring Data

Call me 415-2308

From: LIA04 Hoc Sent: Tuesday, April 05, 2011 9:47 AM To: Turtil, Richard Subject: RE: Info Exchange: US Environmental Monitoring Data

Rich,

We just wanted to get the weekly calls right here:

Tuesday - 11:00 a.m. NEI call and 5:00 State Coordination Call

Thursday – 5:00 State Coordination Call

Now, is there a ESF8 Call (call with just the Federal family) on Tuesdays and Fridays? I did not see any call in information for these calls.

From: Turtil, Richard Sent: Tuesday, April 05, 2011 9:31 AM To: LIA04 Hoc Subject: RE: Info Exchange: US Environmental Monitoring Data

See attached. It's tonight and Thurs. I don't want to get this confused with today's 11:00 am call. So: there's today's 11:00 am call which I'm going to listen to, and tonights call (need a <u>senior level NRC rep</u>) and Thursday's call (need an <u>NRC subject matter expert</u>).

Rich

From: LIA04 Hoc Sent: Tuesday, April 05, 2011 9:20 AM To: Turtil, Richard Subject: RE: Info Exchange: US Environmental Monitoring Data

I know PMT is aware of it since they came by this morning asking me for the call-in number, but I will follow-up to see who, exactly, will be participating. Thursday night? Hasn't the Tuesday/Thursday been changed to Tuesday/Friday?

**From:** Turtil, Richard **Sent:** Tuesday, April 05, 2011 9:15 AM **To:** LIA04 Hoc **Subject:** RE: Info Exchange: US Environmental Monitoring Data

LIA04: Yes, I'll be listening today at 11:00.

Any comments from our liaison director/leadership as to who will address tonight's 5:00 call organized by HHS/CDC? They need an NRC Senior Level official tonight, and Subject Matter Expert for Thursday night.

Rich

From: LIA04 Hoc Sent: Tuesday, April 05, 2011 8:55 AM To: Turtil, Richard Subject: RE: Info Exchange: US Environmental Monitoring Data

Rich,

Just letting you know PMT will support the call, so we will really just be in listening mode.

-Kim

From: LIA04 Hoc Sent: Tuesday, April 05, 2011 7:46 AM To: Turtil, Richard Subject: FW: Info Exchange: US Environmental Monitoring Data

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Rich,

The Liaison Director told me about this meeting this morning and indicated that the State Liaison should participate (listening mode). I was just not sure if you wanted to listen in to this call as well since this is a new meeting added to the meeting list?

Thanks,

Kim

## From: LIA04 Hoc

Sent: Tuesday, April 05, 2011 7:41 AM

**To:** Easson, Stuart; Flannery, Cindy; LIA04 Hoc; Lukes, Kim; Maupin, Cardelia; Noonan, Amanda; OST05 Hoc; Rautzen, William; Rivera, Alison; Ryan, Michelle; Turtil, Richard; Virgilio, Rosetta **Subject:** Info Exchange: US Environmental Monitoring Data

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FYI:

I was informed that there is a call, led by NEI, at 11:00-11:30 a.m. EDT to update the status of US environmental radiological monitoring data and to discuss the following:

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1) Sharing of US commercial nuclear power plant data with State agencies

2) Frequency and agenda for future calls

The dial in number is:

719-955-1361

Passcode:

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From:LIA08 HocSént:Tuesday, April 05, 2011 11:23 AMTo:Turtil, Richard; LIA04 Hoc; LIA06 HocSubject:RE: Today's State Conference Call - Japan Response - Please call at 4:45

We got that and are making sure the current PMT Director and Scott are aware...

From: Turtil, Richard Sent: Tuesday, April 05, 2011 11:23 AM To: LIA08 Hoc; LIA04 Hoc; LIA06 Hoc Subject: RE: Today's State Conference Call - Japan Response - Please call at 4:45

Will do. Scott or whomever should call in at 4:45. Thanks.

Rich

From: LIA08 Hoc Sent: Tuesday, April 05, 2011 11:21 AM To: Turtil, Richard; LIA04 Hoc; LIA06 Hoc Subject: RE: Today's State Conference Call - Japan Response - Please call at 4:45

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Hey Rich,

Please respond to Mark Davis to indicate that Scott Flanders will be the PMT Director and that either he or his designee will participate in this evening's call. Copy LIA04, LIA06 and LIA08 on the email. We'll handle it from there is he replies... Thanks,

and a second detter addression of a "Date "a" and the second second

Rani

From: Turtil, Richard Sent: Tuesday, April 05, 2011 11:10 AM To: LIA04 Hoc; LIA06 Hoc; LIA08 Hoc Subject: FW: Today's State Conference Call - Japan Response - Please call at 4:45 Importance: High

Kim: This is about the 5:00 pm call today. Can you help ensure that Scott Flanders or whomever will be speaking this evening, responds to the individual below and informs them that: 1) they (Scott, etc., ) are the call-in person for this evenings call; 2) Rich Turtil is not the call-in person for this evening's call; and 3) Scott WILL call in at 4:45 for the purpose listed below.

Thank you.

Rich

From: CDC IMS State Coordination Task Force [mailto:eocstatecoord@cdc.gov]
Sent: Tuesday, April 05, 2011 10:38 AM
To: Turtil, Richard
Subject: Today's State Conference Call - Japan Response - Please call at 4:45
Importance: High

Hi Rich -

. . . . . .

Steve Boedigheimer, the coordinator of today's call, is asking that participants call in at 4:45 for a little preliminary discussion before opening the lines. Would you please reply to confirm that you'll be able to make it at that time? Thanks so much. Mark

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## Mark A. Davis On Detail to OPHPR/DSLR State Coordination Desk 2011 Japan Response 404.553.7511

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From:	LIA06 Hoc
Sent:	Tuesday, April 05, 2011 11:42 AM
То:	Hoc, PMT12; Flanders, Scott
Cc:	Turtil, Richard; LIA04 Hoc; LIA08 Hoc
Subject:	FW: Today's State Conference Call - Japan Response - Please call at 4:45

**Importance:** 

High

Please be advised that tonight's 5:00 p.m. call will begin at 4:45 p.m.

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

From: Turtil, Richard Sent: Tuesday, April 05, 2011 11:26 AM To: CDC IMS State Coordination Task Force Cc: LIA04 Hoc; LIA06 Hoc; LIA08 Hoc Subject: RE: Today's State Conference Call - Japan Response - Please call at 4:45 Importance: High

Mark:

NRC's Scott Flanders, or his designee, will participate in this evening's call for NRC. (I will not be the speaker.) The NRC participant will call in at 4:45 this evening as you requested.

Rich Turtil 301-415-2308

From: CDC IMS State Coordination Task Force [mailto:eocstatecoord@cdc.gov]
Sent: Tuesday, April 05, 2011 10:38 AM
To: Turtil, Richard
Subject: Today's State Conference Call - Japan Response - Please call at 4:45
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Mark A. Davis On Detail to OPHPR/DSLR State Coordination Desk 2011 Japan Response 404.553.7511 and so a substantial second second

From:Virgilio, RosettaSent:Tuesday, April 05, 2011 11:42 AMTo:Flanders, Scott; LaVie, SteveCc:Turtil, Richard; LIA04 Hoc; OST05 Hoc; LIA08 Hoc; LIA06 Hoc; Hoc, PMT12Subject:FW: IMPORTANT: 2011 Japan Response State Coordination Conference Call (formerly<br/>ASTHO call) Changes

FYI

From: LIA04 Hoc
Sent: Tuesday, April 05, 2011 9:32 AM
To: Turtil, Richard; LIA06 Hoc
Cc: Cool, Donald; Piccone, Josephine; Jackson, Deborah; Virgilio, Rosetta; Ryan, Michelle; Arribas-Colon, Maria;
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From: Turtil, Richard

Sent: Tuesday, April 05, 2011 9:18 AM

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To: LIA06 Hoc

**Cc:** LIA04 Hoc; Cool, Donald; Piccone, Josephine; Jackson, Deborah; Virgilio, Rosetta; Ryan, Michelle; Arribas-Colon, Maria; Cuadrado, Leira; Flannery, Cindy; Easson, Stuart; Rivera, Alison; Noonan, Amanda; LIA08 Hoc; LIA01 Hoc; LIA11 Hoc; Hoc, PMT12; ET05 Hoc; ET01 Hoc; ET07 Hoc

Subject: RE: IMPORTANT: 2011 Japan Response State Coordination Conference Call (formerly ASTHO call) Changes

Liaison Team Director:

Do we have an NRC name for tonight's call. Note, too, that DOE is not on tonight's agenda.

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Sent: Monday, April 04, 2011 9:43 PM
To: Turtil, Richard
Cc: LIA04 Hoc; Cool, Donald; Piccone, Josephine; Jackson, Deborah; Virgilio, Rosetta; Ryan, Michelle; Arribas-Colon, Maria; Cuadrado, Leira; Flannery, Cindy; Easson, Stuart; Rivera, Alison; Noonan, Amanda; LIA08 Hoc; LIA01 Hoc; LIA11 Hoc; Hoc, PMT12; ET05 Hoc; ET01 Hoc; ET07 Hoc
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**Liaison Team Director** 

U.S. Nuclear Regulatory Commission Operations Center

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From: Turtil. Richard

Sent: Monday, April 04, 2011 6:27 PM To: LIA06 Hoc; LIA08 Hoc; LIA01 Hoc; LIA11 Hoc

**Cc:** LIA04 Hoc; Cool, Donald; Piccone, Josephine; Jackson, Deborah; Virgilio, Rosetta; Ryan, Michelle; Arribas-Colon, Maria; Cuadrado, Leira; Flannery, Cindy; Easson, Stuart; Rivera, Alison; Noonan, Amanda **Subject:** FW: IMPORTANT: 2011 Japan Response State Coordination Conference Call (formerly ASTHO call) Changes **Importance:** High

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This being said, I believe someone else should be assigned to speak for NRC at the Tuesday and Thursday calls this week as I'm neither a Senior Policy Official nor a Subject Matter Expert at the NRC.

**Rich Turtil** 

From: CDC IMS State Coordination Task Force [mailto:eocstatecoord@cdc.gov] Sent: Monday, April 04, 2011 2:38 PM

**To:** donna.weise@dhs.gov; Turtil, Richard; Ryan, Michelle; LIA04 Hoc; OST05 Hoc; Browder, Rachel; Tupin.Edward@epamail.epa.gov; Bowles.Jack@epamail.epa.gov; KEVIN.Mcaleenan@dhs.gov; Blumenstock, Jim (CDC astho.org); Herrmann, Jack (CDC naccho.org); Lurie, Nicole (OS); Yeskey, Kevin (OS); Kaplowitz, Lisa (OS); Natarajan, Nitin (OS); Vineyard, Michael (OS); Michael, Gretchen (OS); Marinissen, Maria Julia (OS); Sanders, Melissa (OS); Fowler, Erin (OS); Sizemore, Tom (OS); Ball, Harvey J. (OS); Forsha, Joseph D. (OS); Bratcher Bowman, Nikki (OS); Russell, Elizabeth B. (ACF); White, Jonathan D. (ACF); Sadovich, Juliana (ACF); Jones, Robin (ACF); Allred, Phillip M. (Mike) (CDC/ONDIEH/NCEH); Talbert, Todd (CDC/OPHPR/DSLR); Bryant, Jeffrey (Jeff) (CDC/OPHPR/DSLR); Stevens, Sheila (ATSDR/OPPE); 2011 Japan Earthquake (CDC); CDC IMS Current Ops Lead -2; Boedigheimer, Steven F. (CDC/ONDIEH/NCEH); Bushong, Erica L. (CDC/OIPHPR/DSLR); Rogers, Barbara A. (CDC/OD/OADP); Doan, Stephanie (CDC/ONDIEH/NCEH); Marrone, Ashley A. (CDC/OID/NCEZID); Davis, Mark A. (CDC/ONDIEH/NCIPC); Jackson, Leeanne (FDA/CFSAN/OCD); Russo, Mark R. (FDA/OC/OCTC); Verbeten, John E. (FDA/ORA/ORO); El Hinnaway, Patricia (OS/OPEO); Howard King, Vinetta M. (FDA/OC/OCTC); Leblanc, Pamela (FDA/CFSAN/OCD); Delancey, Siobhan M. (FDA/OC/OEXA); Muldoon, Molly V. (FDA/OC); Mcdermott, Catherine M. (FDA/ORA/ORO); Karol, Susan (IHS/HQ); Mahon, John (IHS/HQ); Spear, Terri (SAMHSA); Carolyn Hanson

Cc: CDC IMS State Coordination -2

**Subject:** IMPORTANT: 2011 Japan Response State Coordination Conference Call (formerly ASTHO call) Changes **Importance:** High

# Dear Federal Partner:

**Important Change:** The structure for the 2011 Japan Earthquake **Tuesday/Thursday State Coordination Conference Calls** (formerly the "ASTHO" calls) has changed The new call structure will allow for approximately 30 minutes for brief updates from federal agencies and 30 minutes for questions and answers from participants. Please see below for specific information about each call <u>and</u> a request for the name of the point of contact for your agency who will participate and be responsible for assuring participation by your agency.

# Tuesday: Strategic Call for Health Officials

Federal agencies should **designate a senior policy official to provide a brief TWO minute update during this call**. The senior federal official should list current agency priorities; priorities on the horizon, and topics for which State/local input is being sought. The purpose of the Tuesday call is to provide a high level update to state and local partners and encourage **policy-level strategic** information sharing and discussion. The primary audience for this call includes State Health Officials (ASTHO members), National Alliance for Radiation Readiness (NARR), officials from the Environmental Council of States (ECOS), and the National Public Health Information Coalition (NPHIC).

Each Federal agency representative will have approximately 2 minutes to provide an initial update during the Tuesday call. State/local questions will enable more discussion of the points shared by the federal agencies.

The purpose of the Tuesday call is to share strategic direction and flag issues needing follow up. Questions that arise during the call will receive follow up by the respective federal agencies as appropriate and be closed on the next call and/or followed up through other forums.

# Thursday: Tactical/operational Call for Health Officials

The purpose of the Thursday call is to update state and local partners while encouraging **operational/technical discussion** and information sharing. The primary audience for this call includes representatives from ASTHO, Directors of Public Health Preparedness, Radiation Officers, Environmental Directors, Laboratory Directors, and Public Information Officers. **Please designate a Subject Matter Expert from your agency to provide a brief update during this call**. Thursday tactical calls may function similar to the Tuesday call (approximately 2 minutes for each Federal agency to provide an update) or in advance of the call, a specific topic (e.g., passenger/cargo screening, laboratory testing, etc.) may be selected and a specific federal agency or agencies, asked to provide a 5 minute overview. As in the Tuesday call, most of the call will be devoted to Q & A after initial opening statements.

Please provide the name and contact information (including telephone number) for each individual that will be representing a Federal Agency as soon as possible so we can reach out to them directly as necessary.

3

An email invitation will be sent promptly with specific calling instructions.

Thanks for your assistance.

Subject:	FW: 2011 Pacific Basin Earthquake/Tsunami ESF-8 Conference Call
Location:	Phone: 877-700-1237 and Passcode: (b)(6) /International TOLL NUMBER:
	1-210-339-7059 Passcode: (b)(6)
Start:	Fri 4/8/2011 11:00 AM
End:	Fri 4/8/2011 12:00 PM
Recurrence:	Weekly
Recurrence Pattern:	every Tuesday and Friday from 11:00 AM to 12:00 PM
Meeting Status:	Accepted
Organizer:	OS Secretarys Operations Center

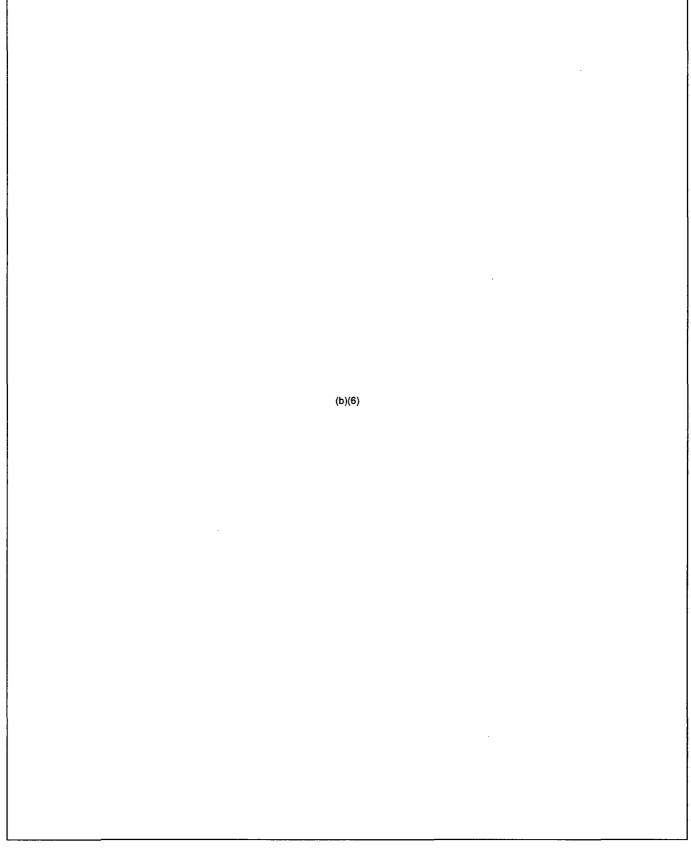
# FYI

C. D. M. C. M. C. M. C. M.

-----Original Appointment-----From: OS Secretarys Operations Center Sent: Tuesday, April 05, 2011 11:33 AM To:

(b)(6)

(b)(6)



(b)(6) **Cc:** 'Woodard, Thomas'; White, Arma (FDA/OC); LIA08 Hoc; Glover, Mark (FDA/ORA); Russell, Elizabeth B (ACF); 'Price, Erik N LTC PACOM, J91'; 'Olson, Maria dG'; Russo, Mark (FDA/OC); MacMullan, Anita (FDA/ORA); Carey, Marsha (HHS/ASPA); Assar, Samir (FDA/CFSAN); LIA01 Hoc; Humbert, Jason (FDA/ORA); Holmes, Joanne M (FDA/CDER); McNeill, Lorrie (FDA/CBER); Malin, Murray (FDA/CDRH); Crowley, Cecilia (Maria) (FDA/CFSAN); Gill, Lillian J. (FDA/CDRH); Sheehan, John (FDA/CFSAN); Woodrome, Anthony (OS/DSI); Glover, Mark (FDA/ORA); Shea, Moira (HHS/ASPR/OPEO) **Subject:** 2011 Pacific Basin Earthquake/Tsunami ESF-8 Conference Call **When:** Friday, April 08, 2011 11:00 AM-12:00 PM (GMT-05:00) Eastern Time (US & Canada). **Where:** Phone: 877-700-1237 and Passcode: (b)(6) //International TOLL NUMBER: 1-210-339-7059 Passcode: (b)(6)

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# ALCON:

NOTE: You have been identified as a supporting entity to HHS and ESF8. Please, ensure that you have a representative participate on the CONCALL denoted below: Thank you again for your support.

2011 Pacific Basin Earthquake/Tsunami ESF-8 Conference Call

# AGENDA (Calls will now be held Tues. and Fri.)

Phone: 877-700-1237 and Pass code: (b)(6) (International Callers) TOLL NUMBER: 1-210-339-7059 PARTICIPANT PASSCODE: (b)(6)

**Objective: Discussion of current response operations and future actions.** 

Japan Weather Updates:

HHS – Opening Comment - Quick summary on any HHS issues/concerns

<u>Regions:</u> R9 update R10 update

EMG Updates:

EMG OPS/FIELD OPS/OFRD OPS EMG Logs EMG Plans EMG A/F Public Affairs CI/KR

Other OPDIVs/STAFF DIVs: FDA update CDC update ACF update

Supporting Agencies: DOS update NRC update USDA update EPA update FAA update OSHA update ARC update Canadian update NORTHCOM update

# Other supporting Agencies update

Questions:

Adjournment & Closing Comments:

Time for the next conference call: 1100EDT, FRIDAY 08Apr11 (Calls will be Tues. and Fri. weekly)

4

From: ANDERSEN, Ralph <rla@nei.org> Sent: Tuesday, April 05, 2011 11:56 AM To: LIA04 Hoc Subject: RE: Follow-up Regarding Info Exchange Meeting on US Environmental Monitoring Data

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Thanks. -

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From: LIA04 Hoc [mailto:LIA04.Hoc@nrc.gov] Sent: Tuesday, April 05, 2011 11:52 AM To: ANDERSEN, Ralph Cc: LIA08 Hoc; Hoc, PMT12; LIA04 Hoc; LIA06 Hoc Subject: Follow-up Regarding Info Exchange Meeting on US Environmental Monitoring Data

Ralph,

As a follow-up from today's information exchange meeting on sharing U.S. environmental monitoring data, please send the call-in information for the next meeting to:

1

LIA04.HOC@nrc.gov LIA06.HOC@nrc.gov LIA08.HOC@nrc.gov PMT12.HOC@nrc.gov

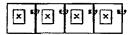
Also, you may send the daily reports that will be provided to CRCPD to LIA04.HOC@nrc.gov as well.

Thank you,

Kim Lukes State Liaison **NRC HQ Operations Center** 301-816-5193



FOLLOW US ON



CI 1094 of 1219

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

#### Sent through mail.messaging.microsofl.com

2

CI 1095 of 1219

From: Sent: To: Subject: Turtil, Richard Tuesday, April 05, 2011 12:03 PM LIA04 Hoc FW: Today's State Conference Call - Japan Response - Please call at 4:45

Fyi...

From: CDC IMS State Coordination Task Force [mailto:eocstatecoord@cdc.gov] Sent: Tuesday, April 05, 2011 11:52 AM To: Turtil, Richard Subject: RE: Today's State Conference Call - Japan Response - Please call at 4:45

Thanks so much, Rich.

From: Turtil, Richard [Richard.Turtil@nrc.gov]
Sent: Tuesday, April 05, 2011 11:25 AM
To: CDC IMS State Coordination Task Force
Cc: LIA04 Hoc; LIA06 Hoc; LIA08 Hoc
Subject: RE: Today's State Conference Call - Japan Response - Please call at 4:45

Mark:

and the second second

NRC's Scott Flanders, or his designee, will participate in this evening's call for NRC. (I will not be the speaker.) The NRC participant will call in at 4:45 this evening as you requested.

Rich Turtil 301-415-2308

From: CDC IMS State Coordination Task Force [mailto:eocstatecoord@cdc.gov] Sent: Tuesday, April 05, 2011 10:38 AM To: Turtil, Richard Subject: Today's State Conference Call - Japan Response - Please call at 4:45 Importance: High

Hi Rich -

Steve Boedigheimer, the coordinator of today's call, is asking that participants call in at 4:45 for a little preliminary discussion before opening the lines. Would you please reply to confirm that you'll be able to make it at that time? Thanks so much. Mark

1

Mark A. Davis On Detail to OPHPR/DSLR State Coordination Desk 2011 Japan Response 404.553.7511 LIA08 Hoc Tuesday, April 05, 2011 12:18 PM LIA04 Hoc LIA06 Hoc RE: Update Recurring Daily Actions and Calls List

Done...

Subject:

From:

Sent:

To:

Cc:

From: LIA04 Hoc Sent: Tuesday, April 05, 2011 11:56 AM To: LIA08 Hoc Subject: Update Recurring Daily Actions and Calls List

Can you please update the Recurring Daily Actions and Calls to reflect that NEI is planning to hold the Info Exchange on US Environmental Monitoring Data on a weekly basis? The next call is scheduled to take place on Tuesday (4/12/11) at 11:00 a.m. EDT.

1

Thanks,

Kim Lukes Staté Liaison NRC HQ Operations Center 301-816-5193 The second second process and the second second

From:	LIA04 Hoc
Sent:	Tuesday, April 05, 2011 12:25 PM
То:	LIA04 Hoc; Easson, Stuart; Flannery, Cindy; Lukes, Kim; Maupin, Cardelia; Noonan,
	Amanda; OST05 Hoc; Rautzen, William, Rivera, Alison; Ryan, Michelle; Turtil, Richard;
	Virgilio, Rosetta
Subject:	RE: Info Exchange: US Environmental Monitoring Data

FYI:

Meeting minutes from today's NEI-led call have been posted on the LT log.

These calls will occur on a weekly basis. The next call is on Tuesday, April 12 at 11:00 a.m. EDT. Call-in information will be sent by NEI to LIA04.

Kim Lukes State Liaison NRC HQ Operations Center 301-816-5193

#### From: LIA04 Hoc

Sent: Tuesday, April 05, 2011 7:41 AM To: Easson, Stuart; Flannery, Cindy; LIA04 Hoc; Lukes, Kim; Maupin, Cardelia; Noonan, Amanda; OST05 Hoc; Rautzen, William; Rivera, Alison; Ryan, Michelle; Turtil, Richard; Virgilio, Rosetta Subject: Info Exchange: US Environmental Monitoring Data

1

FYI:

I was informed that there is a call, led by NEI, at 11:00-11:30 a.m. EDT to update the status of US environmental radiological monitoring data and to discuss the following:

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1) Sharing of US commercial nuclear power plant data with State agencies

2) Frequency and agenda for future calls

The dial in number is:

719-955-1361

Passcode:

(b)(6)

From: Sent: To: Cc: Subject: Turtil, Richard Tuesday, April 05, 2011 1:02 PM Flanders, Scott Ryan, Michelle; LIA04 Hoc; LIA06 Hoc; LIA08 Hoc Tonight's 4:45 call organized by HHS

S. 6. 196. A. 1985

Scott:

I have briefed on this call for NRC on several occasions (it's been a call held every Tuesday and Thursday evening for several weeks now). Michelle Ryan of my staff has also been the NRC speaker at least once. If you'd like a short briefing as to audience, format, general direction of Qs and As, etc., please don't hesitate calling me anytime on office or cell phone.

1

Rich 301-415-2308 Blackberry: (b)(6)

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From: Sent: To: Subject: LIA04 Hoc Tuesday, April 05, 2011 2:08 PM Ryan, Michelle RE: I will be down in the Ops center momentarily

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ok

From: Ryan, Michelle Sent: Tuesday, April 05, 2011 2:07 PM To: LIA04 Hoc Subject: I will be down in the Ops center momentarily

Sorry for the delay.

# Michelle Ryan

Federal, State, and Tribal Liaison Project Manager, USNRC Division of Intergovernmental Liaison and Rulemaking (DILR) Intergovernmental Liaison Branch (ILB) <u>Michelle.Ryan@nrc.gov</u> Phone: (301) 415-1071

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From:	LIA04 Hoc
Sent:	Tuesday, April 05, 2011 2:19 PM
То:	LIA04 Hoc; Easson, Stuart; Flannery, Cindy; Lukes, Kim; Maupin, Cardelia; Noonan, Amanda; OST05 Hoc; Rautzen, William; Rivera, Alison; Ryan, Michelle; Turtil, Richard;
	Virgilio, Rosetta; OST05 Hoc
Subject:	Ops Center State Liaison Turnover from 4/5/11 for the 2PM-9PM EDT shift

My updates to the notes below are in purple.

# Open action items from 4/4/11 evening shift

An email was received from Harral at 3:16PM asking if the NRC has crafted talking points regarding how the events in Japan affect license renewal for Prairie Island. The request was sent to the RST and PA (Holly Harrington) who is thought to have crafted language previously on this question. No response has yet been received from either the RST or PA. Morning shift, please follow up and get back to Harral Logaras. Sent an e-mail followup to find out a status on the request to RST on 8;36 a.m. on 4/5/11. OPA (Holly Harrington) sent a e-mail on 9:14 a.m. (4/5) indicating that they may generate a generic response.

# Summary of State Liaison Team from 4/3/11 7AM-2PM SHIFT:

Flagged Inbox Emails require additional attention. Also, RST and PMT have asked that if we are forwarding requests for information/action from them to please enter it in the task tracker system as well.

A response to questions on Japanese ISFSIs from NY through RI RSLO (4/1/11, 2:06 pm) was provided to RI. This item was closed in the task tracker (Task No. 3661). No further action is required.

All incoming e-mails from Friday, April 1 through Sunday, April 3 was forwarded to FOIAResponse.hoc@nrc.gov\_

FYI – The 11:00 am M/W/F call lead by HHS (ESF-8 Conference Call) has been changed to Tuesdays and Fridays.

Participated in 11-11:30 a.m. NEI led call (4/5/11) to discuss the status of U.S. environmental radiological monitoring data and sharing of U.S. commercial nuclear power plant data with State agencies and frequency and agenda for future calls. Meeting minutes were posted in the LT log. The meetings will occur on a weekly basis. The next call is schedule for April 12 at 11:00 a.m. EDT. Since the NEI-led call conflicts with the ESF-8 call at 11, the LT Director listened in to the ESF-8 call.

#### **Ongoing Request from EPA:**

NOTE: NRC has NOT released a RIS and is still referring all questions to EPA.

EPA is not collecting information/data from the States. If States have questions regarding radiation data in the United States they should go to : <u>http://www.epa.gov/japan2011/</u>. There are Q&A on EPA's web site if the States have further questions.

# **Ongoing action for FOIA request information gathering:**

LT Coordinator asked SL Desk to forward all Inbox messages to <u>FOIAResponse.hoc@nrc.gov</u>. (This should populate when you start typing.)

During AM shift, please forward all Inbox emails from preceding day(s). (Monday, 04/04/11, forward 04/01/11-04/03/11 messages.)

- To forward multiple messages, highlight messages to be forwarded and right click, selecting "Forward Items."
- Include the origin and date of emails in the subject line when sending (for example, "SL Desk 03/16-03/17/11").
- Forwarded e-mails in In-box from 4/4/11.

### Current Actions

- No Current Actions due from this shift. See "Follow-up Actions" for pending issues.
- FYI- Heads up email on misleading HLS Newswire article no action, but M. Weber has requested a "For the Record" news article or blog in response when we get one send to RSLO's however we have not heard from any States about this.

#### **Follow-up Actions**

- 03/31/11 evening shift SL Received inquiry from RIII RSLO H. Logaras regarding FEMA issued EPZ maps. The following questions were asked:
  - Is it appropriate to depict permanently shut down plants like Zion, Big Rock, LaCrosse and Trojan as having 10 and 50-mile EPZ's?
  - I think the LaCrosse plant is in western Wisconsin rather than central Kansas, and is anything at all left a Trojan?

FEMA is inquiring with HQ and awaiting response (expects new maps tomorrow that do not include decommissioned plants). – Per e-mail sent by FEMA Liaison on 11:31 a.m. on 4/1, waiting for FEMA Headquarters to provide new maps that show accurate EPZ population numbers and only show operating plants.

From: Sent: To: Subject: LIA04 Hoc Tuesday, April 05, 2011 3:07 PM Wierman, Kenneth RE: Map changes

. .. . . . . .

No worries. Thanks Ken!

From: Wierman, Kenneth [mailto:kenneth.wierman@dhs.gov]
Sent: Tuesday, April 05, 2011 3:06 PM
To: LIA04 Hoc
Cc: Sherwood, Harry; Coons, Albert; Purvis, James; Gardner, Patricia; Fontenot, Rebecca; Sheffield, Bonnie
Subject: RE: Map changes

Ms. Ryan,

The map revisions are still in progress. My apologies.

Renneth L. Wierman Jr. Policy and Regulations Unit Radiological Emergency Preparedness Technological Hazards Division Federal Emergency Management Agency (FEMA) Headquarters Office: (202) 212-3711 Blackberry: (b)(6) kenneth.wierman@dhs.gob

From: prvs=0699afe34=LIA04.Hoc@nrc.gov [mailto:prvs=0699afe34=LIA04.Hoc@nrc.gov] On Behalf Of LIA04 Hoc Sent: Tuesday, April 05, 2011 2:34 PM To: Kenneth.wierman@dhs.gov Subject: Map changes

Ken,

Last Friday you did some follow-up regarding FEMA issued EPZ maps. Have you received any additional information, or revised maps? Thanks Michelle

Michelle Ryan State Liaison – Liaison Team NRC Operations Center

**From:** LIA05 Hoc **Sent:** Friday, April 01, 2011 10:30 AM **To:** Coons, Albert **Cc:** LIA04 Hoc; LIA01 Hoc; LIA11 Hoc; Dan Feighert; Andrew Seward; Harry Sherwood; John Simpson; Lisa Hamilton; When the states of the state of the state of the state of the states of

Per your request:

This is an open item for the NRC Ops Center

No.Children 1

Attached is a list of decommissioned plants, some are on the map and some are not. The question is " should there be an EPZ on decommissioned plants?"

FEMA HQ needs to decide if they should be on the 10 and 50 mile EPZ and other maps. If they are, they should be marked as decommissioned plants in the legend. This also applies to the new reactor sites. This information may be important in the wake of the Japan events.

The other issues with the map are as follows: La Crosse is shown in KS, but is located in Genoa WI and should be moved to WI Yankee-Rowe is shown in NY, but is located in Rowe, MA and should be moved to MA

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

Big Rock Point	Charlevoix, MI	DECON Completed
CVTR**	Parr, SC	SAFSTOR
Elk River*	Elk River, MN	DECON Completed
Fort St. Vrain	Platteville, CO	DECON Completed
GE Bonus*	Punta Higuera, PR	ENTOMB
GE VBWR	Sunol, CA	SAFSTOR
Haddam Neck	Meriden, CT	DECON Completed
Hallam*	Hallam, NE	ENTOMB
Humboldt Bay 3	Eureka, CA	DECON In Progress
La Crosse	Genoa, WI	SAFSTOR
Maine Yankee	Wiscasset, ME	DECON Completed
Millstone 1	Waterford, CT	SAFSTOR
NS Savannah	Baltimore, MD	SAFSTOR
Pathfinder	Sioux Falls, SD	DECON Completed
Piqua*	Piqua, OH	ENTOMB
Rancho Seco	Herald, CA	DECON Completed
Saxton	Saxton, PA	DECON Completed
Shippingport*	Shippingport, PA	DECON Completed
Shoreham	Wading River, NY	DECON Completed
Trojan	Rainier, OR	DECON Completed
Yankee-Rowe	Rowe, MA	DECON Completed
Zion 1	Zion, IL	SAFSTOR
Zion 2	Zion, IL	SAFSTOR

#### Decommissioning

The process of safely closing a nuclear power plant (or other facility where nuclear materials are handled) to retire it from service after its useful life has ended. This process primarily involves decontaminating the facility to reduce residual radioactivity and then releasing the property for unrestricted or (under certain conditions) restricted use. This often includes dismantling the facility or dedicating it to other purposes. Decommissioning begins after the nuclear fuel, coolant, and radioactive waste are removed.

#### Entomb

A method of decommissioning, in which radioactive contaminants are encased in a structurally long-lived material, such as concrete. The entombed structure is maintained and surveillance is continued until the entombed radioactive waste decays to a level permitting termination of the license and unrestricted release of the property. During the entombment period, the licensee maintains the license previously issued by the NRC

#### SAFSTOR

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A method of decommissioning in which a nuclear facility is placed and maintained in a condition that allows the facility to be safely stored and subsequently decontaminated (deferred decontamination) to levels that permit release for unrestricted use.

#### Spent (depleted or used) nuclear fuel

Nuclear reactor fuel that has been used to the extent that it can no longer effectively sustain a chain reaction.

From: Sent: To: Subject: LIA04 Hoc Tuesday, April 05, 2011 4:08 PM Turtil, Richard FW: HHS Call at 1700 EDT

Rich,

FYI – I confirmed PMT participation and sent the following email to them (and Scott) to confirm everyone ends up in the speaker room (rather than State participant room).

From: LIA04 Hoc Sent: Tuesday, April 05, 2011 3:51 PM To: Hoc, PMT12 Cc: Flanders, Scott Subject: HHS Call at 1700 EDT

If you are calling-in to tonight's HHS teleconference with States at 5:00pm EDT, please make sure that the operator knows you are a speaker so that you are not on mute (like State participants). From my experience last week, the operator does not always place Federal Partners in the speaker pool. (Press \*0 if you have been placed in the "room" with State participants.)

Please let me know if you would like to participate in the call from one location, and I will try to find space. Scott, Rich Turtil has indicated that you will be participating on the NRC's behalf. I will be listening and taking notes, please let me know if you have any questions about previous calls and/or participants.

1

Thanks Michelle

State Liaison – Liaison Team NRC Operations Center

From:	Fenner, Jerold (HHS/ASPR/OPEO) < Jerold.Fenner@hhs.gov>
Sent:	Tuesday, April 05, 2011 6:37 PM
То:	'Ames, Darrell Mr CIV US USA USARPAC'; (b)(6)
	'pavlinb@wpro.who.int'; 'Iddings, Mr Steven (SP)'; 'Gaynor, Mary Kathleen M.D. (Kate)';
	'Arthy G. Nena'; O'Mallan, Josie (CDC dphss.guam.gov); 'Peter Judicpa'; 'William Kando';
	'michael poblete'; 'siitia@doh.as'; 'Ben Sili'; 'Jacqueline Solaita'; 'Melinda Lawrence -
	Palau'; (b)(6) 'Joanes Sarofalpiy'; 'Lisa
	Barrow', Bryce, Michael (HHS/ASPR/OPEO); 'Toby L. Clairmont'; Gallo, Bill
	(CDC/OSTLTS/DPHCD); 'Owolabi, Mojisola'; 'Arcibal, Laura K.'; Rayle, Vicky
	(CDC/OSTLTS/DPHCD); Walmsley, John (HHS/OASH); 'Cathy Wasem'; Michael,
	Gretchen (HHS/ASPR/COO); 'Joseph Kevin Villagomez'; Yano, Victor (CDC palau-
	health.net); Seiuli Elisapeta Ponsusuia, American Samoa DPCP (b)(6)
	Langidrik, Justina < Marshall Is> (CDC ntamar.net); McMichael, Janice R.
	(CDC/OPHPR/DSLR); 'masatomo.nadeau@dphss.guam.gov';
	'leo.casil@dphss.guam.gov'; 'arthur.sanagustin@dphss.guam.gov'; Talbert, Todd
	(CDC/OPHPR/DSLR); 'marilyn.shigetani@dhs.gov'; 'Voirin, Anthony J LTCOL MIL USAF';
	'kevin.clark@dhs.gov'; 'Michael Epp'; 'Park, Sarah Y., MD'; 'wmiller@USAID.GOV';
	Sheehan, Kevin (HHS/ASPR/OPEO); Cooper, Barbara (CDC/OPHPR/DSNS); Roh, Mark S
	(FDA/ORA); 'Meer.Daniel@epamail.epa.gov'; Piggott, Bill (HHS/ASPR/OPEO); Natarajan,
	Nitin (HHS/ASPR/OPEO); Sanders, Melissa (HHS/ASPR/OPEO); Simons, Nadine M
	(HHS/OASH); Schultz, Herb (HHS/IGA/ORD); 'Todd.L.Smith@aphis.usda.gov'; Maier, Bill;
	'sarah.hartson@oak.doe.gov'; Smart, John (HHS/ASPR/OPEO); Turtil, Richard; Piccone,
	Josep <u>hine; Jackson, Deborah; LIA</u> 04 Hoc; OST05 Hoc; Pippin, Roger L. (CDC/OPHPR)
	(CTR); (b)(6) Muldoon, Molly (FDA/OC); Jackson, LeeAnne
	(FDA/CFSAN); Russo, Mark (FDA/OC); Mahon, John (IHS/HQ); Hancock, Jessica
	(HHS/OGHA); Karol, Susan (IHS/HQ); Yee, James C (FDA/ORA); Kreis, Jane M
	(FDA/ORA); Durkin, Robert (FDA/OC); Breadheft, Marc (FDA/OC); Gorski, Wayne A
	(FDA/OC); McDermott, Catherine (FDA/ORA); LeBlanc, Pamela (FDA/CFSAN); White,
	Arma (FDA/OC); DeLancey, Siobhan (FDA/OC); Verbeten, John E. (ORA) (FDA/ORA);
	Guzman, Noemi (CDC/OID/NCEZID); Veneziano, Domenic J. (FDA/ORA); McGarry,
	Sherri A (FDA/CFSAN); Chen, Tai-Ho (CDC/OID/NCEZID); (b)(6)
	Bryant, Jeffrey (Jeff) (CDC/OPHPR/DSLR); Durkin, Robert (FDA/OC); LeBlanc, Pamela
	(FDA/CFSAN); White, Arma (FDA/OC); Mike.Aslaksen@noaa.gov; info.japan@noaa.gov;
	Scripp, Robert; kim.walz@fema.gov; Lusk, Jeff; OS Secretarys Operations Center;
	(b)(6) anena@fsmhealth.fm; MPretrick@fsmhealth.fm;
<b>.</b>	msamo@fsmhealth.fm; Skilling, Vita A. (CDC fsmhealth.fm); 'Michael Epp'
Subject:	Pacific Islands Japan Event Update
Importance:	High

Friends,

The US Department of Health and Human Services, Office of the Assistant Secretary for Preparedness and Response (ASPR) will facilitate a follow-up Pacific Islands call to coordinate information sharing and public health messaging among Federal, State and Pacific Jurisdictional partners related to the ongoing radiological event in Japan. On the call we start with a US Federal update, then updates from Hawaii, the Pacific Jurisdictions, and other Pacific Partners.

Date: 6 / 7 April 2011

Time: 5 PM (Pacific Time) San Francisco (6 April), (5 PM Pacific Time is now 2 PM in HI (6 April); 1 PM in AS (6 April); 12 Noon in RMI (7 April); 11 AM in Pohnpei (7 April); 10 AM in CNMI (7 April), 10 AM in Guam (7 April), Chuuk and Yap (7 April); 9 AM in Palau (7 April)).

Phone Number: 888-790-2141

Participant Passcode: (b)(6)

If you have any questions, please let me or Capt Mike Bryce (Michael.Bryce@hhs.gov) know.

Thank you,

Jerry

Jerold Fenner, MPH, MEP Regional Emergency Coordinator, Region IX US Dept. of Health & Human Services Office of the Assistant Secretary for Preparedness & Response 90 7th Street, Suite 3-350 San Francisco, CA 94103 Office: (415) 633-5501 Cell: (b)(6) Jerold Fenner@hhs.Gov

This communication, along with any attachments, is covered by Federal and state law governing electronic communications and may contain restricted and legally privileged information. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, use or copying of this message is strictly prohibited. If you have received this in error, please reply immediately to the sender and delete this message.

From: Sent: To: Subject: Turtil, Richard Tuesday, April 05, 2011 9:01 PM LIA04 Hoc RE: Ops Center State Liaison Turnover from 4/5/11 for the 7AM-2PM EDT shift on 04/06/11

#### Michelle:

Thanks for working so late. I very much appreciate your efforts and dedication.

Rich

From: LIA04 Hoc Sent: Tuesday, April 05, 2011 9:00 PM To: LIA06 Hoc; LIA08 Hoc; Easson, Stuart; Flannery, Cindy; LIA04 Hoc; Lukes, Kim; Maupin, Cardelia; Noonan, Amanda; OST05 Hoc; Rautzen, William; Rivera, Alison; Ryan, Michelle; Turtil, Richard; Virgilio, Rosetta Subject: Ops Center State Liaison Turnover from 4/5/11 for the 7AM-2PM EDT shift on 04/06/11

My updates below are in green.

### Open action items from 4/4/11 evening shift

An email was received from Harral at 3:16PM asking if the NRC has crafted talking points regarding how the events in Japan affect license renewal for Prairie Island. The request was sent to the RST and PA (Holly Harrington) who is thought to have crafted language previously on this question. No response has yet been received from either the RST or PA. Morning shift, please follow up and get back to Harral Logaras. Sent an e-mail followup to find out a status on the request to RST on 8:36 a.m. on 4/5/11. OPA (Holly Harrington) sent a e-mail on 9:14 a.m. (4/5) indicating that they may generate a generic response. Still awaiting response (04/05/11).

#### Summary of State Liaison Team from 4/5/11 2PM-9PM SHIFT:

Flagged Inbox Emails require additional attention. Also, RST and PMT have asked that if we are forwarding requests for information/action from them to please enter it in the task tracker system as. well.

SL participated in 04/05/11 HHS/ CDC call with States at 1700 EDT and posted meeting minutes to LT log. Scott Flanders participated on behalf of the NRC; PMT and LT supported. The next call is scheduled for 04/07/11 at 1700 EDT to update state/local partners while encouraging operational/ technical discussion and information sharing. \*\*\*There is one outstanding issue for NRC regarding the availability of data. NRC indicated that we would provide follow-up on 04/07 regarding whether or not radioactive releases are decreasing. See notes below for additional information.

# **Ongoing Request from EPA:**

NOTE: NRC has NOT released a RIS and is still referring all questions to EPA.

EPA is not collecting information/data from the States. If States have questions regarding radiation data in the United States they should go to : <u>http://www.epa.gov/japan2011/</u>. There are Q&A on EPA's web site if the States have further questions.

# Ongoing action for FOIA request information gathering:

LT Coordinator asked SL Desk to forward all Inbox messages to FOIAResponse.hoc@nrc.gov. (This should populate when you start typing.)

During AM shift, please forward all Inbox emails from preceding day(s). (Monday, 04/04/11, forward 04/01/11-04/03/11 messages.)

- To forward multiple messages, highlight messages to be forwarded and right click, selecting "Forward Items."
- Include the origin and date of emails in the subject line when sending (for example, "SL Desk 03/16-03/17/11").
- Forwarded e-mails in In-box from 4/4/11.

# Current Actions

- No Current Actions due from this shift. See "Follow-up Actions" for pending issues.
- FYI- Heads up email on misleading HLS Newswire article no action, but M. Weber has
  requested a "For the Record" news article or blog in response when we get one send to
  RSLO's however we have not heard from any States about this.

# Follow-up Actions

- 03/31/11 evening shift SL Received inquiry from RIII RSLO H. Logaras regarding FEMA issued EPZ maps. The following questions were asked:
  - Is it appropriate to depict permanently shut down plants like Zion, Big Rock, LaCrosse and Trojan as having 10 and 50-mile EPZ's?
  - o I think the LaCrosse plant is in western Wisconsin rather than central Kansas, and is anything at all left a Trojan?

FEMA is inquiring with HQ and awaiting response (expects new maps tomorrow that do not include decommissioned plants). – Per e-mail sent by FEMA Liaison on 11:31 a.m. on 4/1, waiting for FEMA Headquarters to provide new maps that show accurate EPZ population numbers and only show operating plants. Sent email to Ken Wierman (FEMA) since they are no longer staffing the NRC Ops Center. His response indicated that the maps are still in the process of being revised. 04/05/11 3:08pm.

From: Sent: To: Subject: Attachments: LIA04 Hoc Wednesday, April 06, 2011 7:26 AM FOIA Response.hoc Resource SL Desk 4/5/11

Full debriefing from 1600 classified conference call with DOD-treat as Official Use Only; RE: Ops Center State Liaison Turnover from 4/5/11 for the 7AM-2PM EDT shift on 04/06/11; Daily: 4 New Items from Tuesday, April 5, 2011; Ops Center State Liaison Turnover from 4/5/11 for the 7AM-2PM EDT shift on 04/06/11; April 5 -- HHS/ CDC 1700 EDT Call with States; Pacific Islands Japan Event Update; RE: Map changes; Undeliverable: Map changes; Ops Center State Liaison Turnover from 4/5/11 for the 2PM-9PM EDT shift; Tonight's 4:45 call organized by HHS; RE: Info Exchange: US Environmental Monitoring Data; RE: Update Recurring Daily Actions and Calls List; FW: Today's State Conference Call - Japan Response - Please call at 4:45; RE: Follow-up Regarding Info Exchange Meeting on US Environmental Monitoring Data; Follow-up Regarding Info Exchange Meeting on US Environmental Monitoring Data; FW: IMPORTANT: 2011 Japan Response State Coordination Conference Call (formerly ASTHO call) Changes; FW: Today's State Conference Call - Japan Response - Please call at 4:45; RE: Today's State Conference Call - Japan Response - Please call at 4:45; RE: Today's State Conference Call - Japan Response - Please call at 4:45; RE: Today's State Conference Cail - Japan Response - Please call at 4:45; RE: Today's State Conference Call - Japan Response - Please call at 4:45; FW: Today's State Conference Call - Japan Response - Please call at 4:45; RE: Info Exchange: US Environmental Monitoring Data; General Interest: Agency Task Force to Conduct Near-Term Evaluation of the Need for Agency Actions Following the Events in Japan; RE: IMPORTANT: 2011 Japan Response State Coordination Conference Call (formerly ASTHO call) Changes; RE: Info Exchange: US Environmental Monitoring Data; RE: IMPORTANT: 2011 Japan Response State Coordination Conference Call (formerly ASTHO call) Changes; RE: Info Exchange: US Environmental Monitoring Data; RE: Anticipating a guestion ahead of the End of Cycle Meeting; Info Exchange: US Environmental Monitoring Data

From: Sent:	LIA04 Hoc Wednesday, April 06, 2011 2:12 PM
То:	Easson, Stuart; Flannery, Cindy; LIA04 Hoc; Lukes, Kim; Maupin, Cardelia; Noonan, Amanda; OST05 Hoc; Rautzen, William; Rivera, Alison; Ryan, Michelle; Turtil, Richard;
Subject:	Virgilio, Rosetta Ops Center State Liaison Turnover from 4/6/11 (7AM-2PM EDT)

My updates below are in blue.

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Bill Maier sent an e-mail as FYI that Region IV is planning to participate in the CA Senate Committee on Energy, Utilities and Communications informational hearing scheduled for next Thursday, April 14<sup>th</sup>. Troy Pruett, Deputy Director of Region IV Division of Reactor Projects, will be giving a statement to be followed by questions from the senators. Mr. Pruett is still developing his statement, which will be reviewed by the Regional Counsel and the Regional Public Affairs Officers. Victor Dricks, Senior Public Affairs Officer Region IV, and Bill Maier will accompany Mr. Pruett at the hearing and for any media or governmental official interaction that occurs as a result of his appearance. No action is required.

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From:Harrington, HollySent:Wednesday, April 06, 2011 3:52 PMTo:LIA04 Hoc; Logaras, HarralSubject:RE: Anticipating a question ahead of the End of Cycle Meeting

Below is our "talking point" relevant to license renewal. Each regional public affairs officer is also aware of the verbiage.

Q. "How will the events in Japan affect license renewal for U.S. plants?"

A. The NRC's recently initiated review of U.S. plants will examine current practice at operating reactors to ensure proper actions will be taken if a severe event occurs – this covers plants regardless of where they are in their license lifetime. 'The events in Japan, based on what's known at this time, appear to be unrelated to issues examined in license renewal. The NRC's long-term review of its regulations will determine whether any revisions to license renewal reviews are called for.

From: LIA04 Hoc Sent: Wednesday, April 06, 2011 3:41 PM To: Logaras, Harral Subject: RE: Anticipating a question ahead of the End of Cycle Meeting

Harral,

Just to close the loop with you on this question, the NRC does not currently have a developed response for the question you have below. However, OPA is working on one.

Regards, Stuart Easson State Liaison – Liaison Team Incident Response Center 301-816-5193 LIA04.HOC@nrc.gov

From: Logaras, Harral
Sent: Monday, April 04, 2011 3:16 PM
To: LIA04 Hoc
Cc: Plasse, Richard; Wrona, David; Keegan, Elaine; Zurawski, Paul; Barker, Allan; Heck, Jared
Subject: Anticipating a question ahead of the End of Cycle Meeting

Dear State Liaison,

Between April 4, 2011 and April 14, 2011 we are holding four End of Cycle public meetings and next week we are holding one for the Prairie Island Nuclear Generating Plant. In preparation for that activity, I would like to ask if we have developed a response to a line of questioning such as the following.

Will (or How will) the events in Japan affect license renewal for Prairie Island?

### Thank you for your attention.

Sincerely,

Harral Logaras U. S. NRC Region III Regional Government Liaison 630-829-9659

Link to the Award Winning NRC Information Digest <u>http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1350/v22/sr1350v22.pdf</u>

Link to NRC Fact Sheets and Brochures <a href="http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/">http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/</a>

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From: Sent: To: Cc: Subject: Attachments: LIA04 Hoc Wednesday, April 06, 2011 4:26 PM Maier, Bill Turtil, Richard; Howell, Art; Howell, Linda RE: REQUEST FOR TALKING POINTS HHS State Conference Call.04.05.11.docx

Bill,

I have attached the meeting minutes from yesterdays HHS State call where Scott Flanders reported the following:

NRC (Scott Flanders)

- NRC Operations Center has been activated since 03/11 and the agency continues to monitor the situation
- NRC team, including 15-17 staff, has been deployed to Japan in rotations to assess conditions and collect data.
- The Commission established a task force to examine domestic regulatory program and provide short and long term reports to the Commission. Near-term report will take place 90 days from 04/01.

There have not been any additional press releases (that are entered in WebEOC) since March 24<sup>th</sup> and no additional talking points released since March 28<sup>th</sup>.

There was a post yesterday on the NRC blog (http://public-blog.nrc-gateway.gov/) that might be relevant

# **Top Managers to Lead Review Team**

As promised, the NRC has put together a team to look at our regulations, programs and processes in light of the unfolding nuclear emergency in Japan. The team will produce a public report in about three months, which will include recommendations for ways to improve NRC's regulatory system.

The task force is led by Dr. Charles Miller, the head of the NRC office that oversees radiological materials and environmental management. He is joined by Daniel Dorman, deputy director of the office that oversees nuclear material safety; Jack Grobe, deputy director of the office that oversee nuclear reactor regulation; and Gary Holahan, deputy director of the office overseeing new reactors. Nathan Sanfillppo, a technical assistant for the Executive Director for Operations, and Amy Cubbage, a team leader in new reactors, round out the team.

Together, they offer almost 150 years of experience at the NRC.

The team is tasked with conducting a "near-term" review while also identifying topics to be included in a longer-term review. The near term will look closely at U.S. nuclear reactors, including their spent fuel pools, station "blackout" scenarios, events that could lead to a long loss of cooling and emergency preparedness.

The task force expects to offer recommendations for Commission consideration on whether we should require immediate enhancements at U.S. reactors.

Important dates: On May 12 and June 16 the task force plans to brief the Commission in public meetings on the status of the review, and to offer final recommendations in a public Commission meeting on July 19. We'll let you know more as we get closer to those dates.

I hope that is helpful

Stuart Easson State Liaison – Liaison Team

1

CI 1116 of 1219

Incident Response Center 301-816-5193 LIA04.HOC@nrc.gov

From: Maier, Bill Sent: Wednesday, April 06, 2011 3:55 PM To: LIA04 Hoc Cc: Turtil, Richard; Howell, Art; Howell, Linda Subject: REQUEST FOR TALKING POINTS Importance: High

Dear State Liaison,

I have once again been invited to participate in the US Dept of HHS Region 9 (Pacific) conference call with Pacific Island public health authorities. The call begins at 5pm PDT and the call info is attached.

I confess that I am somewhat at a loss of meaningful information to provide for my briefing of NRC activities. I understand that the NRC's role in the overall Federal response has been scaled back.

I am therefore requesting talking points from the liaison team for presentation at this call.

Any help would be appreciated.

**Bill Maier** 

### 2011 Japan Response State Coordination Conference Call CDC IMS State Coordination Task Force 04/05/2011 1700 EDT

# <u>Welcome</u>

Steve Boedigheimer (CDC) – Federal partners will provide overview of what they are doing this week and what is on horizon during Tuesday calls. Strategic thinking and direction from Federal partners can be useful for States to form theirs.

Jim Blumensotck (ASTHO) – Reframing of calls moving forward.

Tuesday calls will provide an overview of high level executive policy and strategic plan. State Health Officials and Environmental Agencies will participate.

Thursday calls will include tactical, operational and technical discussion. State Emergency Preparedness Officers, Radiation Control Directors, etc. will participate.

# Federal Partner Updates

ASPR (Nitin Natarajan)

- ASPR continues to look at domestic response and potential future issues that may arise.
- They continue to engage in inter-agency cooperation and planning.
- Five staff members have been deployed to Japan and will return on 04/08 and 04/10
- Public Affairs Office briefed media opinion leaders to allow them to ask questions of experts brought together for call. This was the first coordinated press call. Seafood safety was big issue with dumping of radioactive water.

#### CDC (Vic Capell)

- Emergency Operations Center was activated 03/11/11.
- Two staff members have been deployed to Japan.
- 140 CDC employees are staffing the operations center.
- CDC continues to work with Federal and International partners as well as nongovernmental organizations.
- Focus has been on public health guidance for US citizens in Japan, including the following activities:
  - o Public health interpretation of radiation data;
  - o Public health guidance for travelers
  - o Development of public health key messages; and
  - o Dissemination of public health information to public, including.
- CDC continues to inform the public that:
  - There is no threat to public health in spite of radiation detection in air, water and milk; and
  - o There is no need to take KI.

EPA (Mike Flynn)

- EPA continues to participate in inter-agency technical advisory group.
- EPA is actively working and hosting RadNet monitoring data. They continue to see nondedect levels or very low levels below concern. Data is posted on website as quickly as possible. Anything notable is flagged and follow-up is conducted with Federal and State partners to address.
- Sampling and data in pipeline will be posted on EPA website in days ahead.

Page 1 of 4

CBP – Not present.

FDA (John Verbatin)

• Import alert continues for certain products from specific regions of Japan.

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- Increased surveillance of Japanese imports continues. Over 1000 examinations have been conducted, and nothing has been found in violation.
- FDA will continue to monitor activities, and may increase or decrease surveillance, as situation warrants.

NRC (Scott Flanders)

- NRC Operations Center has been activated since 03/11 and the agency continues to monitor the situation
- NRC team, including 15-17 staff, has been deployed to Japan in rotations to assess conditions and collect data.
- The Commission established a task force to examine domestic regulatory program and provide short and long term reports to the Commission. Near-term report will take place 90 days from 04/01.

ACF (Elizabeth Russell and Jonathan White)

• ACF continues to monitor and communicate with Department of State. There is no indication of potential evacuation of US citizens at this point. ACF is actively engaged with partners and will advise if they are informed of evacuation.

SAMHSA (Terry Spear)

- SAMHSA is monitoring behavioral health effect on US Citizens.
- SAMHSA is providing technical assistance, information and training to citizens across the country.
- They are completing review of cultural appropriateness of tip sheet and translation to Japanese.

DHS - Not Present.

#### **Question & Answer Session**

- Status of Clearance for passenger? Jim (ASTHO) Colleen Martin (CDC) indicated that they are still awaiting clearance and one of the last documents is with HHS.
- 2. Are there any plans for NRC to allow State partners to review 90 day report to be issued to Commission? Jim (ASTHO)

S. Flanders indicated that the task force charter directs them to assess conditions, determine short-term recommendations, and provide recommendation for Chairman. If it is determined to be appropriate, NRC will engage State, Local and others. Jim (ASTHO) indicated that if protective action guidance is part of recommendation, then States should be consulted.

- 3. Jack Herman indicated that they continue to monitor calls and solicit questions from local health departments (Herman appears to represent localities, but organization was not identified clearly).
- 4. Does NRC assessment include offsite dose assessment or environmental assessment? Bob Free

S. Flanders indicated that Staff in Japan is collecting information regarding dose and assessing.

- 5. There have been domestic communications challenges regarding contamination of air, water and milk. Can we get information on whether or not radioactive releases in air are decreasing? Why can't information be shared? Howard Backer (CA Public Health) S. Flanders indicated that NRC is getting information from DOE and assessing as it is received. Call with CRCPD discussed availability of data earlier today. NRC will follow-up and can provide additional information on Thursday call. Jim (ASTHO) indicated that State Cabinet and Subcabinet level should be receiving this information if it has been shared with CRCPD.
- In NRC confident that there is an end game in site? Lee Cox (NC)
   S. Flanders indicated that NRC continues to monitor the situation, gathering and assessing information. Tim Harris indicated that MEXT website has information from utilities. Trending to a more stable condition over the past few weeks.
- 7. Clarification was provided regarding call with CRCPD. Call was with NEI regarding access to their data. Radiation control program directors will have access to NEI data, but mechanism to access is not in place yet to access daily data dump. Adela Salame-Alfie (NY and CRCPD)
- Is someone looking at information from Japan regarding dose limits and comparing to US limits? Online video and media reporting were referenced. Pat Dostie (ME)
   S. Flanders indicated that NRC is aware of this and assessing information now. M.
   Flynn of EPA indicated that they have not done a comparison of dose limits at this point.
   P. Dostie underscored that there is an assumption by the media that the Japanese dose limit is the same as US.

Page 3 of 4

### FDA Update

Media inquiries are starting to decline

- Higher public concern on safety of fish, specifically Salmon. North Pacific fish are safe to eat
- Methodology for testing foods has been added to the FDA website

#### EPA Update

Message is consistent with NRC's

## CBP/CDC Update

Completed traveler screening protocol released one, will be releasing another shortly.
 Continue to check their website

#### OPA

 Nothing new to report – Continued message going out that U.S. is not expecting harmful levels

#### Q&A

- There were numerous questions mainly involving:
  - o Customs and Border Control
    - How radiation is detected what the levels mean and decontamination processes

A – Scanning people and packages as they come off the plane and again as they go through security. CBP/CDC is working on a procedure fro screen cargo. Currently it goes to the State Rad. Control Program

 One voice from the government and a continued request for 'One stop shopping' and charts/graphs that will show what normal levels are, what they are now, what is dangerous

A- USA gov is one stop shopping however; if you are looking for in depth

reading on a subject you still go to that Agency's website.

Page 4 of 4

From: Sent: To: Subject: Attachments:

1. Yelvandelet

LIA04 Hoc Thursday, April 07, 2011 7:08 AM FOIA Response.hoc Resource State Liasion Desk 04/06/11 RE: Ops Center State Liaison Turne

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RE: Ops Center State Liaison Turnover from 4/6/11 (7AM-2PM EDT); HEADS UP ON INCOMING LETTER FROM CA STATE SENATOR; Protection of Agency Documents in the Operations Center; RE: Anticipating a question ahead of the End of Cycle Meeting; RE: REQUEST FOR TALKING POINTS; RE: ? on Monitoring Data; REQUEST FOR TALKING POINTS; RE: Anticipating a question ahead of the End of Cycle Meeting; General Interest: Latest NRC Reporter Now Online; Out of Office: Ops Center State Liaison Turnover from 4/6/11 (7AM-2PM EDT); Ops Center State Liaison Turnover from 4/6/11 (7AM-2PM EDT); REGION IV WILL BE GIVING A STATEMENT AT CA SENATE HEARING NEXT THURSDAY; RE: State Liaison Operation Center Schedule for Week of 04/11/11; RE: Questions for this afternoon's conference call; Update: Network Bulletin: Space and Property Management System Maintenance; Network Bulletin: Space and Property Management System Maintenance; State Liaison Operation Center Schedule for Week of 04/11/11 From:LIA04 HocSent:Wednesday, April 06, 2011 8:51 PMTo:LIA04 Hoc; Easson, Stuart; Flannery, Cindy; Lukes, Kim; Maupin, Cardelia; Noonan,<br/>Amanda; OST05 Hoc; Rautzen, William; Rivera, Alison; Ryan, Michelle; Turtil, Richard;<br/>Virgilio, RosettaSubject:RE: Ops Center State Liaison Turnover from 4/6/11 (7AM-2PM EDT)

### Open action items from 4/6/11 evening shift

none

### Summary of State Liaison Team from 4/6/11 7AM-2PM SHIFT:

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#### Current Actions

• No Current Actions due from this shift. See "Follow-up Actions" for pending issues.

• FYI- Heads up email on misleading HLS Newswire article – no action, but M. Weber has requested a "For the Record" news article or blog in response - when we get one send to RSLO's – however we have not heard from any States about this.

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### Follow-up Actions

- 03/31/11 evening shift SL Received inquiry from RIII RSLO H. Logaras regarding FEMA issued EPZ maps. The following questions were asked:
  - Is it appropriate to depict permanently shut down plants like Zion, Big Rock, LaCrosse and Trojan as having 10 and 50-mile EPZ's?
  - I think the LaCrosse plant is in western Wisconsin rather than central Kansas, and is anything at all left a Trojan?

FEMA is inquiring with HQ and awaiting response (expects new maps tomorrow that do not include decommissioned plants). – Per e-mail sent by FEMA Liaison on 11:31 a.m. on 4/1, waiting for FEMA Headquarters to provide new maps that show accurate EPZ population numbers and only show operating plants. Sent email to Ken Wierman (FEMA) since they are no longer staffing the NRC Ops Center. His response indicated that the maps are still in the process of being revised. 04/05/11 3:08pm.

From:LIA04 HocSent:Thursday, April 07, 2011 12:04 PMTo:McNamara, Nancy; Tifft, Doug; Nick, JosephCc:LIA01 Hoc; LIA06 Hoc; LIA08 HocSubject:FW: Question from MA Re: Contamination Checks on Automobiles from Japan

They State should contact their local Customs and Border Control.

Below is the link to their website fact sheet.

http://www.cbp.gov/xp/cgov/newsroom/fact\_sheets/

-----Original Message-----From: McNamara, Nancy Sent: Thursday, April 07, 2011 11:50 AM To: LIA04 Hoc; OST05 Hoc Cc: Tifft, Doug; Nick, Joseph Subject: Question from MA Re: Contamination Checks on Automobiles from Japan

Received the below question from MA. Would like an answer asap since the cars are being parked near school buses.

Thanks.

-----Original Message-----From: Nick, Joseph Sent: Thursday, April 07, 2011 11:47 AM To: McNamara, Nancy Cc: Collins, Daniel Subject: Contamination Checks on Goods (Automobiles) from Japan

Nancy,

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As we discussed, Bob Gallaghar (Massachusetts Radiation Control Program in the Dept. of Public Health) called and asked if there is a federal policy on checking goods coming into ports from Japan. His immediate concern is a shipload of cars from Japan that has been off-loaded in the port of Boston. The cars are currently parked next to school buses and there are concerns/questions about the screening or surveying that has been performed. Do you have any contact names/numbers for me to pass on to him?

Thanks,

Joe

Joseph Nick Technical Assistant Region I DNMS King of Prussia, PA 610-337-5056

CI 1125 of 1219

Cc: Piccone, Josephine; Noonan, Amar	M
Subject:04/07/2011 HHS CallAttachments:image001.gif	manda

Allison-Can you email any info you might have for this evening's call. I have received no info as of yet for the HHS call scheduled for tonight and its already 3:00pm.

Thanks.

I have a 3:00 meeting with Deborah Jackson, so I will be away from my desk for around a ½ hour. If you can get that info to me could you please call me or Carol Ashley (who can come and retrieve me from Deborah's office. I will immediately compose the email and get it out.



Patricia McGrady-Finneran Program Manager, USNRC Division of Intergovernmental Liaison and Rulemaking (DILR) Intergovernmental Liaison Branch (ILB) Patricia.McGrady-Finneran@nrc.gov Phone: (301) 415-2326 Fax: (301) 415-3502 From: Sent: To: Cc: Subject: Attachments: Noonan, Amanda Thursday, April 07, 2011 3:13 PM OST02 HOC LIA04 Hoc FW: State Liaison Operation Center Schedule for Week of 04/11/11 State LiaisonSchedule 04-10-11.docx

**FYI** 

Amanda Noonan Management Analyst, FSME/DILR 301-415-2551 amanda.noonan@nrc.gov

From: Noonan, Amanda

Sent: Wednesday, April 06, 2011 9:34 AM To: Noonan, Amanda; Rivera, Alison; Maupin, Cardelia; Lukes, Kim; Virgilio, Rosetta; Flannery, Cindy; Turtil, Richard; Ryan, Michelle; LIA04 Hoc Subject: RE: State Liaison Operation Center Schedule for Week of 04/11/11

Amanda Noonan Management Analyst, FSME/DILR 301-415-2551 amanda.noonan@nrc.gov

From: Noonan, Amanda
Sent: Wednesday, April 06, 2011 6:28 AM
To: Rivera, Alison; Maupin, Cardelia; Lukes, Kim; Virgilio, Rosetta; Flannery, Cindy; Turtil, Richard; Ryan, Michelle; LIA04 Hoc
Subject: State Liaison Operation Center Schedule for Week of 04/11/11

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Good morning, attached is the schedule for the Operations Center next week.

If you have any issues please let me know.

-----

Amanda Noonan Management Analyst, FSME/DILR 301-415-2551 amanda.noonan@nrc.gov

# Japanese Earthquake/Tsunami Coverage – State Liaison Function in the NRC Operations Center March – 7 Hour Shifts, 1 Person Each Shift, Nights and Weekends are On Call Only

S	iun 10 ON CA	LL M 11	Tu 12	W 13	3 Th 14	F 15	Sat 16 ON CALL	
7am - 2pm	Noonan	Rivera	Maupin	Noonan	Flannery	Lukes	Rivera	
2pm – 9pm	Noonan	Easson	Easson	Turtil	Ryan	Noonan	Rivera	
9pm – Noonan 7am On Call Only		Noonan	Rivera	Rivera	Noonan	Noonan	Noonan	
Bill Rautzen Alison Rivera		Cardelia Maupin Kim Lukes		a Virgilio Flannery	Richard Turtil Michelle Ryan	Amanda Noonan Stuart Easson		

Date

4/11 7am – 2pm	Rivera
4/11 2pm – 9pm	Easson
4/12 7am – 2pm	Maupin
4/12 2pm – 9pm	Easson
4/13 7am – 2pm	Flannery
4/13 2pm – 9pm	Noonan
4/14 7am – 2pm	Flannery
4/14 2pm – 9pm	Ryan
4/15 7am – 2pm	Lukes
4/15 2pm – 9pm	Noonan

From:	Mroz (Sahm), Sara
Sent:	Thursday, April 07, 2011 3:21 PM
То:	Logaras, Harral; Anderson, Joseph
Cc:	Heck, Jared; Barker, Allan; LIA04 Hoc
Subject:	RE: EP question from end of cycle meeting
Attachments:	Questions for Public docx; Emergency Planning Zones.pdf

Harral,

Attached are two documents that were created to assist in responding to questions in the aftermath of the earthquake. One is Questions and Answers for answering public inquiries. The other is a document that FEMA and NRC created talking about EPZs ...

I hope that these might help you, but I also realize that they may not be specific enough for what you're looking for.

-Sara

From: Logaras, Harral
Sent: Thursday, April 07, 2011 1:45 PM
To: Anderson, Joseph
Cc: Heck, Jared; Barker, Allan; LIA04 Hoc; Mroz (Sahm), Sara
Subject: RE: EP question from end of cycle meeting

Dear Joe,

Thank you for your reply. I have shared the information with Bill and I will share his response with you.

Sincerely,

Harral Logaras U. S. NRC Region III Regional Government Liaison 630-829-9659

Link to the Award Winning NRC Information Digest <u>http://www.nrc.gov/reading-rm/doc-</u>collections/nuregs/staff/sr1350/v22/sr1350v22.pdf

Link to NRC Fact Sheets and Brochures http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/

From: Anderson, Joseph
Sent: Thursday, April 07, 2011 12:12 PM
To: Logaras, Harral
Cc: Heck, Jared; Barker, Allan; LIA04 Hoc; Mroz (Sahm), Sara
Subject: RE: EP question from end of cycle meeting

Harral – I would reach over to Bill King (FEMA RV) to obtain what they have and to coordinate a response. I've asked Sara Mroz to forward you what generic Q&A OCA has developed on this topic.

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From: Logaras, Harral Sent: Thursday, April 07, 2011 11:49 AM To: LIA04 Hoc Cc: Heck, Jared; Barker, Allan; Anderson, Joseph Subject: EP question from end of cycle meeting At the Quad Cities End of Cycle Open House, a member of the public had a line of questions about adequacy of reception centers and congregate care centers for the Quad Cities EPZ. She asked if those facilities were adequate if an extended evacuation from the Quad Cities became necessary. I wonder if our FEMA counterparts have talking points for questions in this area.

Sincerely,

Harral Logaras U. S. NRC Region III Regional Government Liaison 630-829-9659

Link to the Award Winning NRC Information Digest <u>http://www.nrc.gov/reading-rm/doc-</u> collections/nuregs/staff/sr1350/v22/sr1350v22.pdf

Link to NRC Fact Sheets and Brochures http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/

From:	LIA04 Hoc
Sent:	Thursday, April 07, 2011 3:50 PM
То:	Temple, Jeffrey
Subject:	SUMMARY OF WHITE HOUSE DEPUTIES MEETING ACTION ITEM RESOLUTION FOR NRC.doc
Attachments:	SUMMARY OF WHITE HOUSE DEPUTIES MEETING ACTION ITEM RESOLUTION FOR NRC.doc

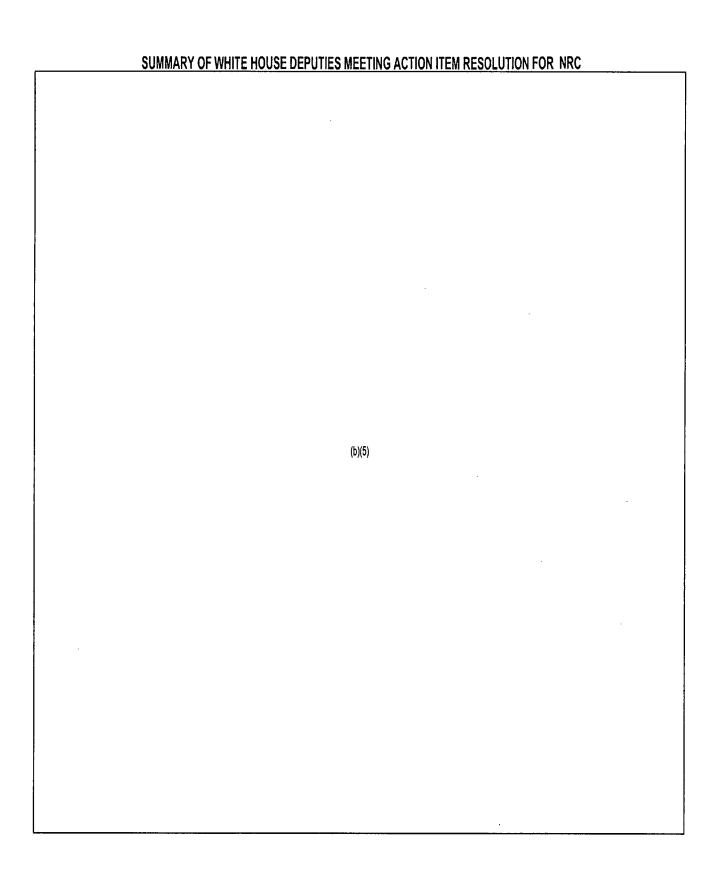
Deputies Meeting matrix attached.

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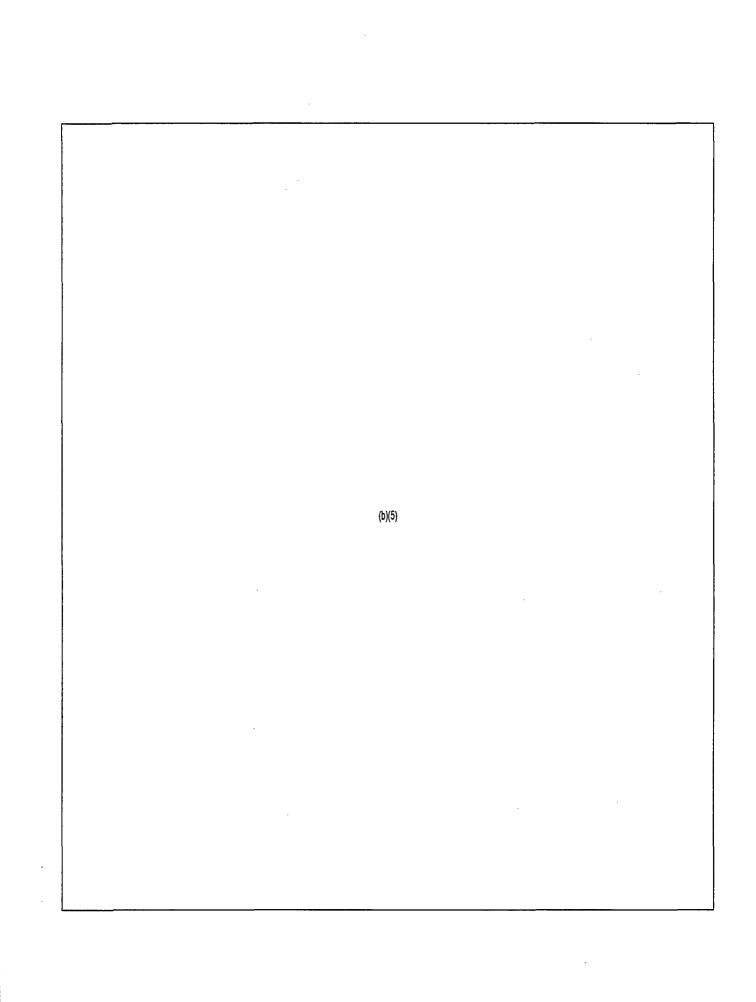
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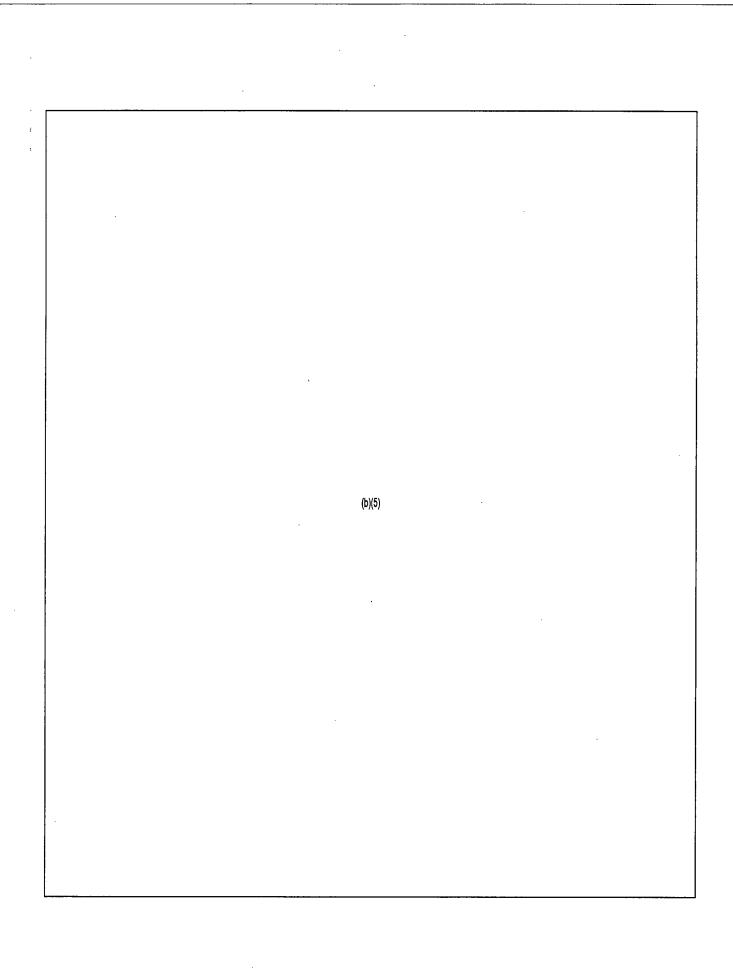


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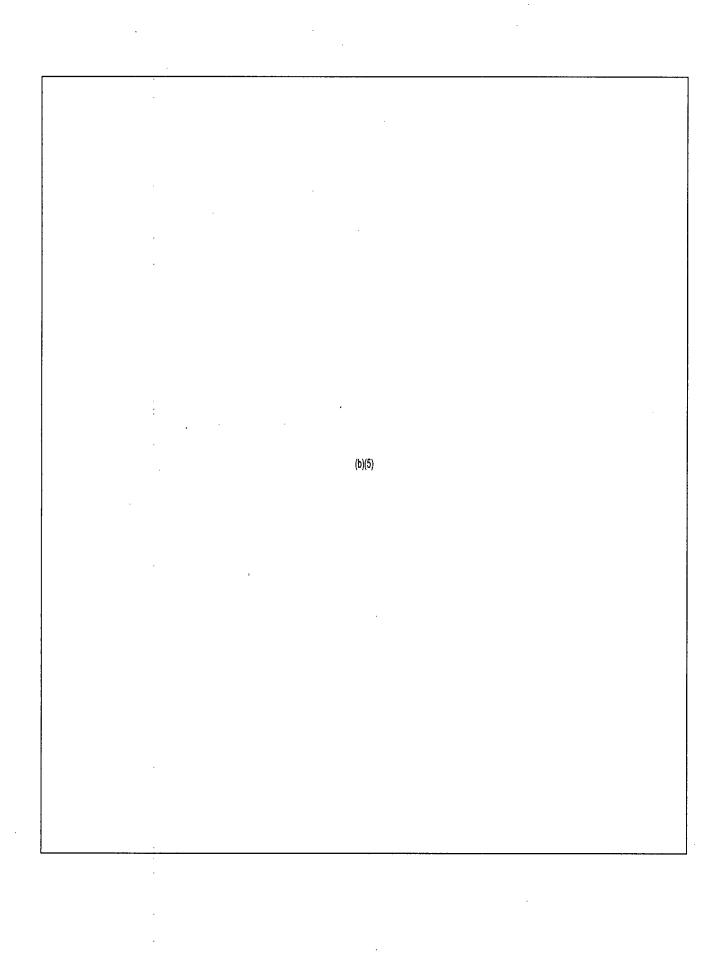
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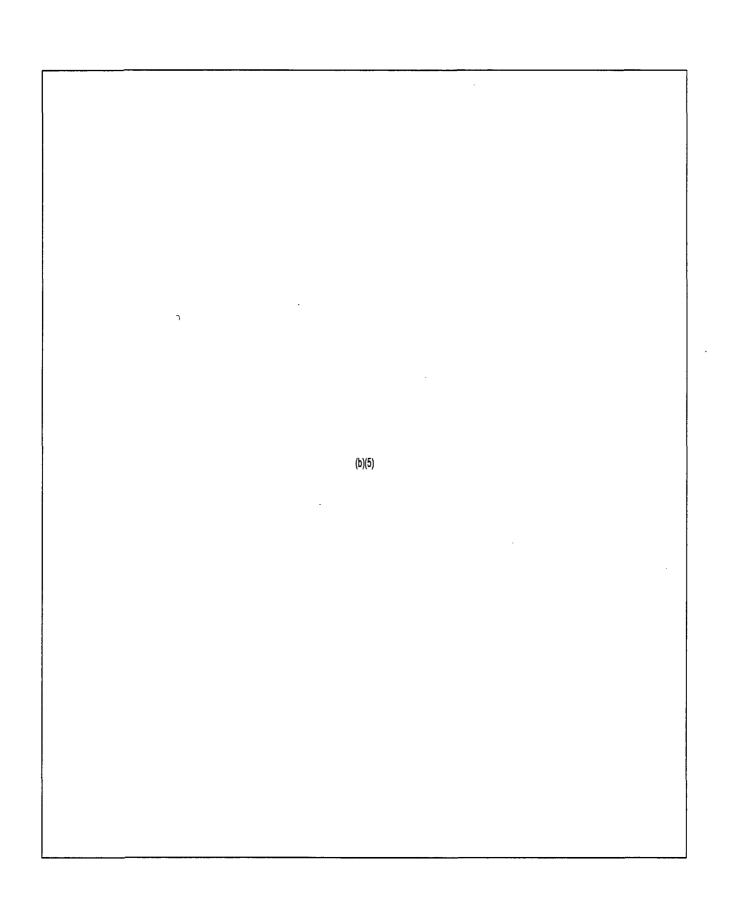
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CI 1134 of 1219



CI 1135 of 1219



CI 1136 of 1219

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From:	Lee.Raymond@epamail.epa.gov on behalf of	
	EOC_Environmental_Unit@epamail.epa.gov	
Sent:	Thursday, April 07, 2011 5:34 PM	
То:	bhirschler@crcpd.org	
Cc:	EOC_Environmental_Unit@epamail.epa.gov; rmcburney@crcp	od.org; asa01
	@health.state.ny.us; ssmith.crcpd@epamail.epa.gov; rla@nei.	org; jrs@nei.org;
	exa@nei.org; anm@nei.org; LIA04 Hoc; Hoc, PMT12;	(b)(6)
Subject:	NEI US Nuclear Power Plant Data - 4/7/11	
Attachments:	NEI Data Package FINAL 4-7-11.pdf	

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Mr. Hirschler,

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Here is the first summary of US Nuclear Power Plant data compiled by NEI. We expect to give you daily updates in the same format, unless we pull the data for the day and see no new additions.

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Thank you,

Ray

EOC Environmental Unit US EPA (202) 250-8926

(See attached file: NEI Data Package FINAL 4-7-11.pdf)

## **Nuclear Energy Institute Notification**

Nuclear power plants are required by federal regulations to have extensive radiological environmental monitoring programs to monitor the air, water, milk, vegetables and other media around the plants. The programs utilize highly sensitive instruments and equipment that can accurately and precisely measure trace levels of radioactivity in the environment. As expected, the monitoring programs are currently detecting radiation in the environment from the events at the Fukushima Daiichi nuclear plants in Japan. At the request of the federal government, nuclear power plant radiological environmental monitoring data is being provided to the U.S. Environmental Protection Agency, U.S. Nuclear Regulatory Commission and state radiation protection agencies on a voluntary basis. The purpose of providing the monitoring data is to provide trends of radiation measurements. The data is not being used for required reporting to the NRC or any other regulatory agency. The data is used for information only and may be subject to updating as warranted. If there are questions, please contact one of the following:

Ralph Andersen at (202) 739-8111; rla@nei.org Ellen Anderson at (202) 739-8043; exa@nei.org Janet Schlueter at (202) 739-8098; jrs@nei.org

## **Environmental Protection Agency Notification**

This data has been voluntarily provided to EPA from the nuclear power industry and is being shared, with NEI's and nuclear power plant operators' consent, with CRCPD to provide information to the States in addition to our RadNet data. EPA has had no role in any way in producing the data including no connection to sampling, analyzing samples, or providing quality assurance.

	hima Environmental Measurement Dat											
	Plant Name	Somple Date	Sample Tune	Sample Location	Sample Medium	Rucide	Measurement	Enveronmental Units	<b>RP Units</b>	App. Detection Sensitivity	Weather	Canincia
1	Peach Bottom Atomic Power Station	3/6/2011	0:00	Off Ste	Rain Water	1431	< mda	pCi/L			Ràn	
2	San Onofre Nuclear Generating Station	4/6/2011	9:00	On Site	Air Parts: + Hiter	Cs-137	< MDA		µCi/cc	1.60L-13	Other	Overcast and druzte
3	San Onofre Nuclear Generaling Station	4/6/2011	9:00	On Site	Air Charcoal	F131	< MDA		pCi/cc	1.201-13	Other	Overcast with deatle
4	San Onofre Nuclear Generating Station	4/5/2011	9:00	Off Site	Ar Panicle Filter	Cs-137	3 201-14		μ€√cc		01her	Overcass with drizzle
5	San Onofre Nuclear Generating Station	4/6/2011	9:00	Off Site	Air Charcoal	1-131	< MDA		uC/tc	1.30E-13	Other	Overcast with driggle
6	Danald C. Cook Nuclear Plant	4/6/2011	11.05	On Site	Air Charcoal	1-131	8.28E-14		pCi/cc	~6.50E-14		Portable a ristation 1-ONS-4B; setup near an onsit REMP arristation
7	Donald C. Cook Nuclear Plant	4/6/2011	5:30	0ff Ste	Air Charcoal	1-131	\$.26E-14		µCi/cc	*6.5 <b>@</b> -14		Portable air station J-DOW-B, setup > 20 miles offsite for a background air sample station
8	Donald C. Cook Nocatar Viast	4/5/2011	0.30	On Site	Au Pari cie futer	(5-137	< MDA		μCi∕tc			All on site portable airborne samples for 1-131 also had a particulate filter which was counted. All we < MDA for CS-137 and a9 other isotopes. Dates for
•		-1 of LUS 1	00	0134		()-137	<b>LAUN</b>		μινα			3/74/2011 through 4/6/2011. All portable offsite airborne sampies for 1-131 also had a particulate filter which was counted < MDA Cs-137 and all other isotopers. Sample range is for 3/24/2011 through 4/4/2011. All emide and offsit
9	Donald C. Cook Nuclear Plant	4/6/7011	0:30	Off Site	Av Particle Filer	6-137	< MDA		µCi/cc			particulatés filters were < MDA. API-1 REMP sampler 1.4 miles NE of plant: weekly
10	Fermi 2	4/5/2011	10:00	Off Sate	Air Charcoal	1-131	1_46-13		µCi/cc	1 60E-14	Clear	changeout API-2 REMP sampler 0.6 miles NNW of plant: weeking
11	Fermi Z	4/5/2011	10:00	Off Ste	Air Charcual	1-131	1 03E-13		µCi∕cc	1.80E-14	Clear	changeout API-3 REMP sampler 0.6 m/es NW of plant: week
12	Fernú 2	4/5/2011	10,00	Off Site	Air Charcoal	1-131	9.13£-14		uCifec	1.905-14	Clear	changeou API-4 REMP sampler 14.0 miles W of plant: weekh
13	Fermi 2	4/5/2011	10:00	Off Site	Air Charcoal	1-131	< MDA		µCı/cc	~21-14	Cleat	changeout API-S REMP sampler 1.2 millions of plant weekly
14	Fermi 7	4/5/2011	10.00	Off Sile	Ar Charcoal	1-131	1.055-13		µCv/cc	1 60E-14	Clear	changeout Portable air station J-ONS-48; setup near an onsis
15	Donabl C. Cook Nuclear Plant	4/5/7011	13:40	On Ste	Ar Charcoal	1-131	9,591-14		µCı/tc	~ 5.00E-14		REMP air station Portable air station J-DOW-8, setup > 20 miles
16	Donald C. Cock Nuclear Plant	4/5/3011	5:55	Off Size	Al- Charcoal	F131	5 68E-14		μίι/ες	~5.002-14		offsite for a background air somple station
17	San Onotro Nuclear Generating Station	4/5/2011	9:00	On Ste	Air Part de Finer	<b>(</b> 5-137	6.306-14		μCi/ce		Clear	•
8	San Onofre Nuclear Generating Station	4/5/2011	9.00	On Site	Air Charcoal	1-131	< MDA		μCi/ct	1.106-13	Clear	
9	San Onofre Nuclear Generating Station	4/5/2011	9:00	Off Site	Air Particle Filter	(1-13)	< MDA		pli/cc	3.00E-13	Clear	
0	San Onoby Nuclear Generating Station	4/5/2011	9.00	Off Site	Air (narcoal	1-131	< MDÅ		µ€√cc	1501-13	Clear	
1	Praine Island Nuclear Generating Plant	4/5/2011	11:30	Off Site	An Charcost	1-131	0.0/	pCI/meter3	<b>μ</b> τητι	1.041.04		Location P-1 11 8 m KKW of PI
2	Comanche Peal Nuclear Power Plan:	4/5/2011	900	Off Site	A r Cnarsoal	1131	8.168-14	pegnicitie	μζι/cc	4 75E-14	Cear	rorgendel i un 11 0 oli benis (i lu
3	Comanche Peak Nuclear Power Planu	4/5/2011	9.00	Off Site	Ai: Particle Effer		< mda		heiler	- 130 14	Clear	
4	Palo Verde Nuclear Generating Station	4/5/2011	9:35	On Site	Ar Charcoal	F131	< mda		pCi/cc	7 218+13		00007 faces 1 = 1 10 6/10 01 b.
5	Paio Verde Nuclear Generating Station	4/5/2011	9.35	On Site	Air Particle Fäter	(5-134	< mda					PVNGS Sample # 2-L1-0538, 21-hour sample
6	Paio Verde Nuclear Generating Station	4/5/2011	935	On Ste	Air Particie Faler	(*137			al sice	9.02E 13		PVNGS Sample # 2-11 0537, 21-hour sample
7	•						< mda	- <b>** *</b> -	uí./cc	£5N-11		PVNGS Sample # 2-11 0537, 21 hour sample
8	River Bend Station	4/5/2011	945	On Ste	Vegetation	+131	< MDA	pCi/kg		60		Inducator sample point located 0.6 miles W.
	River Bend Station	4/5/2011	9.42	On Site	Air Charcoal	131	7 858-02	oC/meter3				Sample point located 0.6 m les WNW
9	River Bend Station	4/5/2011	9:47	On Ste	Air Charcoal	1-131	8.421.02	pCi/meter3			Clear	Sample point located 0.6 m V/s W
0	River Bend Station	4/5/2011	9:31	Officie	Ar Charcol	1433	9 576 02	pCi/meter3			Clear	Sample point located 3.7 miles NW.
1	River Bend Station	4/5/2011	10-35	0115-14	Air Charcoal	1-131	9,56E 02	pCl/meter3			Clear	Sample point located 11.5 miles \$E
2	North Anna Power Station	4/5/2011	12:00	Off Site	Rain Water	1-131	< MDA		µCi/ml	1.615-8	Rain	24 miles NW of plant
3	North Anna Power Station	4/5/2011	12:00	Officie	Rain Water	1-131	< MDA		µCi∤mi	1.63 (-8	Ran	5.5 miles WSW of plant
4	Sán Onolfe Nuclear Generating Station South Texas Project Electric Generating	4/4/3011	900	Off Size	Air Charcoal	1-131	\$ 20E-14		µCi/cc		Clear	
	Station One and Two South Texas Project Electric Generating	4/4/2011	\$41	Op Sts	Air Charcoal	1-131	5.346-14		pCi/cc			24 h sample, date/Line lated is sample start time
6	Station One and Two	4/4/2011	8 41	On Site	Air Pariscle Hiller	1-131	< MDA		uC:/cc	3 845-14		24 h sample; date/time kated is sample start time
1	Paic Verde Nuclear Generating Station	4/4/2011	12:38	On Site	Air Charcoai	1-131	< mda		μCi/α	1726-13	Clear I	PVNGS Sample # 2-11-0524, 29-bour sample
8	Palo Verde Nuclear Generating Station	4/4/2011	12:38	On Site	Air Particle Eilter	Cs-134	< mda		µCı/cc	2041-13	Ciear I	PVNGS Somple # 2-11-0523, 29-nour sample

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### Fukushima Environmental Measurement Data Collection for All Plants

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39	Palo Verde Nuclear Generating Station	4/4/2011	12:38	On Site	Ar: Particle Filter	Cs-137	< mda		pC/cc	2.395-13	Clear	PVNGS Sample # 2-11 (3573, 29-hour sample
40	Kewaunse Power Station	4/4/2011	5:00	Off Site	Ruin Water	1131	1.74E-8		µCi/m		Pain	Two Rive's
41	Kewaunce Power Station	4/4/2011	8:30	On Sile	Rain Water	<b>F131</b>	2.02 E-8		μCi/m		Rain	Site Boundary Facility
42	Kewaunce Power Station	4/4/2011	8:40	On Site	Fain Water	1-131	< MDA				Rain	Sewage Treatment Plant
43	Kewautee Power Station	4/4/2011	8.45	On Site	Rain Water	1-131	2.05 E-8		uCi/ml		Rain	Training Center Roof
44	San Onofre Nuclear Generating Station	4/4/2011	9:00	On Site	Air Particle Hiter	Cs-137	< MDA		μCi/cc	1.50E-13	Cear	
45	San Onofre Nuclear Generating Station	4/4/2011	9:00	On Site	Air Charceat	1-131	< MDA		μC/cc	1.30E-13	Clear	
46	San Onotee Nuclear Generating Station	4/4/2011	9:00	Off Site	Air Particle Filter	Cs-137	< MDA		μΟ/εε	1.50E-13	Cear	
47	Dresden Station	4/4/2011	0:00	On Site	Rain Water	1-131	21.73	pCi/L			Ra n	
48	Donald C. Cook Nuclear Plant	4/4/2011	12:39	On Site	Air Charcoal	1-131	< MDA		μCi/c:	1.998-14		Poniable air station 1 ONS-48; setup near an onsite REMP air station
49	Donaki C. Cook Nuciear Plant	4/4/2011	5:37	Off Size	Air Charcoai	1-131	1.016-13		µCi/cc	1.99E-14		Portable 12r station 1-DOW-8, setup > 20 miles offsite for a bartground air sample station
50	Susquehanna Sieam Electric Stakon	4/4/2011	12:50	Off Say	Air Charcoai	i-131	0.107	pCr/meter 3	μιγα	0.016	Rain	Loc 554 (0.8 m) e E of plant)
51	Quad Cities Station	4/3/2011	0:00	OffSte	Rain Water	1131	17.4	pCysleve s		0.010	Rain	CC 194 (0.0 III: e C 01 p.int)
52	Quad Cities Station	4/3/2011	0:00	Off Site	Rain Water	1-131	119	oCi/L			Rain	
53	Norin Anna Power Station	4/3/2011	. 3:00	On Site	Air Charcoal	1-131	< MDA	a vit	μC./cc	6.23 E-14	Adip	0.6 miles 66 al the along
رد بر	North Anna Power Station	4/3/2011	2.57	On Site	Air Charcoal	1-131	8.27 E-14			0.23 2-14		0.6 miles SE of the plant
55		4/3/2011	/:30	On Site	Air Charcoal	1131	< mda		μΕνία: Ο Ινι		-	0.3 milles NW of the plana
55 55	Palo Verde Nuclear Generating Station Paio Verde Nuclear Generating Station	4/3/2011	7.30	On Sce	Air Charcoal Air Pentice Filter	6151 (5-134	< mda		μC /cc	2.126-13	Cear	PVNGS Sample # 2-11-0508, 23-hour sample
50 57	-	4/3/2011	7:30	On Site	Air Particle Filter	G-137	< mda		µCi/cc	2.50E 13	('par	PVNGS Sample # 2 11-0507, 23-hour sample
57	Paio Verde Nuclear Generating Station South Texas Project Liectric Generating Station One and Two	4/3/2011	8.41	On Site	Air Cnarcoal	1431	< MDA		µCi/cc	3 40E 13	Clear	PVNGS Samp'e # 2-11-0507
20	Souch Texas Project Cleatric Generating	4/2//011	0,41	ON SHE	A4 Chalua	1-131	N NGUA		µCi/cc	2 59E-14	Clear	24 h sample; dateytime listed is sample start time
59	Stat on One and Two	4/3/2011	8;41	On Site	Air Particle Filter	1-131	< MDA		μCI/cc	2.708-14	Clear	24 h sample, date/fine issed is sample start time
Ð	San Confre Nuclear Generating Station	4/3/2011	9.00	On Str	Av Particle Filter	Cs-137	8 SOE-14		μCirc		(ipar	e er en an office muif freine e refin e stratifier breif fissife
61	San Onofre Nuclear Generating Station	4/3/2011	9:00	On Site	Air Charcoal	1-131	< MDA		uCi/cc	7 60E-14	Cear	
62	San Onofre Nuclear Generating Station	4/3/2011	9:00	CH Site	Air Particle Filter	6-137	< MDA		¦µCi/cc	1.102-13	( est	
63	San Onolize Nuclear Generating Station	4/3/2011	9:00	Off Site	Air Chartea:	1-131	< MĎA		µCi/cc	9.00E-14	Cear	
64	San Onofre Huckar Generating Station	4/2/2011	2.00	On Site	Arr Partic e Filter	( - 137	8 90E -14		pC://c		Cirar	
65	San Onofre Nuclear Generating Station	4/2/2011	9.00	DaSie	A. Charroa	1-131	9.60E-14		jiCace		Ciear	
66	San Onofre Nuclear Generating Station	4/2/2011	9_0	Off Sats	Aur Particle Fister	6 137	< MDA		uC/a	\$.60E-14	Clear	
67	San Onofre Nuclear Generating Station	4/1/2011	9.00	01154	Air Charcoal	1-131	5.706-14		μCylcc		Cear	
68	St. Lince Nuclear Power Plant	4/7/2011	: 12:45	On Site	Air Charcoal	1-131	1.29E-13		uti/cc		Clear	Sample julled at Warehouse (Youth of plant)
69	Columbia Generating Station	4/2/2011	9:30	On Site	Air Charcoal	1-131	< maia		ocyce		CICO	74 hour air sample
	South Texas Project Liectry, Generating		1.50	0.34								
70	Station One and Two South Texas Project Electric Generating	4/2/2011	8.41	On Site	Air Particle Filter	1-131	< MDA		μÇi/œ	2.70E 14	Crat	24 h sample: date/time insted is sample start time
71	Station One and Two	4/2/2011	8:41	On Site	Air Charcoal	1-131	2.54E-14		μCı/cc		Ciear	24 h samuel date/time Ested is sample stort time
72	Paio Vérde Nuclear Generating Station	4/2/2011	9:00	Co Site	Air Chargo al	1-131	< mda		,Circ	2.028-13	Ciear	PVNG5 Sample # 2-11-0497, 22 hour sample
73	Paio Verde Nuclear Generating Station	4/1/2011	9.00	ûn Sile	for Party is Filter	6-134	< mda		μ <b>C</b> /cc	3.096-13	(lear	PVNGS Sample # 2-11-0496, 22 hour sample
74	Paio Vorda Nuclear Generating Station	4/2/2011	9:00	On Size	Air Particle Father	(s-137	< mda		µC-/cc	3 03E-13	Clear	PVNGS Sample # 2-11-0496, 22 hour sample
75	Paio Verde Huclear Generating Station	4/1/2011	11-02	On Site	A Charcost	1-131	< mđa		µC/cc	1.56E-13	Cicar	PVNGS Sample # 2-11-0488, 27-hour sample
76	Paio Verde Nuclear Generating Station	4/1/2011	11 02	On Site	Aus Partici a Filter	Ci-134	< mda		uC/cc	2.732 13	Cirar	PVNGS Sample # 2-11 (0487, 27 hour sample
$\overline{n}$	Paio Verde Nuclear Generaling Station	4/1/2011	11 02	On Site	Air Particle Filter	Cs-137	< mda		µCi/cc	2.22E-13	Ciear	PVNGS Sample # 2-11 0457, 27-hour simple
78	Prairie İsland Nuclear Generating Plant South Texas Project Electric Generating	4/1/2011	3.05	On Site	Rajn Water	+131	21.1	¢€/L		7.3	Rein	Location 5-6 0.05 mi N of Pi
79	Station One and Twin South Texas Project Dectric Generating	4/1/2011	841	On Site	Air Charcoal	+131	4 136-14		µC:/cc		('ex	24 h sample: durentime listed is sample start i me
80	Station One and Two	4/1/2011	8.41	On Site	Air Particle Filter	1-131	< MCA		pCi/ec	1.681-14	Clear	24 h sample; date/time is ted is summit start time
81	Wall Cryck Generating Station	4/1/2011	8.25	On Site	Rain Water	1.131	1 601- <b>08</b>		uCr/ml	6.00£-09		Storm water rub off
82	Wolf Creek Generating Station	4/1/2011	17.40	Off Site	Rain Water	+131	1.7.15 08		µCı/mi	6.601-09		Ditch water located 74 miles east of ste
83	Woll Creek Generating Station	4/1/2011	17:52	Off Site	Rain Water	1431	1 566 08		µC•/m!	6.60E-09		Puddle located 14 miles from site
84	Wolf Creek Generating Station	4/1/2011	18 00	Off Site	Pain Water	1-131	2 205-09		µC/ml	6.30E-09		Puddle 14 miles from vite New Strawn, KS
85	Columbia Generating Station	4/1/2011	9:30	On Ste	Ar Charceal	1-131	< mda					74 hour air sample
86	San Onofre Nuclear Generating Station	4/1/2011	9.00	On Site	Air Particle Fitter	Cs-137	< MDA		yCi/cc	1.339 13	Clea:	
87	San Chofre Nuclear Generating Station	4/1/2011	9.00	On Ste	Air Churcoal	1-131	< MCA		µCi/cc	1.401-13	Clear	
28	San Ondere Nuclear Generating Station	4/1/2011	9.00	0#518	Ar Partice Inter	(s-137	1.60[-13		ul //c		('tar	
89	San Onolge Nuclear Generating Station	4/1/2011	9.00	0/15:0	A'r Charcoal	1-131	1.405-13		yColec		Clear	

90	Calvert Cliffs Nuclear Power Plans	4/1/2011	14.00	On Site	Rain Water	1-131	1.465-07		μ0/α		Rain	The sample was a composite to involve sample from many on-site locations.
							1.000		pola		ngur	The sample was a composite rainwater sample from
91	Colvert Cliffs Nuclear Power Plant	4/1/2011	14:00	On Site	Rain Water	Cs-137	1.055-03		μC.i.e		Rain	many on-site locations.
92	NextEra Energy Seabrook	4/1/2011	2:30	On See	Other	1-131	< mda	pCi/L		3.94	Snow	snow, wet (OSB 5(" North end)
93	NoxtEra Energy Septropk	4/1/2011	2:30	On Site	Other	1-131	05	ρũΛ			f.e	and the design strength of the strength of
94	North Anna Power Station	4/1/2011	2:30	Off Site	Rain Water	1-131	< NUA	pure	µCı/ml	1.01 0	Suom	snow, wet (Production Warehouse SE" South end)
95	Byron Station	4/1/2011	0:00	Off Site	Rain Water	1431	40.8	er:h	редня	1971-8	• •	22 miles NE of plant
96	Byron Station	4/1/2011	0.00	Off Site	Rain Water	(s-134	40.0 5.91	pCiA			Rain	20 miles NE of plant
97	Three Mile Bland Nuclear Station	4/1/2011	0.00	On Site	Rain Water	3-134	39.3	pCi/L			Rain	20 miles NE of plant
93	Quad Cities Station	4/1/2011	0:00	OffSite	Rain Water	1-131	39.3 167	pCi/L			Rain	
99	Quad Cities Station	4/1/2011	0:00	Off Site	Rain Water			pCi/L			Rain	
100	Susquehanna Steam Electric Station		14:50			1-131	111	pCi/L			Rain	
100	202006.1919/9 216 911 1222 912 21 21 21 20	-1/1/2011	14:20	Oif Sire	Air Charcoal	1-131	0.105	pCi/meter3		0.0423	Ran	Loc 554 (0.8 mile E of plant)
101	Donaiti C. Cook Nuclear Plant	4/1/2011	9:30	On Site	Air Charcoal	1-131	< MDA		μርι/cc	~7.165-14		Portable air station J-ONS-4B; setup near an ons-te REMP air station
102	Donald C. Cook Nutlear Plant	4/1/2011	5:10	Off 5 te	Air Charcoal	1-131	< MDA		µCi/cc	~6.15£-14		Portable air station J-DOW-B, setup > 20 miles offsite for a background air sample station
							-		F.4			Portable air station I-ONS-48; setup near an onsite
103	Donald C. Cook Nuclear Flant	3/31/2011	14:22	On Site	Air Charcoal	H131	< MDA		pCi/cc	~ 4.47E-14		REMP air station
												Portable air station J-DOW-B, setup > 20 miles
104	Donald C Cook Nuclear Plant	3/31/2011	605	Off Site	As Charcool	+131	6 70E-14		yû/a	* 4.47 <u>(</u> · 14		offite for a background air sample station
105	NextEra Energy Seabrook	3/31/2011	3.47	On Ste	A# Charcoal	+131	5.152-05	pCi/L			Cirar	OSB à€ ' North end
106	North Anna Power Station	3/31/2011	12 00	0fl \$'s	Rolp Water	1-131	7.93E-8		μCi/m)		Rain	24 miles WNW of plant
107	North Anna Power Station	3/31/2011	0.00	Olf Site	Rain Water	· I-131	9841-8		µCi/ml		Ran	24 miles NW of plant
108	North Anna Power Station	3/31/2011	0.00	Off Site	Rain Water	+131	1.76E-7		pCi/m		Rain	5.5 miles WSW of p'ant
10 <del>9</del>	North Anna Power Station	3/31/2011	0:00	Off Site	Rain Water	1-131	3.25 F-8		pCi/mi		Ran	51 miles SSE of plant
[10	Nona Anna Power Station	3/31/2011	0:00	Off Size	Rain Water	1131	7.15 E-8		μCi/ml		fiain	30 miles SE of plant
111	Susquenzona Steam Electric Station	3/31/201)	14 50	Off Site	Air Charcoal	1-131	0.163	pCi/meter3		0.061	Cear	Loc 554 (0 8 mile £ of plant)
				- 4 - 4								Routine monthly REMP sample of gost milk at Site
112	Palo Verde Nuclear Generating Station	3/31/2011	10 00	Off Site	Mik	-131	2	pCi/L			Ciear	#54, NNE 4 m=?e4.
113	River Bend Station	3/31/2011	10:00	Off Size	Vegetation	1-131	70.26	pC/ig		·	Cléar	Control sample point located 19 miles NW.
114	V. C. Summer Hudear Station	3/31/2011	1 20	Off S.M	Air Charcoùi	1-131	0.2165	pCymeter3			Rain	24 hr grab 2.6 m#es SSE of plant
115	Palo Verde Nuclear Generating Station	3/31/2011	8-05	, On Site	Air Charcoal	1-131	< mda		µCi/cc	2.91E-13	Clear	PVNGS Sample # 2-11-0482, 22-bour sample
116	Palo Vorde Nuclear Generating Station	3/31/2011	8:05	On Site	Air Particle Fêter	Cs-134	< mda		µ0/a	4.048-13	C ea:	PVNGS Sample # 2-11-0451, 22-hour samole
117	Paio Verde Nuclear Generating Station	3/31/2011	8:05	On Site	Air Particle Filter	(+137	< mda		μСί/ες	2.88E-13	Clear	PVNGS Sample # 2-11-0481, 22 hour sample
118	V.C. Summer Nuclear Station	3/31/2011	15:05	Off Site	Rain Water	1-131	17.79	pCi/L			Rain	2.6 miles SSE of plant
	South Texas Project Electric Generating		• ••									
119	Station One and Two South Texas Froject Electric Génerating	3/31/2011	8:41	On Site	Air Charcoal	1-131	1.035-13		µCi/ce		Cirar	24 h sample; date/time isted is sample start time
120	Sistion One and Two	3/31/2011	2,01	On Site	Air Particle Filter	1-131	< MDA		µCi/ce	1.616-14	<b>C</b>	The second standing the structure of second
121	San Onofre Nuclear Generating Station	3/31/2011 •	5:00	On Site	Ar Charcoal	1-131	< MDA		μένα	1.501-14	Clear	24 h sample; date/time listed is sense start time
122	San Onofine Nuclear Generating Station	3/31/2011	9:00	On Site	Air Part de Féler	6.137	1 506-13		µCycc µCi/cc	1.94-13	Ciear	
123	San Onofre Nuclear Generating Station	3/31/2011	9:00	Off Site	Ar Charcoal	431	1905-13		pC/cc pCi/cc		Cear	
124	San OnoFre Nuclear Generating Station	3/31/2011	9:00	Off Size	Air Particle Filter	G.137	1 805-13				Ciear	
125	Columbia Generating Station	3/31/2011	9:30	On Site	Ar Charcoal	+131	< mda		at /cc		Cipar	<b>1</b> 11
1.1	COMMOND OF ICE BINK 212100	2/31/2411	3.30	Un dite	Al Ciarcon	-131	N IIRId				Çiear	24 hour als sample
												Weekly compose to AP sample from the pit H131 Bistropal cartridge air samples from 3/30/2011. 0.0339 4/-0.0018.pcU/m3. For comparison the following levels of natura Ty occurring radio-sucides work found: Be-7 = 0.1317 4/-0.0273 and 6.40 a
126	Next Franky Point Beach	3/30/5011	13.00	On Site	Air Particle Filter	1-131	0 0399	pCi/meter3		0.03	Cien	0.0404 +/- 0.0145 pCi/m3.
127	Turkey Paint Nuclear Power Plant	3/30/2011	16:50	Off Site	Air Paul de Filter	1-131	< mda	pCrit		1.176-04	Clear	
123	Turkey Point Nuclear Power Plant	1/30/2011	15:50	Off Site	Air Charcoal	(-13)	< mda	pCyl		8.261-06	Clear	
												Portable air station J-ONS-48; setup near an onside
129	Donald C. Cook Nuclear Plant	3/30/2011	10:19	On Site	Air Chartoal	-131	< MDA		µC/cc	~ 4.78E-14		REMP airstation
130	Turkey Point Nuclear Power Plant	3/30/2011	14 30	Oil Site	Ar Partice Filter	1-131	< mda	pCi/L		1.176-04	Cear	
13i	Turkey Point Nuclear Power Plant	3/30/2011	14-30	Off Site	Air Chartoal	1-131	< mda	pCi/L		8.76E-06	Cicar	
												Portable air station J-DOW-8, setup > 20 miles
132	Donald C. Cook Nuclear Plant	3/30/2011	5.00	Off Site	Al: Charcos	1-131	< MDA		yaCi/cc	5.46E-14		offsite for a background air sample station

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133	Susquehanna Steam Electric Station	3/30/2011	14:50	011 51.	Air Particle Filter	Other	0.0467	pCi/meter3		0.00653	Clear	Loc 554 gross beta (0.8 mile E of plant)
134	Susquensiona Steam Electric Station	3/30/2011	9:15	Off Site	Air Particle Filter	Other	0.0214	pCi/meter3		0.00789	Rain	Loc 352 gross beta (0.5 mile NE of plant)
135	Susquehanna Steam Electric Station	3/30/2011	10.53	Olf Sta	All Particle Filter	Other	0.0215	pCi/meter3		0.00282	Ran	Loc 5G1 gross beta (13.5 m <sup>-</sup> /es ESE of plan:)
136	Susquenanna Steam Eléctric Station	3/30/2011	11:25	Off Site	Air Particle Filter	Other	0.0223	pCi/meter3		0.00275	Fain	Loc 861 gross beta (12 miles SSE of plant)
												Total Strontium, pCI/pad, Sticky Pad about 13(3),
137	Diate Canvon Power Plant	3/30/2011	9:09	Off Site	Other	Other	0.242			0 102	Clase	with 7 day exposure, Station OS2, Site Boundary, NW
101	Diacio Cantifoli Power Fight	22041011	343	On site	Utitet	Other	0.242			0.187	Cear	at 0.5 miles from DCPP, sample date is pull date Total Strontium, pCi/pad, Sticky Pad about 1%31,
												with 7 day exposure, Station SF1, San Luis Obispo,
												ENE at 10.2 miles from DCPP, samp'é date is pull
135	Diapla Canyon Power Plant	3/30/2011	11 30	Off Site	Other	Other	< MDA				Clear	date
139	Susquehanna Steam Electric Station	3/30/2011	10:01	OH Site	Air Part-de Filter	Other	0 0239	pCi/meter3		0.00315	Rain	Loc 12E1 gross beta(4.7 miles WSW of plant)
140	Susquehanna Steum Electric Station	3/30/2011	9.29	Off Site	Air Particle Filter	Other	0.0272	pCi/meter3		0 00312	Rain	Loc 1356 gross beta (0.4 m le W of plant)
141	Susquehanna Steam Electric Station	3/30/2011	9 44	Off Site	Air Panicle Filter	Other	0.0201	pCi/meter3		0.00318	Rain	Loc 12S1 gross beta(0.4 m/e WSW of plant)
142	Oyster Creek Nuclear Generating Station	3/30/2011	8.00	On Site	Air Charcoal	1-131	0 062	pCi/meter3			Clear	
143	Umerick Generating Station	3/30/7011	10:10	Off Site	Mik	1-131	< mda	pCi/meter3			Clear	
144	North Anna Power Station	3/30/2011	735	On Say	Air Charcoa	1-131	3./81-13		pC/tc			0.3 miles my of the plant
145	North Anna Pewer Station	3/30/2011	2:38	On Site	Air Charcoal	1-131	3.1S E-13		µCı/cc			0.6 miles SE of the plant
												pC/pad, Stirley Pad about 1X 3', with 1 week
				<b>NI 6</b>	•	C : 433						exposure, Station OS2, She Boundary, NVV at 0.5
146	Diablo Canyon Power Plant	3/30/2011	9.09	Off Site	Other	Cs-137	44.8			9 05	Clear	miles from DCPP Station 701, front gate to DCPP in Avila Beach, <u>ESE</u>
												at 6.5 mJes from DCPP, 7 day run toutied on sample
147	Diablo Canyon Power Plant	3/30/2011	8:20	Off Site	Air Charcoal	1-131	0.314	pCi/meter3		5.74E-03	Clear	date)
												Station 571, San Luis Obispo, ENF at 102 miles from
148	Diable Canyon Power Plant	3/30/2011	7:54	Off Sile	Air Charcoal	1-131	0 325	pCi/meter3		3.536-03	Clear	DCPP, 7 day run (pulled on sample date)
149	Diable Canvon Power Plant	3/30/2011	8:49	On Site	Air Charcoal	1-131	0 358	pCi/meter3		8.395-03	Clear	Station BS1. Onsite , ST at 0.5 mules from DCPP, 7 day run (pulled on sample date)
•••												Station OS2, Site Boundary, NW at 0.5 miles from
150	Diabid Canyon Power Plans	3/30/2011	9-09	Off Size	A: Charlos	1-131	0.334	pCi/meter3		6.97E-03	Clear	DCPP, 7 day run (oulled on sample date)
		-		A11 4				•				
151	Grand Gull Noticar Station	3/30/2011	12.00	OH Site	Air Charcoal	1-131	0.0724	pCi/meter3		0 07	Rain	Sample collected from AS-3 (Vicksburg) 3/21-3/30 pC/pad, Sticky Pad about 1% 31, with 1 week
												exposure, Station SF1, San Luis Obispo, ENE at 10.2
152	Diablo Canyon Power Plans	3/30/2011	11:30	Off Site	Other	1-131	257			10	Clear	miles from DCPP
		•										pC/cod, Sticky Pad about 1'X 3', with 1 week
	All Company Prove Prove	1/30/2011	11:30	Off Site	Other	Cs-134	4)			10.7		exposure, Station SF1, San Luis Obispo, FNT at 10.2
153	Diablo Canyon Power Plant	3/30/2011	11.30	011 245	Glinei	C5/134	43			10.6	Cear	miles from DCPP prOlpad, Stirty Paid about 1X 31, with 1 week
												exposure, Station 5F1, San Luis Obispo, ENE at 10.2
154	Diablo Canyon Power Plant	1/30/7011	11.30	Off Site	Other	Cs-137	42.2			in	Cear	miles from DCPP
												pC/pad, Sticky Pad about 1X 3", with 1 week
155	Diable Canyon Power Plant	3/30/2011	\$:09	Off Sile	Other	1-131	18.3			8.43	Clear	exposure, Station 062, Ste Boundary, NW at 0.5 miles from DCPP
	Party conjunt over 1,8-0	.,					2017			4.42	Cical	pC/pad, Sticky Pad about 13:31; with 1 week
			;									exposure, Station 052, Site Boundary, NW at 0.5
156	D abio Canyon Power Plant	3/30/2011	0.09	Off Sie	Othe-	Cs-134	70.1			9.66	Clear	miles from DCPP
157	Monticello Nuclear Generating Plant	3/30/2011	9:00	GIF Site	Air Charcoal	4-131	0 066	pCi/meter3		0.03	Cear	11.0 miles NW
158	Mora cello Nuclear Generating Plant	3/30/2011	9:00	On Sie	Air Charcoal	1431	0.055	pCi/meter3		0.03	Clear	0.8 miles SE
159	Montizello Nuclear Generating Plant	3/30/2011	9:00	On Site	Air Charcoai	+131	0.05	oCymeter3		0.03	Ciea:	0.6 miles ESE
160	Monticelo Nuclear Generating Plant	3/30/2011	9:00	Qn S.(e	Air Charcoal	1431	0.061	pCi/meter3		003	Clear	0.8 m <sup>-1</sup> =: SSE
161	Monticella Nuclear Generaung Plant	3/30/2011	9:00	Off Ste	Ay Charcoal Ay Particle Filter	14131 Other	0.047	pCi/meter3		0.03	Clear	2.6 nuies SF
162	Susquetanna Steam Electric Station	3/30/2011 3/30/2011	9:29 2 10:10	Off Ste Off Ste	MA	01her 1-131	0 04667	pCi/meter3 pCi/meter3		0.001454	Clear	Loc 1356Q gross beta (0.4 m le W of plant) Controi Dairy
163 164	Three Mile Island Nuclear Station		14:50	Off Size	A'r Charcoan	1121	< mda 0.062	pCr/meter3		0012	Ciear	· •
164 155	Susqueitarina Steam Electric Station Susqueitarina Steam Electric Station	3/30/7011 3/30/2011	14:50	Off Side	Air Charcoal	P131  -131	0.0371	pCi/meter3		0.012	Clear Clear	Loc 554 (0.8 m.le 2 of the plant) Loc 352 (0.5 m.le fill of plant)
165	Susquehanna Steam Electric Station	3/30/2011	9:29	Off Size	Air Charcea	1-131	0.053	pCi/meter3		0.0126	Ciear	Loc 13% (0.4 mile W of plant)
167	Surguehanna Steam Electric Station	3/30/2011	9:25	Olf Sta	Air Charceal	1-131	0.6429	pCi/metar3		0.0172	(lear	Loc. 1251 (0.4 mile WSW of plant)
163	Susquehima Steam Electric Station	3/30/2011	10:01	Off Size	Ali Charcoai	1-131	0.0429	pCi/meter3		0.0158	Clear	Loc 12E1 (4.7 m²es WSW of plant)
169	Surguehanna Steam Electric Station	3/30/2011	10.53	Off Sile	Air Charceal	1-131	0.063	pC/meter3		0.0173	Clear	Loc 6G1 (13.5 miles ESF of plant)
	• • • •											

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170	Susquehanna Steam Pocchic Station	3/30/2011	11-25	CH Site	Air Charcoal	1-131	0.0224	pCI/meter3		0.019	Clear	Loc BG1 (12 m7es SSE of plant)
171	Susquehanna Steam Electric Station	3/30/2011	10:04	Off Site	Other	1-131	< mda	a <b>f</b> :h		5 85	Clear	Las 1983 Duisting Margari 90 - Paraticity of also to
172	Susquehanna Steam Pector Station	3/30/2011	11:39	Off Site	Other	1-131	< maa < mda	ρCi/L ρCi/L		5 85 6.16	Clear	Loc 17H2 Drinking Water ( 26 miles WSW of plant) Loc 656 River Intaky (0.8 mile ESE of plant)
172	and bestering a construction and the	5/ 50/2011	11.35	ON ME	out;	1151	1008	pc//c		6.10	Clear	Station SF1, San Lais Obispo, ENE at 10.2 miles from
173	Diablo Canyon Power Plant	3/30/2011	7:54	Off Site	Air Particle Filter	1-131	0.04027	pCl/meter3		0.0052	Clear	DCPP, 7 day run (pulled on sample date)
								, , ,				Station SF1, San Luis Obispo, ENE at 10.2 miles from
174	Diablo Canyon Power Plant	3/30/2011	7:54	Off Site	Air Particle Filter	Cs-137	0.0122	pCi/meter3		0 0045	Ciear	DCPP, 7 day run (pulled on sample date)
												Station 5F1, San Luis Obispo, FNE at 10.2 miles from
175	Ci ablo Canyon Power Hant	3/30/2011	7:54	Off Site	Air Particle Filter	G-134	0.01056	pCymeter3		0.0054	('ear	DCPP, 7 day run (pulled on samp'e date) Station 701, from gate to DCPP in Avila Bouch, ESE
												at 6.6 miles from DCPP, 7 day run (pulled on sample
176	Diable Canyon Power Frant	3/30/2011	8.20	OH Sue	Air Particle Filter	1-131	0.03771	pCi/meter3		0 0049	Clear	date)
												Station 7D1, front gate to DCPP in Avila Beach, ESE
												at 6.6 miles from DCPP, 7 day run (puiled on sample
177	Diablo Canyon Power Plant	3/30/2011	8:20	Off Sie	A r Particle Filter	(5-137	0.01	pCi/meter3		0.0049	Clear	date) Factor 201, transmission DCDD in the Provent FFF
												Station 7D1, front gate to DCPP in Avila Beach, FSE at 6.6 miles from DCPP, 7 day run (pulled on sample
178	Diablo Canyon Power Plant	3/30/2011	8:20	Off Ste	Air Particle Filter	Cs-134	0 0065	pCi/meter.3		0.0042	Clear	
•												Stat on BS1, Onsite , SL at 0.5 miles from DCPP, 7
179	Diablo Canyon Power Hian:	3/30/2011	8:49	0n Ste	Air Particle Hiter	+131	0 05369	pCi/meter3		0.0046	Clear	day run (pulled on sample date)
					1 m - 1 m <sup>3</sup> 7'							Station 851, On-Tre, SE at 0.5 miles from DCPP, 7
180	Diable Canyon Power Plant	3/30/2011	8 49	On Site	Ar Particle filter	Cs-137	0.01359	pCi/meter3		0.0048	Clea:	day run (pulled on sample date) Stat on 851, Onsile , SE at 0.5 miles from DCPP, 7
181	Diablo Canyon Power Plant	3/30/2011	8:49	On Site	Air Particle Filter	6:134	0.01327	pCi/meter3		0.0055	Clear	day run (outled on sample date)
								,				Station 052, Site Boundary, NW at 0.5 miles from
182	Diable Canyon Power Flant	3/30/2011	9.09	Off Sale	As Particle Facer	1-131	0.03627	pCi/meter3		0.0049	Ciear	DCPP, 7 day run (pu'led on sample date)
								<i>et</i>				Station 052, Site Boundary, NW at 0.5 miles from
183	D ablo Canyon Power Plant	3/30/2011	909	Off Site	Air Particle Filter	(54)37	0.01542	pCi/meter3		0 0056	Ciear	DCP?, 7 day run (pu'led an samp'e date) Sector K 207 degress from true North D 59 miles
184	Fort Calibour Station	3/30/2011	13:00	Off Siz	Ar Charcasi	1-131	0.iv	pCi/meter3			Gear	from center of Containment
•••	· • •											Sector P 305 degrees from true North 2.86 miles
185	Fort Calibour Station	3/30/2011	13:00	Off Site	Air Charcoái	1-131	0 128	oCi/meter3			Clear	from centre of Containment
												Sector L 221 degrees from true North 19.6 miles
184	Fort Calibour Station	3/30/2011	-13:00	On Sile	Air Charcoùl	1-131	0 133	pC/meter3			(kar	from center of Containment. Control sample location.
186	FOR CARIOLAL STREET	7/2011	-13 00	Utilite	An Charcos	1-131	0103	paymeters			UH31	Sector G 114 degrees from true North 1.57 miles
187	Fort Califour Station	3/30/2011	-13:00	Off Size	Air Charcoal	1-131	0.114	pCi/meter3			Ciear	from center of Containsmit.
												Sector J 175 degrees from true North 0.73 miles
182	Fort Calibration	3/30/2011	,13.00	Off Site	Air Charcoal	1-131	0 129	pCi/meter3			Ciear	from center of Containment.
189	Fort Calinoun Station	3/30/2011	13:00	Off Ste	Air Charcoal	1:131	0.12	pCI/meter3			(lear	Sector H 163 degrees from true North 0.65 miles from center of Containment
187	FOLL CHEMOUR STREAM	3/30/2011	50	On Str	HI CITA-COS	1:121	0.12	penaeters			(re	0.020 +/- 0.022 95% CONTIDENCE LIMIT 2400' SSE
190	NextLin Energy Point Beach	3/30/2011	13:17	On Site	A Charcoal	I-131	0.08	pCi/meter3		0.03	Cear	SECTOR
191	Nevilla Energy Point Beach	3/30/2011	1257	On Site	Air Charcoal	F131	0.058	pCi/mater3		0.03	(***	0 055 +/- 0.023 4200' SSW SECTOR
192	Nex; Era Energy Point Beach	3/30/2011	13 55	On S-te	A'r Charcoal	1-131	830.0	pCi/meter3		0.03	Cigar	0 068 v/ 0.019 4200' W SECTOR
193	NextEra Energy Point Beach	3/30/2011	13:44	On Site	Air Particle Liter	1-131	0.125	pC/meter3		0.03	Clear	0.175 +/- 0 027 6000" NNW SECTOR
191	NextEra Energy Point Beach	3/30/2011	24:12	Off Size	A / Charcool	+131	0 086	pCi/meter3		0.03	Ciear	0.086 +/- 0 023 5.6 MILES WHW SECTOR
195	Neustra Energy Point Beach	3/30/2011	15:28	OffSie	A.: Charcoal	1-131	0122	pCi/meter3		0.03	C'#3r	0 122 +/- 0.025 17 MILES WSW SECTOR
				• •								Ironde Condensate Storage Tank dike area inside
156	Grand Gull Muclear Station	3/30/2011	12.00	On Site	Fain Water	+131	\$ 70E-09		µCi/ml	+/-2.609	Rata	BCA
197	Columbia Generating Station South Texas Project Decine Generating	3/30/2011	9.30	On Ste	Air Charcoal	1-131	< mda				Ciear	24 hour dir sample
193	Station One and Two	3/30/2011	8:41	On Site	A'r Charcoal	i-131	1 08E-13		pEr/cc		Ciear	24 h sample; date/time Ssied is camp'e start time
	South Texas Project Electric Generating								,			· · · · · · · · · · · · · · · · · · ·
199	Station One and Two	3/30/2011	8.41	On Site	An Parizie Filter	1-131	< MDA		µCī/cc	4.91E-14	Gear	24 h sample; date/time listed is sample start time
200	Palo Verde Nuclear Generating Station	3/30/2011	10/32	On Ste	Ar Charcoal	1-131	< mda		pCl/cc	2.576-13	Clea:	PVNGS Samate # 2-11-0471, 24-bour sample
201	Pato Verde Nuclear Generating Station	3/30/2011	10:3?	On Ste	As Parade Filter	Ci-134	< mca		µC+/it	3.498-13	Clear	PVNGS Sample # 7-11-0470, 24-hour sample
202	Palo Voide Nuclear Generating Station	3/30/2011	10:3?	On Ste	Air Particle Filter	6 137	< mda		j⊈i/ec	2.55£ 13	Clear	PVNGS Sample # 2-11 GV70, 24-hour sample
203	V.C. Summer Nuclear Station	3/30/2011	15:00	Off Ste	Air Charcoai	1-131	0.234	pCymeter3	•		ka n	24 hr grad 2.6 miles SSE of plant
204	V. C. Summer Nuclear Station	3/30/2011	15:00	OffSæ	Rais Water National de Char	+131	15.73	pCi/L	<i>e</i> .		Rain	2.6 miles SSE of plant
70 <u>5</u>	San Onofre Nuclear Generating Station	3/30/2011	9.00	0a\$te On Sin	Air Particle Filter Air Charcoal	(3-137 (- 137	< MDA		pCi/ct	1.50E-13	Other	Forey
205	San Chofre Nuclear Generating Station	3/30/2011	9.00	On Sile	Pa CitalCoal	(s-137	190E-13		µCi/cc		Other	Forry

and a second 
207	San Onofre Nuclear Generating Station	3/30/2011	9:00	On Site	Air Charcoal	1-131	2.206-13		μ0/te		Other	Fozzy
208	San Onolre Nuclear Generating Station	3/30/2011	9-00	<b>Off Site</b>	Av Panicle Filter	Cs-137	3 10€-13		μСι/α		Other	fozy
209	San Onofre Nuclear Generating Station	3/30/2011	9:00	Olf Sta	Air Charcoal	+131	2.101-13		µCi/cc		Other	Forey
	Mine M. F. Bolins Musican Association		12.00	011.0	المراجع المراجع		0.020				<b>6</b>	Weather Mix of Rain/ Snow during sample period
210	Nine M'# Point Nuclear Station	3/29/2011	12:00	Off Site	Air Charcoal	1-131	0.038	pCi/meter3			Ran	3/22/2011 - 3/29/7011 Weather Mix of Rain/ Snow during sample period
213	Nine Mile Point Nuclear Station	3/29/2011	12:00	Off Ste	Air Charcoal	1-131	0.034	pC/meter3			Rain	3/22/2011 + 3/29/2011
												Weather Mix of Rain/ Snow, during sample period
212	Nine Mile Point Nuclear Station	3/29/2011	12:00	Off Site	Air Charcoal	1214	0.033	pCi/meter3			Rain	3/12/2011 - 3/29/2011
	Ning M 'e Point Nuclear Station	3/29/2011	12:00	Oll Sile	Air Charcoal	+131	0.042	pCi/meter3			Rain	Weatner Mix of Rain/ Snow during sample period 3/22/2011 - 3/29/2011
213	u 26 in 4 Loui uncien presin	man	12.00	OU THE	AB CHAICAN	-131	0.042	acimero a			ngin	Weather Mix of Rain/ Snow during sample per od
214	Nine Mile Point Nuclear Station	3/29/2011	12:00	Oif Sne	Air Chanceal	1-131	0.032	pCi/meter3			Rain	3/77/2011 - 3/29/2011
												Weather Mix of Rain/ Snow during sample period
215	Nine Mile Point Nuclear Station	3/29/2011	12:00	offste	Air Charcoal	1-131	0.013	pCi/meter3			Ran	3/22/2011 - 3/29/2011 Weather Mux of Rain/ Snow during sample period
216	None Mille Point Nuclear Station	3/29/2011	12:00	OII Site	Air Charcoal	1-131	0.028	pCi/meter3			Rain	3/77/2011 - 3/79/7011
110												Weather Mix of Rain/ Snow during sample period
217	Nine Mile Point Nuclear Station	3/29/2011	12 00	Off Site	Air Charcoa!	1-131	0.0\$6	pCi/meter3			Rain	3/22/2011 - 3/29/2011
							0.025					Weather Mix of Rain/ Snow during sample period
218	Nine Mile Point Nuclear Station	3/29/2011	12 00 9:04	Off Ste	Air Charcoal Air Charcoal	1-131 1-131	0.025 0.08	pCi/meter3		0.03	Rain	3/22/2911 - 3/29/2011
219	Watts Bar Nuclear Plant Watts Bar Nuclear Plant	3/29/2011 3/29/2011	9:32	On Ste On Ste	Air Charcoal Air Charcoal	1-131	0.09	pCi/meter3 pCi/meter3		0.03		
220	Math of More Mark	91292011	7.32	On Hit	All Collected	(-131	0.05	<b>Antines</b> 1		0.03		
												looine-131 was identified in our weekly effluent
												samples taken from the Radwaste Building Stack. The concentration was approximately the same as
												the positive environmental samples. The plant has
												no indication of fuel factores at this tune.
												Containment all samples showed no todine for the
221	Fort Californ Station	3/29/2011	6:29	On Site	Air Charcoal	1-131	1.28E-13		pCi/cc			Same sample
m	Prane Island Nuclear Generating Plant	3/29/2011	11.15	011 510	Air Charcoal	1433	80.0	pCi/meter3			Clear	Location P-1 11.8 mi NNV of Pl
												lod na-131 was identified mour weekly effluent
												samples taken from the Autiliary Building Stack. The
												concentration was approximately the same as the positive environmental kamples. The plant has no
												inditation of fuel fatures at this time. Containment
273	For Calingua Station	3/29/2011	6:19	00.5.1	A : Charcoal	1431	1.02E-13		pCi/cc			air samples showed no lodine for the same samp!
774	San Onoire Unclear Generating Station	3/29/2011	9:00	Off Ste	Art Chiltons'	+ 131	1 00E-13		μίγα		Gear	
225	Palo Vende Nuclear Generating Station	3/29/2011.	10:20	On Size	An Charcoal	F131	1.44E-13		uG/a		Ciea:	PVNGS Sample # 2-11-0463, 24-hour sample
226	Palo Vende Naciear Generating Station	3/29/2011	10:20	ôn Stæ	Air Particle Filter	(s·134	< mda		µC₀/cc	3.51E-13	Cear	PVNGS Sample # 2-11-0452, 24-hour sample
727	Palo Verde Huclear Generating Station	3/29/2011	10:20	On Ste	Air Particle Filter	G-137	< mda		pCifec	296[-13	Ciear	PVNGS Sample # 2-11-0462, 24-hour sample
2:3	San Onolite Nuclear Generating Station	3/29/2011	900	On Ste	A's Charcoal	1-131	2.00(-13		uline		C,631	
279	San Onofre Nuclear Generating Station	3/29/2011	9:00	On Sca	A' Particle Fille:	(5-137	< MDA		pCi/ic	2.001-13	Clear	
292	San Onofre Nuclear Generating Station	3/29/2011	9.00	011 5:2	A · Particle Filter	(5-137	7.006-13		µ€v/cc		(lear Osur	
231	Comanche Peak Nuclear Power Plant	3/29/2011	8,00	Off Ske	A:r Charcoal A'r Partièle Fiker	1-131	1.82E-13 < mda		µCi/cc	6.73E-14	Clear	
242	Cumarche Peak Nuclear Power Plant	3/29/2011	£00 15:00	Oli Ste Oli Ste	Ar Charcos	1-131	0.2339	pCi/meter3			(Jean	24 hr grab 2.6 m?es SSE of plant
233	V. C. Summer Nuclear Station	3/29/2011	11.00	111 212	An Crarcity	(1)1	0.2333	performance a			Ora	54 In \$143 Y.0 INSEE 331 Or \$1510
												Sample was taken within the Owner Control ed Area
234	Pelsades Nuclear Flori	3/29/2011	10,30	On Site	Air Chartóai	ʻ 1-131	0 088	pCi/meter3		0.07	Clear	but must de Protected Area, O & miles NE of plant.
235	Palasides Nuclear Plant	3/29/2011	10:42	OH Site	Air Charcoal	1-131	0.071	p(i/meter3		0 07	Clear	Sample was taken 1.5 miles south of the plant.
235	Palizides Nuclear Flort	3/29/2011	10.51	offste	Air Charcoal	1-131	0.08	oCi/meter3		0.07	Cjear Cjear	Sample was taken 3.9 miles SE of plant.
237	Pailsades Nuclear Plant	3/29/2011	10.58	0/15:38	Air Charcoal	1-131	0.098	pCi/meter3		0 07	Cer	Samole was taken 5.8 m les ESE of plant.
												Routine 7 day environmental sample, Date is sample
	South Texas Project Electric Generating											STOP date. Hime approximate, if-5 hours location
233	Station One and Two	3/29/2011	12:00	On Site	Air Charcoal	1-131	8.19E-14		yCi/cc		Clear	at she boundary *1 m/6 N from units.

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Construction of the second 
239	South Texas Project Electric Generating Stabon One and Two	3/29/2011	12:00	On Site	Air Charcoal	1-131	1.0 <i>H</i> -13	μ <sup>C</sup> i/cc	Cicar	Routine 7 day environmental sample, Date is sample STOP date. Time approximate, vF-S hours. Lecturon at site boundary *1 mile NVy from units.
240	South Texas Project Electric Generating Station One and Two	3/29/2011	12:00	On Site	Air Charcoal	1-131	9.92E-14	μCi/cc	Clear	Routine 7 day environmental sample. STOP date: Tone aoprocintate, 4/-5 hours. Location at site boundary *1 m/se RNW from units. Routee 7 date environmental sample. Date is sample
241	South Texas Project Electric Generating Station One and Two	3/29/2011	12:00	Off Site	Air Charcoal	1-131	1.062-14	μG/cc	Clear	STOP date. Tone approximate, +/- 5 hours. Location 5.5 miles NNL from units Routine 7 day environmental sample. Date is sample
242	South Texas Project Electric Generating Station One and Two	3/29/2011	12:00	Off Site	Air Charcoal	1-131	9.138-14	μCi/cc	Clear	STOP date. Time approximate, +/-5 hours, Location 14 miles NNE from units. Routine 7 day environmental sample. Date is sample
243	South Texas Project Electric Generating Station One and Two	3/29/2011	12:00	Off Site	Air Charceal	1-131	-1.07E-14	μCi/cc	Clear	STOP date. Time approximate, +/- 5 hours. Location 8.5 miles SSE from units. Routine 7 day environmental sample, Date is sample
244	South Texas Project Elector Generating Station One and Two	3/29/2011	12.00	Ofi S +	Air Charcoal	1-131	9.29E-14	µC1/ec	Cear	STOP date. Time approximate, +/-5 hours. Location 10 miles WSW from units Routine 7 day environmental sample. Date is sample
245	South Texas Project Electric Generating Station One and Two	3/29/2011	12:00	Cff Sxe	Air Charcoal	+131	1.076-14	μ <sup>(</sup> Ci/cc	Clear	STOP date. Time approximate, +/-5 hours. Location 9 miles NW from units.
245	South Texas Project Electric Generating Station One and Two	3/19/7011	12:00	On Sta	Air Panisse Filter	(s-134	2.84[-14	μίν/κς	Clear	Routine 7 day environmental sample. Date is sample STOP date. Time approximate, +/- 5 hours. Location at site boundary ~1 mile N from units.
247	South Texas Project Electric Generating Station One and Two	3/29/2011	12:00	On Sile	Air Particle Filter	Cs-137	2.80E-14	pCific	(lear	Rourine 7 day environmental sample. Daré is sample STOP date. Time approximate, 4/-5 hours. Location at site boundary ~1 mile H from units.
243	South Tetas Project Electors Generating Statum Che and Two	3/29/7011	1200	On Str	Air Panule Hiker	1-131	3.177-15	μΓήζε	Clear	Routine 7 day environmental sample. Date is sample STOP date. Time approximate, 47: Stours, Location at site boundary *1 mfe/N from units.
249	South Teast Project Floring Generating Station One and Two	3/29/2011	12:00	On Sile	Air Panide Alter	1-131	3.682-15	μί)/ες	Cicar	Routine 7 day environmental sample, Date is sample STOP date, Time approximate, +/- 5 hours, Location at site boundary ~1 mile HNW from units.
250	South Texas Project Electric Generating Station One and Two	3/29/2011	12.00	ChSt:	Air Particle Hitter	+131	2.52E-İS	yťi/cc	Clear	Routine 7 day environmental sample. Date is sample STOP date. Time approximate, vf-5 hours (coation) at site boundary ~1 m/e NW from units.
251	South Texas Project Electric Generating Station One and Two	3/29/2011	12:00	On Sile	Air Particle Filter	Cs-134	3.10E-15	µG/cc	Clear	Rourine 7 day environmental sample. Date is sample STOP date. Time approximate, +4 S hours. Location at site boundary 1 m/c NW from units.
252	South Texas Project Electric Generating Station One and Two	3/29/2011	12:00	On Sile	Air Particle Filter	¢ B/	5.07E-15	pG/cc	Clear	Routine 7 day environmentul somple. Date 10 sample STOP date, linne approximale, 4/5 shouts, location at ste boundary "I m"# YM from units. Routine 7 day environmental sample. Date is sample
253	South Taxas Project Electric Generaling Station One and Two	3/29/2011	12.00	045.	Air Partide Filter	1-131	2.751-15	μίλα	Clear	STOP date. Time approximate, sh 5 hours, Location 10 miles WSIV from units. Routine 7 day environmental sample. Date is semple
254	South Texas Prosect Electric Generating Station One and Two	3/29/2011	12.00	Off Site	Air Particle Filter	CC 137	1.571-15	μCi/cc ,	Clear	STOP date. Thre approximate. +/-S hours. Location 10 miles WSW from units. Routine 7 day environmental sample. Date is sample
255	South Texas Project Electric Generating Mation Que and Two	3/29/2011	12:00	Off Site	Air Panide filter	1-131	5,12[-15	μCi/cc	Clear	STOP date. Time approximate. +/-S hours. Location 9 miles NW from units. Routine 7 day issurancental sample. Date is sample
255	South Texas Project Electric Generating Station One and Two	3/29/2011	12:00	Office	Als Particle Filter	1-131	6.311-15	µ€\/cc	Clear	STOP date. Time approximate, */- 5 hours. Location 14 mEas NNE from units. Routine 7 day environmental sample. Date is sample
257	South Texas Project Electric Generating Station One and Two	3/29/2011	12:00	CH Sur	Au Farricie filter	1-131	4.51£-15	μίνζε	Cleat	STOP date: Time approximate, 91-5 hours. Location 5.5 miles NHE from units.

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	South Texas Project Electric Generating										:	Routine 7 day environmental sample. Date is sample STOP date: Time approximate, i/-S hours, Location
258	Station One and Two	3/29/2011	12:00	Off Size	Air Particle Filter	Cs-137	2.54E-15		µCi/cc		Clear	5.5 miles NNE from units.
259	Sequoyan Nuclear Plant	3/29/2011	10:53	Off Site	Air Charcoal	1-131	0.05	pCi/meter3		0.03		
260	Catawoa Nacietar Station	3/29/2011	10:48	On Site	Air Particle Filter	¥-131	1.72E-02	pC/mater3		4.45E-03	Clear	S.te Boundary
261	Catawba Nuclear Station	3/29/2011	10:48	On Site	Air Particle Filter	Cs-137	2.50£-03	pCi/meter3		S.34L 03	Clear	Srte Boundary
262	Catawbo Nucleor Station	3/29/2011	9:12	On Site	Air Particle Hiter	1-131	2.00E 02	pCi/mater3		5.351.03	Clear	S te Boundary
263	Catawba Nuclear Station	3/29/2011	9:12	On Site	Air Particle Friter	Cs-137	3.92E-03	pC/meter3		6.672-03	Clear	S te Boundary
264	Catawba Nuclear Station	3/29/2011	9:50	Ca Site	Air Particle Filter	1-131	9.25E-03	pCi/meter3		3.971-03	Clear	Site Boundary
265	Catawaa Nuclear Station	3/29/2011	11:17	Off Siz	Air Particle Filter	1-131	9.53E 03	pCi/meter3		5.44E-03	Clear	3.32 miles E of plan:
266	Catawiza Nuclear Station	3/29/2011	8:46	Off Size	Air Particle Filter	1-131	1.055-02	pCi/meter3		4.3/E-03	Clear	9.84 miles W of plant
267	Catawba Nuciear Station	3/29/2011	10.43	On Sta	Air Charcoal	1-131	8.12E-02	pCi/meter3		8.832-03	Clear	Site Boundary
268	Catawba Nuclear Stat on	3/29/2011	9:12	On Ste	Air Charcoal	1-131	4.89E-02	pCi/meter3		9.96E-03	· Clear	Site Boundary
269	Catawba Nuclear Station	3/29/2011	9:50	On Ste	Air Churcoal	(-131	2.71E-02	pCi/meter3		1.03E-02	Clear	Ste Boundary
270	Catawba Nuclear Station	3/29/2011	11:17	On See	Air Charcoal	1-131	6.14E-02	pCi/meter3		7.55E-03	Clear	3.32 miles E of plant
271	Catawba Nuclear Station	3/29/2011	8:46	OH Ste	Air Charcoal	1-131	8.08E-0Z	pCi/meter3		5.71E-03		9.84 miles W of plant
272	Watts Bar Nuclear Plant	3/29/2011	10:53	Off Size	Air Charcoal	ŀ-131	0.05	pCi/meter3		0 03		
273	Sequoyán fluciear Plant	3/29/2011	11:05	On Ste	Air Charcoal	1-131	0.07	pCr/meter3		0.03		
274	Sepuoyah Nuclear Plant	3/29/2011	10.27	On Site	Air Charcoal	1-131	0.09	pCi/meter3		0.03	١.	
275	Sequoyah Nuclear Plant	3/79/2011	11:46	On Site	Air Charcoal	1-131	0.06	pC/meter3		0.03		
2/6	Sequoyah Nuclear Plant	3/79/2011	12.16	0/15te	Air Charcoal	1-131	0 07	pCi/meter3		0.03		
277	Sequeyah Nuclear Plant	3/29/2011	9.46	Oll Ste	Air Charcoal	1-131	0 05	pCl/meter3		0.03		
278	South Texas Project Electric Generating Station One and Two	3/29/2011	8:41	On Sile	Air Charcoal	1-131	4070-14	<i>population</i>	µCi/cc		(lea:	24 h sample; dute/lime istad is sample sturt time
	South Texas Project Electric Generaling											
279	Station One and Two	3/29/2011	841	On Site	Air Particle Filter	1-131	< MDA		pCi/cc	1.81E-14	. Clear	24 h sample; date/time listed is sample start time
280	Columbia Generating Station	3/29/2011	12:00	Off Size	Air Charcoal	1-131	2 092-01	pCi/meter3				REMP Station 9 approx 28 miles from site collected
281	Columbia Generating Station	3/29/2011	9:30	On Site	Air Charcoal	1-131	4.0.2 13	bramerer 2	. Ciles			3/22 -3/29/11
<b>C</b> -11	Colonio a Conferencie Marion	312312011	<b>J.J</b> .	Out the	All Crarcoa	1131	4.0.1.1.5		μCi/α		Clear	24 hour air sample Routine weekly REMP air sample, Site 4, 3/22/2011 -
282	Paio Vertle Nuclear Generating Station	3/29/2011	13:20	Off Site	Air Charcoal	1-131	0.531	pC/meter3			(lear	3/29/2011; East 16 miles.
	•							,,,.,,				Routine weekly REMP air samo'e, Site 6A, 3/22/2011
28j	Pain Verde Hucicar Generating Station	3/29/2011	12:45	OffSte	Air Charcoal	1-131	0.528	pCi/meter3			Clear	- 3/29/2011, SSE 13 miles.
												Routine weekly REMP ar sample, Site 7A, 3/22/2011
284	Palo Verde Instiear Generating Station	3/29/2011	1210	Off Site	Air Charcoal	1-131	0.546	pCi/meter3			Clear	- 3/29/2011, ESE 3 miles
105	fola Voidà Ibudana Cananatas faman	200/2011	11:46	00 5 4	ALC: Chairman		0.007					Routine weekly REMP air sample, Site 144,
285	Palo Verdé Hudear Generating Station	3/29/2011	TENG	Off Site	Air Charcost	1-131	0.607	pCr/meter3			Clear	3/22/2011 - 3/29/2011, NNL 2 miles
286	Palo Verde Nuclear Générating Station	3/29/2011	1152	Off Site	Air Charcoal	1-131	0.546	pü/meter3			Chasi	Routine weekly REMP of sample, Site 15, 3/22/2011 - 3/29/2011, NE 2 milles.
				er alt			0.510	popletics			Cira:	Routice weekly REMP eV sample. Site 17A
287	Palo Verda Nuclear Generating Station	3/29/2011	12:00	Off Site	Air Charcost	1-131	0.572	pCi/meter3			Clear	3/22/2011 - 3/29/2011. East 3 miles.
	,											Routine weekly REMP air sample, Stig 21, 3/22/2011
285	Palo Verde Nuclear Generating Station	3/29/2011	10.50	Off Site	Air Charcoal	1-131	0.614	pCi/meter3			Clear	- 3/79/2011, South 3 miles.
100	Not the de Madeiro Constanting Constant			All 4								Boutine weekly REMP air sample, Site 29, 3/22/2011
289	Paio Verde Nuclear Generating Station	3/29/2011	10:57	Off Site	Av Chartoal	1-131	0.505	pCi/meter3			Clear	- 3/29/2011, West 1 mile
290	Palo Verde Nucleor Generating Station	3/29/2011	11:15	Off 5.10	Ar Charcoat	1-131	0.657	pCr/meter3			Ora	Routine weekly REMP air sample, Site 35, 3/27/2011
	and the second second second second							permitio				- 3/29/2011, NNW 8 miles. Routine weekly REMP ar sample, Site 40, 3/22/2011
291	Palo Verde Nuclear Generating Station	3/29/2011	11.05	Off Site	Air Charcoal	1-131	0.575	pG/meter3			Clear	-3/29/2011, North 2 m/es.
		·										Unit 1 Fuel Building Ventilation Exhaust Weskly
292	Pain Verde Nuclear Generating Station	3/29/2011	9.15	On Site	Air Charcoa	1131	4 89E-13		pCi/cc		Clear	Sample: 3/22/2011 to 3/29/2011
												Unit 1 Fuei Building Ventilation Exhaust Weekly
293	Palo Verde Nuclear Generating Station	3/79/2011	9.15	On Site	Air Portide Filter	Cs-134	4.95E-14		µCi/cc		Clear	Sampin: 3/22/2011 to 3/29/2011
294	Palo Verde Huclear Generating Station	3/29/2011	9:15	<b>Cin Site</b>	Air Particle Filter	(s-13/	5.07E-14		Sile.			Unit 1 Fuel Building Ventration Exhaust Weekly
1.74	LA A LEINE LINESSE OKUS MER 21970-3	<i>3  : 3  (</i> 011.	2.17	שוע ריט	ni rainue filisi	0-DI	3.076-14		µ€#c		· [/83;	Sample: 3/22/2011 to 3/29/2011 Unit 2 Fuel Building Ventilation Exhaust Weekly
295	Palo Verde Nuclear Generating Station	3/29/2011	917	On Ste	Air Charcoal	1-131	6.60E-13		uCi/a		Ciear	Sample: 3/22/2011 to 3/29/2011
			·			-			• • •			Unit 2 Fuel Building Ventilation Cohause Weekly
296	Palo Verde Nuclear Generating Station	3/29/2011	9:17	On Site	Air Particle Filter	63-134	2.768-14		µCi/cc		Gear	Sample: 3/22/2011 to 3/29/2011
												Unit 2 Fuel Building Ventibilion Exhaust Weekiy
297	Palo Verde Nuclear Generating Station	3/29/2011	9 17	On Site	Air Particle Filter	G-137	< mda		µCi/cc	5.05E-14	Clear	Sample: 3/22/2011 to 3/29/2011
298	Dala Viseda Mielane Commanica Station	109/001	9:55	On Siz	Air Charcoal	1-131	5.325-13		.c.b.		<b>A</b>	Unit 3 Fuel Building Ventilation Exhaust Weekly
630	Palo Verde Nuclear Generating Station	3/29/2011	لارو	0.1212	rsi 649-690	-11	3.4013		μCi/de		Clear	Sample: 3/22/2011 to 3/29/2011

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												Hale B Cool D. Life March 197 Col. Soc. 19
299	Palo Verde Nutlear Generating Station	3/29/2011	9.55	On Site	Air Para de Filter	Cs-134	< mda		uC/cc	4.708-14	Clear	Unit 3 Fuel Building Ventilation Exhaust Weekly Sample: 3/22/2011 to 3/29/2011
	"								jieyee	4.761-14	61201	Unit 3 Fuel Building Venidation Exhaust (Veetly
300	Palo Verde Nuclear Generating Station	3/29/2011	9.55	On Site	Air Particle Filter	Cs-137	4.10E-34		uCl/cc		Clear	Sample: 3/22/2011 to 3/29/2011
301	Prairie Island Nuclear Generating Flant	3/29/2011	9.05	0n 54e	Air Charcoal	1-131	0 058	pCi/meter3			Ciear	Location P-2 0.5 mi WNW of PI
302	Prairie Island Nuclear Generating Plant	3/29/2011	9:15	On Ste	Air Charloa	1-131	0.058	pCi/meter3			Clear	Location P-3 0.8 mi NW of PI
303	Prairie Island Hudica: Generating Plant	3/29/2011	10:10	0n \$:#	Air Charcoal	1-131	0.058	pCi/meter3			Clear	Location P-4 0.4 mi N of Pi
304	Practic Island Nuclear Generating Plant	3/29/2011	8-30	Off Size	Air Charcoa.	1-131	0.068	pCi/meter3			Clear	Location P-6 1 6 mi SE of PI
305	Calvert Cliffs Nuclear Power Plant	3/29/2011	12:00	On Ste	Air Charcoal	1-131	0.15	p@/metar3			Clear	On-Site 0.7 miles south of center
306	Calvert (185 Nuclear Power Plant	3/29/2011	12:00	OffSte	Air Charcou	1-13]	0.093	pCi/meter3			Clear	Olf-Site 1.6 Miles SSE from center
307	Calvert Clifis Nuclear Power Plant	3/29/2011	12:00	Off Site	Air Charcoal	1-131	0.093	pG/meter3			Clear	1.6 miles SE of Center
308	Calvert Cliffs Nuclear Power Plant	3/29/2011	12.00	Off S-te	Air Charcoo	1-131	0.073	pCi/meter3			Clear	1.8 Miles SSW of Center
309	Calvert Cliffs Nuclear Power Plant	3/29/2011	12.00	Off Site	Air Changa	1-131	0.153	pCt/meter3			Clear	12 m. les WNW of CEnter
310	Calvert Ci ffs Nucleur Power Plant	3/29/2011	12.00	On See	Air Charcoal	1131	0 144	pCi/meter3				
311	Calvers CLiffs Nuclear Power Plant	3/29/2011	12:00	On Size	Air Charcoal	1431 -	0.087				Ciear	7 M.'es NNE of center
312	Calvert (THs Nuclear Power Plan:	3/29/2011	12:00	On Size	Air Charcoai	6131 ·	0179	pCI/meter3			Clear	0.1 miles NNW of ISFSI
313	Calvert Clifts Huclear Power Plant	3/29/2011	12:00	CITZIF	Air Charcoai			pCi/meter3			Clear	0.1 Miles SSE of ISFSI
314	Calvert Cliffs Nuclear Power Plant					1-131	0.104	pCi/mete-3			Clear	2.7 Miles NW of Center
		3/29/2011	12 00	Offisie	Air Charcoal	+131	0.083	p(i/meter)			Clear	7.8 Miles ENE of Center
315	Calvert Cill's Nuclear Power Plant	3/29/2011	12:00	Off Sale	Air Charcoal	1-131	0.105	pCi/meter3			Clear	19.9 Miles NE of Center
											•	R-1 Station, Nine Mile Point Road 92A* at 1.8 miles
316	James A. FitzPatrick Nuclear Power Plant	3/29/2011	901	Off Site	Air Charcoal	1-131	3.42E-02	oCimeter3		3.05E-02	Rain	(Degrees and distance based on Nine Mire Point Unit 2 Reactor Centerkne, I
				•		/ 101		pequeces		3.036.02	17941	R-2 Station, Lake Road 10/A' at 1.1 miles (Degrees
												and distance based on Nine Mile Point Unit 2
317	James A. HitzPatrick Nuclear Power Plant	3/29/2011	913	Off Ste	Ar Charcoai	1 1 3 1	3.238-02	pCi/meter3		2.06E-02	Rain	Reastor Centerine.)
												R-3 Station, Co. Rt. 29 133A* at 1.4 miles (Degrees
	have a "the first of the state of the	1100/0004										and distance based on Ning Mile Point Unit 2
313	James A. F. Patrica Nuclear Power Plant	3/29/2011	9:30	08734	Air Charcoal	1431	3.13E-02	pCi/meter3		2 53E-07	Rain	Reactor Centerline
												R-4 Station, Village of Lycoming, Co. Rt. 29 145Å' at
319	Jamies A. FilzPatrick Nuclear Power Plant	3/29/2011	9:40	Off Ste	Air Charcoal	+131	4 19E-02	pCi/mete:3		2.158-02	Rain	1.8 miles (Degrees and distance based on Nilie Mile Point Unit 2 Reactor Centenine J
		401000					- 170 00	pequeens		1.1 <i>1</i> .14	ngur	Point one 2 Reactor Centerine (
												Control Location - R-5 Station, Nontario Poim Rd.
												42Å* at 16.2 mJ/ns (Degrees and distance based on
320	Jomès A. FillPatrok Nuclear Power Plani	3/29/2011	10.22	Olf Site	Air Charcoal	1-131	3 4412-07	sCi/meter3		2.516-02	Rain	Nine Mile Point Unit 2 Reactor Centerline ]
												D2 Offsite Station, Rt. 64 118Å" at 9.0 miles (Degrees
321	lames 4: FitzPatrick Nurlear Power Plant	3/29/2011	11.35	Off Site	the Channel			<i>e</i> :1 .				and distance based on hime Mare Point Unit ?
341	HUNCH H. FRATGUICH HUNNED' FORMY FLAM	<i>₩34/2</i> 011	11:25	OH ME	Air Charcoal	-131	2.632-02	pCV/meter3		2.60[-02	Rain	Reactor Centerine.)
												E Offsite Station, Rt. 4162A* at 7.1 miles (Degrees and distance based on Nine Mile Point Unit 2
322	James A. F. D.Paucci: Nuclear Power Plan	3/29/2011	11:58	Off Ste	Air Charcoal	1-131	2 63E-02	pCVmeter3		3.062-02	Rain	Reactor Center Fine.)
												F Offsite Station, Dutch Ridge Road 1924' at 7.7
												miles (Degrees and distance based on Nine Mile
323	James A. FittPatrick Nuclear Power Plant	3/29/2011	17:14	Olf \$ re	Air Charcoal	F131	4 15E 02	pCi/meter3		2.296-02	Rain	Point Unit 2 Reactor Centerline.)
												6 Offsite Station, Saint Paul Street 226A* at 5.4 mines
274	famme & Carllaniat Marine Strategy Base	1/10/1014	0.36	000	the formation		2 225 02					Degrees and distance based on Nine Mile Point Unit
324	James A, FitzPatrick Nuclear Power Plant	3/29/2011	8:26	Oll Ste	Air Charcoal	1-131	3.23E-02	cC/meter3		2.24E-02	89n	2 Reactor Centerline.)
325	Grand Guil Nuclear Station	3/29/2011	12:00	CIF Size	Au Charcos	1-131	0.125	pC/meter3		0.03	<b>6</b> .4	* 1 P 1941 1941
	alana dan nabical sia, en	111311411	1	OII ME	Pa Citatosi		0.125	pc/ nexes		0.07	Rain	Sample collected 3/22-3/29 from AS-1 (Port Gibson)
325	Grand Guil Nuclear Station	3/29/2011	12:00	Off Ste	A: Chyroal	431	0.0802	pCVmeter3		0.07	Rain	Sample collected from AS-7 (Union Hall) 3/22-3/29
327	Susquehanna Steam Electric Station	3/29/2011	8:27	Off Site	Mik	1131	< mda	pCi/L		0.459	Ciear	tox 1003 (3.5 miles SSW of plant)
375	Surguehanno Stéam Electric Station	3/29/2011	S:48	Off Size	114	1-131	< mda	р6 <u>/</u> 1		0.509	Clear	
323	Sustaucharina Steam Electric Station	3/29/2011	7:05	Oll Ste	MA	1131	< mda	ρCi/L		0.591	Clay	Loc 552 (4.5 miles E of plant)
330	Susquebana Steam Electric Station	3/77/2011	7.49	OIFSite	MA	1431	< mda	оСА		0.507		Loc 13E3 (50 miles W of plant)
331	Susquebanna Steam Electric Station	3/29/2011	10:30	Official	Other	+131	< mda				Clear	Loc IDGI (14 m/es SSIV of plant)
331	Patianation frances for the Station	31231011	10.00	211.112	Ortho -	101	N 1008	oti/L		0.431	Clear	Loc 656 River Intake (0.8 mile ESI of plant)
												+131 measurement determined by low-level
												preparation & analysis. Comparable Marine® (Equid)
												analysis for this sample yielded todine-131 activity of
312	Cataliza Nuclear Station	3/29/2011	8.05	Off Site	Mik	H131	1.47E+01	pCi/L		9.49i -01		1.3801 pCv/l. Sample taken 14.5 miles NW of plant,

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												ADI 3 DELED
333	Fermi 2	3/29/2011	10.00	Off Site	Air Charcos!	1-131	< MDA		pCi/cc	-3£-14	Clear	API-2 REMP sample: 0.6 miles NNW of plant: weekly changeout
									P			API-1 REMP sampler 1-4 miles NE of plant: weekly
334	Ferm <sup>,</sup> )	3/29/2011	10:00	OH 2115	Air Chartoal	(-131	< MDA		μCi/cc	~3E-14	Cicar	changeout
335	Ferm 2	1000011	10:00	Olf Site	Air Charcoal							API-3 REMP sampler 0.6 miles NW of plant: weekly
323	121918	3/29/2011	10.00	Qui Site	All Charloan	+131	5.491-14		µC∤ćc	3 10E-14	(ipu	•
336	Ferm 2	3/29/2011	10.00	Oli S.tz	Air Charcoal	1131	4.73E-14		µC;/cc	2.731-14	Clear	API-4 REMP sample: 14 0 miles W of plant: week'y chanceout
									hr444		City	API-5 REMP sampler 1.2 miles 5 of plant: weekly
.137	Fermi 2	3/29/2011	19 00	0# 5:5	Air Charcoal	1-131	4.04E-14		μC./cc	2.60E-14	Clear	changeout
313	Limetics Generating Station	3/29/2011	0:00	On Site	Ra n Water	1-131	24.5	pCi/L			Rain	
339	Byron Station	3/29/2011	8:00	On Site	Air Part de Filter	1-131	0.033	pCI/meter3			Clear	
340	Byron Station	3/29/2011	8:60	On Site	Air Charcoal	1-131	0.055	pCi/meter3			Clear	
341	NextEra Energy Seabrook	3/29/2011	15:20	On Site	Air Charcoai	1-131	4.97E 05	pCi/L			Ciear	OSB à€" North end
312	Furkey Point Nuclear Power Plant	3/29/2011	11:00	On Site	Air Particle Filter	1-131	< mda	pCi/L		1 176-04	Clear	
343	Turkey Point Nuclea: Power Plant	3/29/2011	11:00	On Site	Air Charcoal	1431	3.79E-05	pCi/L		8.26E-06	Ciew	
344	Susquehanna Steam Electric Station	3/29/2011	9.05	Olf Site	Other	+131	< mda	pCi/L		0.549	Clear	Loc 12H2 Drinking water (26 mile WSW of plant)
345	Sunguentanna Steam Electric Stabon	3/29/2011	14:50	OII She	Air Panice Filter	Othe:	0.0416	pCi/meter3		0 007	Ciear	Loc 554 gross beta (0.6 mile ii of plant)
346	Susquehanna Steam Exclos Station	3/29/2011	14:50	Off Size	Air Charcoal	131	0.0746	oCi/meter3		0 0531	Cru	Loc SS4 (0.8 mile E of plant)
347	Donald C. Cook Nucear Plant	3/29/2011	10:12	On Site	Air Charcoal	+131	< MDA			~ 1.016.14		Portable air station I-ONS-46; setup near an onsite
	DOVIDE C. CONTINCES FIRM	1221011	10.10	011.542	All Charcoa	-131	N MUA		yC/cc	~ 1.91E-14		REMP air station. Portable air station 1-DOW-8; setup > 20 miles
348	Donald C Cool Nuclear Plant	3/29/2013	6:10	Off Sete	Air Charcoal	1131	< MDA		μCi/cc	~4,41E-14		offsite at a background station
349	Turyey Point Nucleur Power: Plans	3/28/2011	21:30	On Site	Rain Water	Cs-137	< mda	pC/1		1.301+01	Rin	envice and exercise grader
350	Turkey Point Nuticar Power Plant	3/78/2011	21:30	Off Site	Riin Water	Cs-137	< mda	pCi/l		7.09E+01	Rag	
								e				
					- 1							Churcoal cannidges from seven of eleven locations <
,351	Pegrim Nuclear Power Station	3/26/2011	12:00	Off Site	Ar Charcoal	+131	< 4.5E-2	pCi/mejer3		4.506-02	Cear	MDC. Four positive results documented separately.
352	Donald C. Cook Nuclear Plant	3/28/2011	S:30	Off Site	Ar Charcool	F131	3.55E+14					Portable air sample station J-DOW-8, set up > 20
352	Donado C. COOX V20P N FISIR	*10010411	3.30	QUI JILE		-151	3.336,14		μCi/cc	* 1.70E-14		miles offsite for background. Portship bir somein et sting (IONS-18, contra some no
353	Doneld C. Cook Nuclear Planz	3/28/2011	7:46	On Site	Air Charcosi	1-131	2 09E-14		<b>uCije</b> c	~1.70E-14		Portable air sample station I-ONS-48, setup near an onsite REMP air station.
									- ,			St. Joseph River offsite surface water sample; approx
354	Donald C. Cook Nuclear Plant	3/23/2011	7:00	Off Site	Otner	1 BI	< MDA		µCı/mi	5.411 09		10 miles from site
355	Peach Bottom Atomic Power Station	3/28/2011	0.00	On Site	A'r Charcoal	1-131	0.0448	pC/meter3			Clear	
		<b>b</b> /ha ha c										Indicator Location ER, 0.902 km SE. 1-week sample
356	Pagita Nuclear Power Station	3/28/2011	11:48	Off Size	Air Charcoai	1-131	5.201-02	pC/meter3			(léa.	cojection
357	Pilerin Nuclear Power Station	3/28/2011	945	Off Sate	Air Charcoal	HBI	3.70E-02	pCy/meter3			Clear	Control Location EW, 39.67km NVI. 1-week sample collection
•••		-//					51.02.02	pequite 2			144	Indicator Location PC, 6 658 km W. 1-week sample
158	Prigram Nuclear Power Station	3/28/2011	11:15	Off Site	Air Charcosi	1-131	5.00E-02	oCi/meter3			Clear	collection
									•			Indicator Location WR, 0.828 km WNW, 1-week
359	Pagrym Nuclear Power Station	3/28/2011	11.40	Off Site	Air Charcoal	1-131	6 00E 02	pCi/meter3			Citear	samp'e collection
												131 measurement determ and by low-level
												preparation & analysis. Consparable Marineli (liquid)
												analysis for this sample welded lockne-131 activity of 1.00E1 pCVI, Sample Liken 14 8 miles WNNV of
360	McGuire Nuclear Station	3/28/2011	7:10	Off Sate	MEL	+131	9 23[+00	pCI/L		9.965 01		plant,
351	Susquehanna Steam Electric Station	3/78/2011	14:20	Off 52e	Other	1-131	< mda	pC/L		0 272	Clear	Loc 656 River Intake (0.8 m. ie ESE of plane)
362	Surguehanna Steam Electric Station	3/78/2011	13:13	OH Site	Other	1-133	< mda	pC/L		0.255	Clear	Loc 12H2 Drinking Water/26 miles WSW of plant)
												H Onsite Station 74A* at 0.8 mTes (Degrees and
363	James A. FitzPatrick Numear Power Plans	3/28/2011	7:26	On Site	Air Charcoal	-131	3.96E 02	of Umeter3		2.401-02	Rain	distance based on Nine Mille Polici Unit 2 Reactor Centerine.)
	Production and the carries of	41011011		Of the	en citaren	1.1.21	3.20L V2	freduences.		2.401-02	Nditi	Lonsite Station 964° at 0.8 miles (Degrees and
												distance based on Ninz M. e Point Unit 2 Reactor
364	Jomes & HillPatrick Nuclear Power Plant	3/28/2011	7:36	On Site	Ar Charcoal	1-131	4.576-02	pCv/meter3		2.741-02	Rain	Centerine.)
												J Onsite Station 110A* at 0.9 miles (Degrees and
	Texture & CALDING STOP 1 1	1		0.5-	1.0		1 000 43			5 mar		distance based on Nine M + Point Unit 2 Reactor
365	lames A. HuPatrick Nuclear Power Plant	3/75/2011	8:00	On Ste	Ar Charcoal	1-131	3.900-07	pC/meter3		2.73E-02	Rin	Contraine.) K Oosta Statum 12317 to 0.5 - Sou Johann wordt
												K Onste Station 133A° at 0.5 miles (Degrees and distance based on Nine Mile Point Unit 2 Reactor
366	tames & KasPatrick Nuclear Power Plant	3/28/2011	7:50	On Site	Al: Charcoal	1-131	3.28E-02	of i/meter3		2.466-02	Rain	Centerine)

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367	james A. FizePatrick Nuclear Power Plant	3/23/2011	<u>8-21</u>	On Site	Air Charcoal	1-131	2.51E-02	gCi/meter3	2 795-02	Rain	D1 Double Station 734" at 0.3 miles (Degrees and distance based on Nine Mile Point Unit 2 Reastor Contentine 1
											G Onsite Station 24441 at 0.7 miles (Degrees and distance based on Nice Mile Point Unit 2 Reactor
368	James A. FitzPatr d. Nuclear Fower Plant	3/28/2011	8:54	On Site	Air Charcoal	+131	3.858-02	pCi/meter3	2 34E-02	Rain	Centerine.)
369	R. E. Ginna Nuclear Power Plant	3/25/2011	12:00	Off Site	Air Charcoa	14131	0.052	pCi/meter3			0.2 Miles E of center
370	R E Ginna Nuclear Power Plant	3/28/2011	17:00	On Ste	Air Charcoa	1-131	0.06	pC:/mnter3			0.2 m <sup>2</sup> es SE of Center
371	R. E. Ginna Nuclear Power Plant	3/28/2011	12:00	On Site	Air Charcoa	1-131	0.055	pCi/meter3			0.1 WSW of center
372	R 1 Ginna Huclear Power Plant	3/28/2011	17:00	OIF Site	Air Charcoal	1-131	0 069	oCi/meter3			11.9 miles WSW of Center
373	R. E. Giana Nacioar Power Plant	3/28/2011	12.00	Off Site	Air Charcoal	14131	0 062	pCl/meter3			7.1 mBes SW of center
374	R. F. Ginna Nuccar Power Plant	3/28/2011	12:00	Off Ste	Air Charcoal	F131	0 058	pCi/meter3			7.1 miles ESE of center
375	R. E. Ginna Nudéar Power Plant	3/28/2011	12:00	Olf Site	Air Charcoal	1-131	< mda	pCi/meier3			0.4 miles SSW of center Station SF2, SLO Cal Poly Farm, ENE at 12.6 miles
376	Diablo Canson Power Flan:	3/28/2011	8 20	0#512	Vegetation	1-131	114	pCi/ig	<b>34</b>	ርቀኔ	from DCFP Station SF2, SLO Cal Poly Farm, ENE at 12.6 m <sup>1</sup> /es
377	Diab'o Canyon Power Plant	3/28/2011	8:20	Off Site	Vegetation	Cs-134	110	pCı/kg	7.06	Clear	from DCPP Station SF2, SLO Cal Poly Farm, ENE at 12,6 miles
373	Diablo Canyon Power Plant	3/28/2011	8 20	Off Site	Vegetation	G 137	91.5	pCi/kg	7	Clear	from DCPP Gross Beta, Station SF2, SLO Cal Poly Farm, ENE at
379 350	Diab'o Canyon Priver Plant	3/28/2011	820	Off Size	Vegetation	Other	3110	pCi/kg	302	Clear	12.6 miles from DCPP Gross Alpha, Station 5F2, 510 Cal Poly Farm, ENE at
381	(Habio Canyon Power Plant Diabio Canyon Power Plant	3/78/2011 3/78/2011	8-20 8-20	Off Size	Vegetal on Vegetation	Giher Other	< MDA	9C/la	259	Clea:	12.6 miles from DCPP Total Strontrum, Station SF2, SLO Cal Poly Farm, ENE
382	Diabo Canyon Power Plant	3/78/2011	900	On Site	Rain Water	1-131	140	pCi/kg pCi/l	<171.0 2,77	Clear Ra.o	at 12.6 mJes from DCPP
383	D-aço Canyon Power Plant	3/28/2011	900	On Ste	Rain Water	Te-132	8.08	pC/L	4 28	Rain	Station SS2, Onsite, EME at 0.6 miles from DCPP Station SS2, Onsite, EME at 0.6 miles from DCPP
384	Diable Garyon Power Plant	3/28/2011	9.00	On Sie	Rain Water	Cs-134	9,94	pCi/L	2 14	Rain	Station 552, Onsite, TNF 4: 0.6 miles from DCPP
385	D 350 Caryon Power Plant	3/28/2011	9:00	On Site	Rain Water	Cs-137	9.04	pCiA	1.94	Rain	Station 552, Onsite, ENE at 0.6 miles from DCPP
386	Diablo Carlyon Power Plant	3/78/2011	9.09	On Say	Rain Water	Other	48.8	рСіЛ	2.8	kan	Gross Bata, Station 552, Onsite, FNE at 0.6 miles from DCPP
357	Diablo Canyon Power Plant	3/28/2011	9 00	On Site	Rain Water	Other	< MDA È	pCi/l	2.04	Rain	Gross Alpha, Station 552, Onsite, ENE at 0.6 m.les from DCPP
388	D-solo Caryon Power Plant	3/78/2011	9:00	On Sae	Rain Water	Other	< MÛA	pCi/L	0.641	Ran	Total Strontum, Station 552, Onsite, FNE at 0.6 miles from DCPP
389	Diablo Canyon Power Plant	3/28/2011	913	On Sie	Rain Water	1-131	156	рС/I	2 59	Rain	Station 151, Onsite, NNW at 0.4 miles from DCPP
390	Diablo Canyon Power Plant	3/28/2011	913	On Sae	Rain Water	+132	7 19	рСіЛ	3 16	Ran	Station 151, Onsite, NNIV at 0.4 miles from DCPP
391	Diates Canyon Power Plant	3/22/2011	9.13	On Site	Rain Water	Te-132	678	pCi/L	3.82	Rain	Station 151, Onsite, NNW at 0.4 mdes from DCPP
<del>3</del> 92	Diablo Canyon Power Plant	3/78/2011	913	On Site	Rain Water	G 114	15.7	pCi/L	2.14	Rain	Station 151, Onsite, NNW at 0.4 miles from DCPP
393	Di <b>ablo Can</b> yon Power Plant	3/78/2011	9.13	On Ske	Rain Water	<b>Çs-13</b> 7	17,1	pC+/1	1./2	Rin	Station 151, Onsite, NNV at 0.4 mBes from OCPP Gross Bota, Station 151, Onsite, NNV at 0.4 mBrs
394	Diablo Canyon Power Plant	3/29/2011	913.	On Site	Rain Water	Other 1	519	pCi/L	2.96	Rain	from DCPP Gröss Alphà, Station 151, Onsite, NNVV at 0.4 miles
395	Diablo Canyon Power Plant	3/28/2011	9:13	On Sire	Rain Water	Other	< MDA	pCvL	2.22	Rain	from DCPP Fotal Strontium, Station 151, Onside, NNW at 0.4
396	Dibblo Cunyon Power Plant	3/28/2011	9.13	On Site	Rain Water	Other	< MDA	pl.r.L	0.539	Rain	miles from DCPP Station SF1, San Luis Obisco, 148 at 10 2 miles from
397	Diable Canyon Power Plan;	3/28/2011	7.30	011 5:14	Rain Water	H3) 64104	157 3 84	pCi/L	2.67	Rain	DCPP Station SF1, San Luis Offisers, ENE at 10.2 miles from
398 399	Diable Canyon Power Plant Diable Canyon Power Plant	3/28/2011 3/28/2011	7.30 7.30	OH Ste Off Ste	Rain Water Rain Water	(s-134 (s-137	3 84 5.32	pCi/L pCi/L	2.49	Rain Data	DCPP Station SF1, San Luis Obispo, FNE at 10.2 miles from John
400	Diablo Canyon Power Plant	3/28/2011	7:30	011 5:2	Rain Water	Other	30.9	oCi/L	3.01	Rain Rain	DCPP Gross Beta, Station SF1, San Luis Obispo, ENE at 10.2 m3es From DCP2
401	Diabo Canyon Power Plant	3/28/2011	7:30	Off Ske	Rain Water	Other	< MOA	pCi/L	1.85	Rain	Gross From DCP2 Gross Alpha, Station SF1, San Luis Obaspo, ENE at 10.2 miles from DCPP
											uniun in yu taatit eesaala

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												Table Freedom fact at 1 for a set and
402	Diablo Canyon Power Plant	3/28/2011	7:30	Off Site	Rain Water	Other	< MDA	pCi/L		0.758	Rain	Total Strontium, Station SFL, San Luis Oblype, ENE at 10-2 miles from DCPP
403	Wolf Creek Generating Station	3/28/2011	9:00	Off Sta	Air Charcoai	1-131	0.1	pCyL pCi/méter3		0.730	Ngari	
404	Wolf Creek Generating Station	3/28/2011	9:30	Off Ste	Air Charcoal	1-131	01	pC/meter3				Weekly REMP Sample
405	Wolf Creek Generating Station	3/78/2011	10:00	OII Ste	Air Charcoal	1-131	011	pCi/meter3				Weekly REMP Sample Weekly REMP Sample
405	Wolf Creek Generating Station	3/28/2011	11:00	Off Size	Air Charcoai	14131	0.11	pCi/meter3				
407	Wolf Creek Generating Station	3/28/2011	11:30	OffSte	Air Charcoal	1-131	0.09	pCi/meter3				WerkyREMP Samole
403	Oconee Nuclear Station	3/28/2011	10 55	Off 5 te	Air Particle Fater	1-131	1.64E 07	pC/meter3		4.34E-03	Char	Weekly REMP sample
409	Oconec Nuclear Station	3/28/2011	10:20	Off Ste	Air Particle Filter	1-131	1.59E-02	pC/meter3		5.03[-03	Clear	2.36 miles NNW of plan:
410	Oconee Nuclear Station	3/28/7011	10:40	Off Sile	Air Particle Filter	1-131	2.02E-02				Clear	1 00 mile SW of plant
411	Oconee Nuclear Station	3/28/2011	11:15	On Site	Air Particle Falter	1-131	1.176-02	pCi/meter3 pCi/meter3		4.15E-03	Clear	0.53 miles WSW of plan:
412	Oconee Nuclear Station	3/28/2011	9:30	Off 5 te	Air Particle Friter	1-131	2.012-02	pCi/meter3		5.228-03	Clear	0.56 miles NE of plant
413	Oconce Nuclear Station	3/78/2011	10:00	Off Size	Air Particle Filter	1-131	1.57(-02			1.338-02	Clear	9.33 miles SE of plant
414	Oconee Nuclear Station	3/78/2011	10:55	Off Ste	Air Charcoal	1-131	7.82E 02	pCi/meter3		5.68E-03	Clear	2.58 miles NNE of plant
415	Otonee Nuclear Station	3/23/2011	10:35	Off 526	Air Charcoal			pCi/meter3 oCi/meter3		5.68E-03	Clear	2.36 miles NNW of plant
416	Oconee Nuclear Station	3/28/2011	10:40	Off Size	Air Charcoal	1-131 1-131	5.355-02 6.781-02	pCi/meter3		6.475-03	Clear	1.00 mile SW of plant
417	Oconee Nuclear Station	3/28/2011	11:15	On Ste	Air Charcoal	1-131		pC:/meter3		5.641 03	Cear	0.53 miles WSW of plant
418	Oconce Nuclear Station	3/28/2011	9.30	OffSte	Air Charcoal		9.385-02	pCi/meter3		6.50€-03	Clear	0.56 miles HE of plant
419	Otonee Nuclear Station	3/28/2011	5.50 10:00	Off Ste	Air Charcoal	1-133	7.14F-02	pC:/meter3		4.77[-03	Cear	9.33 miles SE of plan:
420	Columbia Generating Station	3/28/2011	9.30	On Site	Air Charcoal Air Charcoal	1431	7.376-02	pCi/meter3		6.491-03	Clear T	2.58 miles NNE of plant
421	Sequoyah Nuclear Plan:	3/23/2011	12:50	Offisie	Air Charcoal	1-131 1-131	3 67E-13	at leases	uC/cc		Clear	24 hour air sample
477		3/23/2011	10.25		Ar Charcoal		0.07	pCi/meter3		0.03		
423	Sequevan Nuclear Plant			On Ste		H31	0.07	pCi/meter3		0.03		
	Saguoyah Nuclear Plant Saturnah Alushus Shar	3/28/2011	10:59	On Site	Air Chancoai	1-131	0.06	pCi/metar3		0.03		
474	Seguoyah Nuclear Plani	3/23/2011	9.42	On Sie	Ar Charcoa <sup>i</sup>	F13)	0.07	pCi/meter3		0.03		
425	Sequeivah Nuclear Plant	3/28/2011	10:47	Qri Ste On Ste	Air Charcoa!	F131	0.07	pCi/meter3		0.03		
426	Sequovan Nuclea: Plant	3/28/2011	£57	On Ste	Air Charcoal	1-131	0.07	pCi/meter3		0.03		and the second second second
427	Nine Mile Point Nuclear Station	3/28/2011	12:00	On Site	Air Charcoal	1-131	0.033	pCi/meter3			Ran	Weather Mix of Rain/ Snow during sample period
••		100111				123	0.000	paymeters			ndil)	3/21/2011 - 3/22/2011 Weisther Mix of Ran/ Snow during sample period
428	Nine Mile Point Nuclear Station	3/28/2011	12 00	On Site	Air Charcoal	1-131	0.039	pCi/meter3			Rain	3/21/2011 - 3/28/2011
												Weather Mix of Rainy Snow during sample period
429	Nine Mile Point Nuclear Station	3/28/2011	12:00	On Site	A'r Charcoal	F131	0.04	pCi/meter3			Rain	3/71/2011 - 3/28/2011
	10 . 14											Weather Mix of Rain/ Snow during simple period
430	Nine Mile Point Nuclear Station	3/28/2011	12 00	On Site	Air Charcoal	4-131	0.046	pCi/meter3			Rain	3/21/2011 - 3/28/2011
131	Nine Mile Point Nuclear Stallon	3/28/2011	12:00	On Ste	Air Charcoal	1-131	0.079	pCi/meter3			Rain	Weather Mix of Rain/ Snow during sample period
432	McGure Huclear Station	3/28/2011	7,43	Off Size	As Part de Filter	1-131	1.865-02	pCi/meter3		5.40E-03	Clear	3/71/7011 - 3/28/2011
433	McGure Nuclear Station	3/28/2011	8:22	Off Ste	Air Particle Filter	1-131	1.55E-02	pCi/meter3		4.74[-03	Clear Clear	9.63 miles WNW of plant
434	McGuire Núclear Station	3/28/2011	9:47	On Sie	Air Particle Filter	1-131	1 40:-02	pCl/meter3		4.74E-03		4.20 miles NE of plant
435	McGuire Hucker Station	3/78/2011	9:47	On Site	Air Particle Filter	Cs-137	7.06E-03	pCylineter3		4 76[-03	(lvar tinne	Ste Boundary
436	McGuire Nuclear Station	3/28/2011	9.33	On Ste	Air Particle Fifter	1-131	1 92E-02	pCymeter3		4 35E-03	Ciea:	Ste Boundary
437	Mogure Nuclear Station	3/28/2011	0:33	On Ste	Air Particle Filter	(5-137	4.128-03	pCymeter3			Cirpt	Site Boundary
433	McGuire Huckey Station	3/28/2011	9.18	On Site	Air Partice Filter	1-131	1.615-02	pC/meter3		4 995-03	Clear	Site Boundary
439	McGuiré Nuclear Station	3/28/2011	\$:53	OffSte	Air Particle Filter	1-131	1.012-02 3.06E-02	pCI/meter3		6 25E-03	Clear	Site Boundary
440	MoSuire Nuclear Station	1/28/2011	9.38	On Site	Air Particle Filter	i-131				1.162.02	Char	6.23 miles ENE of alant
44]	McGuire Nuclear Station	3/28/2011	7:43	Off Sta	Nr Charcoa	1-131	1 697-02	pCi/meter3 oCi/meter3		<u>\$ 19</u> [-03		Site Boundary
412	McGuire Nuclear Station	3/28/2011	8:22	Ulf Ste	Ar Charcoal	1-131	8 /6£-02 7.61F-02	pCi/meter3		5 396-03	Gear	9.89 miles WNW of plant
443	McGuire Nuclear Station	3/28/2011	.9.47	On Ste	Air Charcos	+131		pG/meter3		4 786-03	Clear	4.20 miles NE of plant
444				On Ste	Air Charcoai		9 506-02	pCi/meter3		6.12E;03	Clear	Site Boundary
444 445	McGurre Nuclear Station	3/28/2011	-933		Ar Charcoar Ar Charcoar	14131	1.01E-01	pC/meter3		6.905-03	Ciear	Site Roundary
445	McGuire Nuclear Station	3/28/2011	9:18 ,8:38	On Ste Off Ste	Air Charcoal	1-Bi	8.132-02	pC/meter3		8.985-03	Clear	Site Boundary
447	McGuire Nuclear Station	3/23/2011		On Ste	Air Charcoal Air Charcoal	· 1-131	7.64E-02	pCi/meter3		8.656-03	Cléar	6.23 miles ENE of plant
44 /	McGuire Mulear Station	3/78/2011	9.19	0ji 3'.ŧ	AT LIVITED &	ŀВi	9670-02	pCi/meter3		4.832-03	Clear	Site Boundary AC-1, 2.6 miles North of plant. Somple collected
												from 3-21-11 to 3-28-11.4 Sample time is not
												reflective of the actual time (ample collection
												stonped has the midpaint of the collection period for
448	Shearon Partis Nuclear Power Plant	3/28/2011	12:00	Off Site	Ar Charcoal	¥-131	1.500-01	pCi/meter3				counting purposes.

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												AC 2 is 1.4 m its NNE of the plant. Sumple collected from 3-21-11 to 3-28-11 Å Sample time is not
												reflactive of the actual time sample correction
												stopped nor the midpoint of the collection period for
449	Shearon Harris Nuclear Power Plant	3/28/7011	1200	Off Site	Air Churcoal	1-131	1.45E-D1	pCi/meter3				counting purposes.
												AC-4. 3 1 mites NNE of the plant Sample collected
												from 3-21-11 to 3 23-11 A Sample time is not reflective of the actual sine sample collection
												stopped nor the midsoint of the collection period for
450	Shearon Harris Nucléar Power Plant	3/28/2011	12.00	Off Site	Air Charcoal	1-131	1 S4E-01	pCi/meter3				counting purposes.
												AC-5, 13.4 miles WNW of the plant. Sample
												collected from 3-21-11 to 3-28-11.A Samole time is
												not reflective of the actual time sample collection
451	Strearch Harns Nuclea: Power Plan:	3/28/2011	12:00	Off Site	Ar Charcoal	. 131	1.165-01	-67				stopped nor the midpoint of the collection period for
431	gerançılı naklış küşraş rewet rian;	3/20/2011	12.00	On she	AR CURCOM	1131	1.105-01	pCi/meter3				counting purposes. AC-26, 4.7 m/es South of the plant, Sample collected
												from 3-21-11 to 3-28-11 Å So.mple time is not
												reflective of the actual time sample collection
												stopped nor the midpaint of the collect on period for
452	Shearon Harris Nuclear Power Plant	1/28/2011	12:00	Off S⊯	Air Charcoal	1-131	1 26E-01	pCi/meter3				counting purposes.
												AC 47, 3.4 miles SSW of the plant. Sample collected from 3-21-11 to 3-28-11.A. Sample time is not
												reflective of the actual time sample time is not
												stopped nor the midpoint of the collect on period for
453	Shearon Harris Nuclear Power Plant	3/28/2011	175 <b>9</b> )	Off Site	Air Charcoal	1-131	1.418-01	pCi/meter3				counting purposes.
												AC 63, 0.6 miles SW of the prant. Sample collected
												from 3-21-11 to 3-28-11.A Sample time is not
												reflective of the actual time sample collection
454	Stearon Harris Nuclear Power Plant	3/28/2011	12:00	Ôn Site	Air Charcoal	1-131	1,112-01	oCi/meier3				stopped nor the midpoint of the collection period for
~	are a carrenta representante marti	1110,2011	14.00	OU NE	All Clidicular	1.131	1111-01	achinerera				counting purposes. AC 90, 0.5 mile SSW from the plant. Sample
												collected from 3-21-11 to 3-23-11.4 Sample time is
												not reflective of the actual time sample collection
												stopped nor the midpoint of the collection period for
455	Stearon Harry Nuclear Power Plant	3/28/2011	12.00	On Site	Air Charcoal	1-131	1.648-61	pC / meter3				counting purposes.
												AC 91, 1.6 miles LNE of the plant. Sample collected
												from 3-21-11 to 3-28-11 A Sumplu time is not reflective of the actual time sample collection
												stopped nor the midpoint of the collection period for
456	Shearon Harris Nuclear Power Plant	3/28/2011	12:00	Off Site	Air Charcos	1-131	1.30E-01	pCi/meter3				counting purposes.
												Rainwater collected from Condensate Storage Tank
457	Columbia Generating Station	3/28/2011	12:00	On Ste	Rain Water	+131	1.40E-07		µCi/ml		Clear	pr.
458	Columbia Generating Station	3/28/2011	12:00	0a 5'tê	Rain Water	1-131	2.706-05		μ		Clear	Rainwater collected from LSA storage pad
459	Wolf Creek Generating Station	3/23/2011	3.00	Off Site	Air Charceal	1-131	0.12	pCi/meter3				Weelh REMP
460	Wolf Creek Generaling Station	3/28/2011	13:00	Off Ste	Other		< MDA					REMP Surface Laxe Water
	South Texas Project Electric Generating											
461	Station One and Two	3/28/2011	8.41	On Ste	Air Chanceal	1-131	7.565-14		μC/cc		(Fr	24 h sample; date/time fsted is sample start time
462	South Tenas Project Electric Generating Station One and Two	3/28/2011	841	On Site	Air Part de Filter		< MDA		μζί/εε	1645-14	flasr	24 house and a statement of the second statement of
463	Pale Verde Hudea: Generating Station	3/23/2011	10:15	On Site	Air Charcoal	+131	< mda		μανία μαγία	3.496-13	Clear	24 h sample; date/time Lsted is sample star; time
464	Palo Verde Nuclear Generating Station	3/28/2011	10:15	0n \$.e	Au Particle Fiter	Cs-134	< mda		pCi/cc	2.858-13	Clear	PVNGS Sample # 2-11-0455, 70 hour sample PVNGS Sample # 2-11-0454, 70 hour sample
465	Palo Verde Hudeor Generating Station	3/28/2011	10:15	On See	A - Part de Filter	(FB)	< mda		μCi/m	3 556-13	Clear	PVNGS Sample # 2-11-04%, 20-hour sample PVNGS Sample # 2-11-0454, 20-hour sample
455	Watts Bar Nuclear Plant	3/28/2011	11:24	On Site	Air Charcoal	1-131	0.05	pC/meter3	held :	0.03	1.50	rainas sample a si 1 fortal sociality second
457	Watts Bor Nuclear Plant	3/78/2011	10:23	On Ste	Air Charroai	1-131	0.03	pCi/meter3		0.03		
468	Watts Bor Nuclear Plant	3/28/2011	14:52	On Ste	Air Charcost	1-131	0.06	pCt/meter3		0.03		
463	Watis Bar Nuclear Plant	3/28/2011	1407	On Sie	A# Charcosi	1131	0.08	pCi/meter3		0.03		
470	Watts Bar Huckear Plant	3/28/2011	15-51	On Site	Air Charcoal	1-131	0.06	pCimeter3		0.03		
471	Watta Bar Hucker Plant	3/28/2011	15:30	On Ste	Air Charcoal	1-131	0.07	pCi/meter3		0.03		
4/2	Watts Bar Nuclear Plant	3/22/2011	1103	Off Site	Air Charcoal	1-131	0.06	pCifmeter3		0.03		
	AAMPLA MAL LOOPYCOL LUNIO	ai eni tarr						he lugar		v 03		Weather Mix of Rain/ Snow during sample period
473	Nine Mile Point Nuclear Station	3/28/2011	17:00	Oa Sie	Air Charcoal	1-131	0.025	pCi/meter3			Rain	3/21/2011 - 3/28/2011
474	V. C. Summer Nuclear Station	3/78/2011	15:05	Off Site	Air Charcoal	1-131	0.0587	pCi/meter3		•	Bain	24 hr grab 2.6 m les SSE of plant
475	V. C. Summer Nuclear Station	3/28/2011	15:00	OH Sig	Roln Water	1-131	21.62	pCi/L			Rain	2.6 mBes SSE of plant
476	San Onofre Nuclear Generaling Station	3/78/2011	9:00	On Site	Air Charcoat	1-131	2.00F-13		µCi/cc		Clear	•

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477	San Onofre Nuclear Generating Station	3/28/2011	9:00	On Site	Air Particle Filter	Cs-137	< MDA		pOfa	2.00E-13	Clear	
473	San Onofre Nuclear Generating Station	3/28/2011	9:00	OH Site	Air Charcoal	1-133	1.00E-13		uC/cc		Clear	
479	San Onofre Nuclear Generating Station	3/28/2011	9.00	OH See	Air Particle Futer	Cs·137	< MDA		;:C/cc	2.00E-13	Clear	
480	San Onofre Nuclear Generating Station	3/27/2011	9.00	Off Size	Air Charcoal	⊦131	2.00E-13		μCi/cc		Rap	light run during 24 hour sample period
481	San Onofre Nuclear Generating Station	3/27/2011	9:00	Off Sce	Air Particle Filter	Cs 137	< MDA		μCi/cc	2.001-13	Rain	Right rain during 24 hour sample period
432	San Onalize Nuclear Generating Station	3/27/2011	9:00	On Site	A'r Charcoal	1-131	3 00F-13		µCi/cc		Rain	light rain during 24 hour sample period
483	San Onofre Nuclear Generating Station South Texas Project Electric Generating	3/27/2011	9:00	On Site	Air Particly Filter	Cs-137	< MDA		µCi/cc	2.00E-13	Rain	right rain during 24 hour sample period
484	Station One and Two South Texas Project Electric Generating	3/27/2011	841	On Site	Air Charcoal	1-131	\$.7 <b>\${-14</b>		µCi/cc		Clear	24 h sample; date/tene Ested is sample start time
485	Station One and Two	3/27/2011	8.41	On Ste	Air Particle Fiber	1-131	< MDA		µCi/cc	1.39E-14	Clear	24 h sample; date/time Ested is sample start time
486	V. C. Summer Nuclear Station	3/27/2011	15:00	Off Sce	Rain Water	1-131	28.87	pCi/l			Ram	2.6 miles SSE of plant
487	V.C. Summer Nucleur Station	3/27/2011	13:00	Off Site	Air Charcoal	i-131	0.1376	pCi/meter3			Rain	24 hr grab 2.6 mülles SSE of plant
433	Browns Ferny	3/27/2011	12:51	On Ste	Air Charcoal	+131	0.05	pG/meter3		0.03		
489 490	Browns Ferry Browns Ferry	3/?7/7011 3/27/2011	951 11:24	On Ste On Ste	Air Charcoal Air Charcoal	131 1131	0.05 0.05	pCi/meter3 pCi/meter3		0.03		
491	Browns Ferry	3/27/2011	11:56	On Ste	Air Charcoal	(-131	0.05	pCVIneter3 pC/meter3		0.03 0.03		
492	Browns Ferry	3/27/2011	10:28	Off Site	Air Charcoal	1-131	0.04	pC/meter3		0.03		
493	Browns Ferry	3/27/2011	9:06	On Ste	Air Charcoal	1431	0.05	pC/meter3		0.03		
494	Browns Ferry	3/27/2011	854	0052	Architoal	1431	0.05	pC/meter3		0.03		
495	Browns Ferry	3/27/2011	9.31	On Sta	A'r Charcoal	1-131	0.05	pC/meter3		0.03		
496	Browns Ferry	3/27/2011	9.51	On Ste	Ar Charcoal	1-131	0.04	p0/meter3		0.03		
497	Browni Ferry	3/27/7011	11.41	On Ste	A'r Charcoal	1-131	0.05	pCrimeter3		0 03		
498	Palo Verde Nurthar Generating Station	3/27/20:1	14:10	On Ste	A'r Charcoal	1-111	2.226-13		utile		Other	Coundy Wenther, PVNGS Sama's # 2-11-0450
49 <del>9</del>	Palo verde Nuclear Generaling Station	3/27/20:1	14:10	On Sie	Air Partic'e F,lter	Cs-134	< mda		μτί/ες	1576-12	Other	Cloudy Weatner, PVNGS Sample # 2-11-0449
500	Pario Verde Nuclear Generating Station	3/27/2011	14:10	On Ste	Air Particle Filter	Cs-137	< mda		μCi/cc	2315-13	Other	Goudy Weather, PVNGS Sample # 2-11-0149
501	Columbia Generating Station	3/27/2011	9.30	On Site	A'r Charcoal	1-131	4.69£-13		μ0/cc		Clear	24 hour air samole
502	Wolf Creek Generating Station	3/27/2011	<u>}6:45</u>	On Ste	Rain Water	-131	3.131-08		uC/ml	1 205-08		Storm water run off Taken in Atascadero about 35 miles north of DCPP,
503	Diablo Canyon Power Plant	3/27/2011	17:30	Off Sie	Vogetation	⊦131	462	pCiAg		15.1	Clear	fescue grass Taken in Atasradero about 35 márs north of DCPP,
504	Diablo Canyon Power Plant	3/27/20:1	17:30	Off Site	Vegetation	Cs-134	232	pCi/kg		13 1	Cinar	fescue grass Taken in Atascadero about 35 mées north of DCPP.
505	Diabio Canyon Power Plant	3/27/2011	17:30	Off Site	Vegetation	(\$-137	226	pC/vg		12.2	Clear	fescue grass Gross Beta, Tuken in Atascadero about 35 miles
506	Diablo Canyon Power Plant	3/27/7011	17:30	Olf Size	Vegetation	Other	5810	ρCψ <sup>2</sup> g		474	Clear	nerth of DCPP, tescue grass
507	Diablo Canyon Power Plant	3/27/2011	17:30	Off Site	Vegetation	Other	< MDA	pCi∤kg		494	Cear	Gross Alpha, Taken in Asascadero about 35 miles north of DCPP, fessue grass
508	Diable Canyon Prever Plant	3/27/2011	17.30	OH Site	Vegetation	Other	< MDA	¢C/∿g		134	Clear	Total Strenswin, Taken in Alassadero about 35 miles north of DCPP, fescue grass Takena Antioneur about 35 miles and a Comp
509	Diobio Canyon Power Plant	3/27/2011	18:00	Off Site	Vegetation	1-131	347	pCi/cg		8.27	Clear	Taken in Atalicadero about 35 miles north of DCPP, Miner's Lettuce
510	Diablo Canyon Power Plant	3/27/2011	18.60	Off Sile	Vegetation	le-132	18.3	pC/Ag		12.5	Clear	Taken in Alascadoro about 35 miles north of DCPP. Miner's Lettuce
511	Diablo Canyon Power Frant	3/27/2011	18.00	Off Ste	Vegetation	(5-134	256	pCivig		6.79	Clear	Taken in Azakadero abour 35 miles north of DCPP, Mixed's Lettuce
512	Diado Canyon Power Plant	3/27/2011	18 00	Off Size	Vegetation	Other	22.6	<b>s</b> t ing		9.6	Clear	C5-135, Taken in Atascodero about 35 mees north of DCPP, Mine 's Lettuce
513	Diable Canyon Power Plant	3 <i>1771</i> 2011	18:00	Off Sie	Vegetation	Cs-137	260	ρCiAg		5.64	Clox	Taken in Ataxadero about 35 miles north of DCPP, Miner's Lettuce
514	Olablo Canyon Power Plant	3/27/2011	18:00	Oll Sile	Vegetation	Other	3760	рс vis		164	Clear	Gross Beta, Tuken in Atascadera about 35 arries north of DCPP, Miner's Lettuce
515	Diable Canyon Power Hant	3/27/2011	18:00	Off Ste	Vegetation	Other	< MDA	pCitz		167	Clear	Gross Alpha, Taken in Atascadero about 35 miles north of DCPP, Milner's Lectuce
516	Diablo Canyon Power Flant	3/27/2011	18:00	Off Sire	Vegetation	Other	< MDA	pC/Ag		168	Cear	Total Strontium, Taken in Association about 35 miles north of DCPP, Miner's Lottuce
517	Dialalo Canyon Power Plant	3/27/2011	17:45	CII Sire	Vogetation	i-131	193	pC:/Ag		10 3	Clear	Taken in Atoscadero about 35 miles norm of DCPP. Mile Thistle
518	Busho Caryon Power Flant	3/77/2011	12.45	Oll Ste	Vegetation	(s·134	109	plure		<b>B.</b> 39	Clear	Taken in Atascadero about 35 m/les north of DCP?, Milk Thistle
519	Diablo Canyon Power Plant	3/27/2011	17:45	Office	Vegetation	G-137	111	pC/ug		7.39	Clear	Taken in Atascadero about 35 miles north of DCPP, Mile Thistle

500 - 21-2 DE-30

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520	Diablo Canyon Power Plant	3 <i>737</i> 7811	17:45	Off Size	Vegetation	Other	4110	pC/Ag		196	Clear	Gross Betä, Taken in Atarcadero about 15 miles north of DCPP, Milk Teistle Gross Alpha, Taken in Atascadero about 35 miles
521	Diablo Canyon Power Plan;	3/27/7011	17:45	Off Size	Vegetation	Other	< MŨA	oG/ve		168	Clear	north of OCPP, Milk Thistie Total Strontium, Taken in Atascadero about 35 miles
522	Diable Catyon Power Plant	3/27/2011	17:45	OH Site	Vegetation	Diner	< MDA	pCi/kg		168	Cear	north of DCPP, Mix Tass'e
523	North Anna Power Station	3/27/2011	8:00	OffSite	Other	1-131	4 37 E-7		μCi/ml		Snow	Snow melt, 24 miles NVV of pion:
524	Noch Anna Power Station	3/27/2011	8:00	Off Site	Other	1-131	4531-8		uCi/mi		Snow	Snow Metr. 24 miles WNW of plan:
525	North Anna Power Station	3/27/2011	8:00	Off Site	Other	1-131	8.20 F-8		µC:/mi		Snow	Snow Melt, 5.5 miles WSW of plant
526	North Anna Power Station	3/27/2011	8:00	Off Site	Other	1-131	2.34 E-8		uCi/ml		Snow	Snow Melt, 51 miles SSE of pian;
527	NextEra Energy Seabrook	3/27/2011	15:02	On Ste	Air Charcoal	1-131	2.951-05	pCiA			Clear	Production warehouse
528	NextEra Energy Seabrook	3/77/2011	15:17	On Ste	Air Charcoal	1-131	3.261-05	ρΟΛ			Cinar	OSB - North end
529	Turkey Point Nuclear Power Plant	3/27/2011	14:50	Off Site	Ar Particle Filter	1-131	< mda	pCi/L		1.17E-04	Clear	
530	Turkey Point Nuclear Power Plant	3/27/2011	14:50	Off Site	A'r Charcoal	F131	1.478-04	pCv/L		8.26E-06	Clear	
531	Turkey Port Nuclear Power Plant	3/27/2011	14:50	Off Site	Air Particle Filter	1-131	< mda	pCi/L		1.17E-01	Cicar	
532	Turkey Point Nuclear Power Plant	3/27/2011	14:50	Off Size	Air Charcoal	1-131	< mda	pCi/L		8.266-06	Clear	
533	Turkey Point Nuclear Power Plant	3/26/2011	15:00	Off Site	Air Particle Filter	1-131	< mda	pCVL		1.176-04	Cear	
534	Turkey Fornt Nuclear Power Plant	3/26/2011	15:00	Off Sig	Air Charcoal	1-131	2,148,04	pCi/L		8.26E-06	Ciear	
535	Turkey Point Nuclear Power Plant	3/26/2011	11:00	On Site	Air Charcoul	1-131	3.041.04	pCift		8 26E-06	(iear	
	Turkey Point Nuclear Power Flam	3/26/2011	15:00	Off Site	Air Partice Filter	1-131	< mda	pĊVL		1.175-04	Lital	
536	. ,			Off Site	Air Chartoal			pcvi pCi/L			Clear	
537	Turkey Point Nuclear Power Plant	3/26/2011	15:00	On Sta	Air Charcoai Air Particle Filter	1-131 1-131	2.271 04 < mda	pCi/L		8.26f-06 1.17E-04	Ciear Ciear	
538 ima	Turkey Point Nuclear Power Plant	3/26/2011	11:00							1.1/1-04		of the second black and the second black
539	Nentera Energy Seabrook	3/26/2011	20.23	Qa Site	Air Charcoal	1-131 1-131	1.856-05	9Ci/L			Clear	RCA Storage Blog vents (unexpected)
540 r.h.	North Anna Power Station	3/26/2011	13.56	On Site	Air Charcoal		1991-13		μC/cc			0.6 miles SE of the plant
541	North Anna Power Station	3/26/2011	14:07	On S≊	Air Charcoal	1-131	6 94 <u>F</u> .14		μĈi/œ		~	0.3 miles NV/ of the pizm
542	St. Litig Nuclear Power Plant	3/26/2011	12 45	On Site	Air Charcoal	1-131	3.93F-13		uCijec		Clear	Sample quiled at south RCA fence ine
543	St. Lucie Muclear Power Plant	3/26/2011	12:45	On Ste	Air Charcos	1-131	5.80E-13		uCi/rc		Clear	Sample pulled at Warehouse (south of plant)
544	-Columbia Generating Station	3/26/2011	9:30	On Size	Air Charcoal	1-131	5.66F-13		μΟί/ΟΖ		Ciear	24 hour air sample
545	Palo Verde Hussear Generating Station	3/26/2011	13:15	On See	Air Charcoal	1-131	5,568-13		vCl/cc		Clear	PVNGS Sample # 2-11-0445, 24 nour sample
545	Palo Verde Nuclear Generating Scatton	3/26/2011	13-15	On Site	An Particle Filter	લ્નામ	< mda		yKika	3.148-13	('ear	PVNGS Sample # 2-11-0444, 24 nour sample
547	Pala Verde Nutiear Generating Station	3/26/2011	13-15	On Size	All Particle Fater	Cs-137	< mda		iCicc	2238-13	Clear	PVNGS Sample # 2-11-0444, 24-nour sample
548	V. C. Summer Hudear Station South Texas Project Electric Genérating	3/26/7011	15:00	Off Site On Site	Air Charcosi Air Panicle Fiber	1-131	0 1133 < MDA	pG/meter3		3 201 14	Rann	24 hr grab 2.6 miles SSE of plant
549	Station One and Two South Texas Project Electric Constanting	3/26/2011	문학 1 2.11		Air Charcoal	-131	< MDA		μCi/cc	3.301-14	Cear	24 h sample: date/time isted is sample start time
550	Station One and Two	3/26/2011	' 841	On Site	Rain Water	1-131	24.6	-icili	μίως	5.63(-14 LLD=15	Ciear Ciear	24 n sample; dareytime listed is sample start time 24.4 +/- 4.9 at site boundary 4200' SSW sector Be-7
551	NégErá Energy Point Beach	3/25/3011	13:55	On Ste On Ste		+131	183	pCi/L				= 72.5 +/- 29.4 pCi/( 18.3 +/- 4.8 4200° W sector Be-7 = 22.5 +/- 14.7 by c MDC (31.5)
552	NéalErá Energy Polai Beach	3/25/2011	13:40		Rain Water	1-131	33.1	pCi/L pCi/L		LLD=15	Cear	33.1 1/-4.7 north boundary 6000" NNW sector Be-7
553	NextEra Energy Point Beach	3/75/2011	12.30	On Site	Pain Water			pere		10=15	(ies.	
554	Palo Verde Nuciear Generating Station	3/25/2011	13:41	On Size	Ar Charcoal Mark and Charcoal	1-131	1.255 12		pCi/se		Ciear	PVNGS Sample # 2-11-0441, 24 nour sample
555	Paio Verde Nuclear Generating Station	3/25/2011	13.41	On See	Air Particle Filter Als Particle Filter	(5-134 (- 137	3 50[-13		µCi,ta		CRA	
556	Palo Verde Nuclear Generating Station South Texas Project Electric Generating	3/25/2011	11:41	<b>ዕ</b> ካ <u>ዓ</u> ንቋ	Av Particle Filter	G-137	2.6/1-13		pCi/rc		683	PVNGS Sample # 2-11-0440, 24-hour sample
557	Station One and Two Station One and Two South Textus Project Electric Generating	3,75/2011	741	On Stæ	Air Particle Filter	1431	< MDĄ		µC√cc	3.03E-14	(jeð-	25 h sample; date/time kised is sample start time
558	Station One and Two	3/25/2011	7:41	On Ste	Air Charcosl	131	6.96[-14		uC:/cc		Ciear	25 in sample, date/time listed is sample, start rime
\$59	V.C. Summer Nuclear Station	3/25/2011	15.00	Off Site	Air Charcoal	1-131	0.147	pCi/meter3			Cigar	24 hr grab 2.6 miles SSE of plant
\$60	Columis's Generaling Station	3/25/2011	9:30	On Siz	Air Charcox	1.131	6711-13		yC//c		Ciear	24 hour air sample
561	Dretden Station	3/25/2011	8.00	On Size	Air Charcoal	1-131	0.07316	pG/meter3			Cear	Gross Bata, Station 552, Onsite, ENE at 0.6 miles
562	Diphio Canyon Power Plant	3/25/2011	900	On Se	Aaîn Water	Other	101	pCiΛ		3.27	Rain	from DCPP Gross Beta, Station 511, San Luis Obispo, ENE at 10.2
563	Diab'o Canyon Power Plant	3/25/2011	8 00	Off Sate	Rain Water	Other	68.5	ρſγλ		2.89	Rain	miles from OCPP Scation SF1, San Luis Obispo, ENE at 10.2 miles from
5,64	Diablo Canyon Power Plant	3/25/2011	8:00	Off Sale	Rain Water	+131	98.14	pCi/L		3.1	Rain	DCPP Station SF1, San Luis Obispo, ENE at 10.2 miles from
	D able Canyon Power Plant	3/25/2011	8:00	Off Site	Rain Water	1-132	6.763	pCi/L		6.046	Rain	DCPP

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												Station SF1, San Luis Obsoor, EAF at 10.2 miles from
566	Diablo Canyon Power Plant	3/25/2011	8:00	Off Sne	Rain Water	Te-132	10.41	oCi/L		5.87	Rain	DCFP
557	Diabio Canyon Priver Plant	3/25/2011	\$ <del>.</del> 00	Off Site	Rain Water	Cs-134	8.867	pCi/L		2,252	Rain	Station SF1, San Luis Obispo, EVE at 10.2 miles from DCPP
568	Dieblo Canyon Power Mant	3/25/2011	\$100	Off Site	Rain Water	(j-137	7.162	pCi/L		2.032	Rain	Station SF1, San Luis Obispo, ENE at 10.2 m /es from DCPP
560	Diablo Campon Power Piant	3/25/2011	9:30	On Site	Rain Water	1101	226.9	₽C•/L		3,797	Rain	Station 151, Onsize, NNW at 0.4 miles from DCPP
\$70	Diablo Canyon Power Plant	3/25/2011	9:30	On Site	Rain Water	Te-132	19.55	¢G/L		7.273	Rain	Station 151, Onsite, NNW at 0.4 miles from DCPP
571	Diablo Canyon Power Plant	3/25/2011	9:30	On Site	Rain Water	(s-134	13.51	ρCiΛ		2.607	Rain	Station 151, Onsite, NNW at 0.4 miles from DCPP
577	Diaolo Canyon Power Plant	3/25/2011	9:00	On Site	Rain Water	1-132	23.22	pG/L		5 449	Rain	Station 552, Onsite, EXE at 0.6 mdes from DCPP
573	D polo Canyon Power Plant	3/25/2011	9.00	On Site	Rain Water	1- H2	25.03	pCi/L		7.178	Rain	Station SS2, Orbite, ENE at 0.6 males from DCPP
574	D ubio Canyon Power Piant	3/25/2011	9:00	On Site	Rain Water	(5-134	14.73	pCi/L		2 353	Rain	Station SS2, Onsite, ENE at 0.6 mJes from DCPP
575	Diablo Canyon Power Plant	3/25/2011	9100	On Site	Ran Water	(5-137	15.99	pCi/L		2.031	Rain	Station SS2, Onsite, ENE at 0.6 miles from DCPP Gross Beta, Station 151, Onsite, NNW at 0.4 miles
576	D'abo) Canyon Power Plant	3/25/2011	9:30	On Site	Rain Water	Other	64	pCr/L		3.19	Rain	from DCPP
\$77	Diablo Canyon Power Plant	3/25/2011	9:30	On Site	Rain Water	<b>(</b> , 17)	13.59	pCiA		2.301	Rain	Station 151, Onsite, NNW at 0.4 miles from DCPP Station 5F1, San Luis Obispo, ENF at 10.2 miles from
578	Diablo Canyon Power Piani	3/75/2011	8:00	Off Site	Aan Water	H-3	< MDA	жħ		236	Pain	DCPP Gross Beta, Station SF3, San Luis Obispo, ENE at 10.2
579	D ablo Canyon Power Plant	3/25/2011	800	Off Site	Rain Water	Ûther	68.5	cG/L		2.89	Rain	m les from DCPP Grave Alpha, Station SF1, San Luis Obisoo, ENE at
580	D'atto Cangoo Power Plan:	3/85/2011	8.00	Off Site	Rain Water	Other	< MDA	pCi/L		21	Rain	10 2 miles from DCPP Total Strontum, Station SF1, San Luis Obișno, ENE a:
581	Distilo Canyon Power Plant	3/25/2011	8.00	Off Sate	Rain Water	Other	< MDA	pCi/L		0 \$75	Rain	10.2 miles from DCPP
582	Diablo Canyon Power Plant	3/25/2011	9:30	On Site	Rain Water	H-3	< MDA	pCrA		238	Raia	Station 151, Onsite, NNW at 0.4 miles from DCPP Gross Beta, Station, 151, Onsite, NNW at 0.6 miles
583	Diablo Canyon Power Plan:	3/25/2011	9,30	On Site	Rain Water	Other	64	pCi/L		3,19	Rain	from DCPP Gross Alaha, Stution 151, Onsige, NNW at 0.4 miles
584	Diabo Campon Power Plant	3/25/2011	9:30	Cri Sie	Rain Water	Other	< MDA	pCı/L		, 263	Rain	from DCPP Total Strontium, Station 151, Onsite, NNW at 0.4
585	Drabo Camon Power Plini	3/75/2011	9:30	On Ste	Rain Water	Other	< MDA	pGA		0.597	Rain	miles from DCPP
586	Glabb Carryon Power Plant	3/25/2011	9.00	On Site	Rain Water	H-3	< MDA	ρûΛ		237	Rain	Station 552, Onste, EVE at 0.6 miles from DCPP Gross Beta, Station 552, Onsite, EVE at 0.6 miles
587	Diablo Canyon Power Plant	3/25/2011	9:00	On Site	Rain Water	Oiher	101	pCi/L		3.27	Rain	from DCPP Gross Alpha, Stallori 552, Onsite, ENE at 0.6 miles
588	D'ablo Canyon Power Plans	3/25/2011	9.00	On Site	Rain Water	Other	< MDA	pCv/L		2.65	Rain	from DCP? Total Stronturm, Station 552, Onvire, ENE at 0.6
589	Diablo Canyon Power Frant	3/25/2011	900	On Site	Rain Water	Other	< MDA	pCi/L		0.521	Rain	nties from UCPP
550	Dablo Canyon Power Hant	3/25/2011	'9 <b>0</b> 0	0n \$ t#	Rain Water	i-B1	234 7	26/1		3.288	Rab	Station 552, Onsite, ENE at 0.6 miles from DCPP
591	Three Mile Hand Nuclear Station	3/25/2011	0.00	On 5 te	Rain Water	1431	51.1	cC:/L			Ran	Control Location
592	Heritra Energy Seabrook	3/25/2011	2:39	On Site	Air Charcoal	1-131	3 962-05	pCs/L			ઉલ્ટ	OSB 32" North end
593	Donald C. Cook Nuclear Plant	3/25/2011	10-15	OH St#	Mák	1-131	< MDA		µCı/m	5.18E-09		Officite farm outies sample
594	Dansid C. Cook Nutlear Plant	3/25/2011	6:10	Off Site	A r Charcoal	1-131	< MDA		դ <b>ն</b> /են	~ 3.33E-14		Portable air rample station established in an area to: background (> 20 miles from site). I-DOW-B Portable air sample station established onsite near
595	Donald C. Cook Muchear Plant	3/25/2011	14:13	On Site	A'r Charcoa'	1:131	< MDA		μCi/cc	3 605-14		an onsite REMP air station. J-ONS-48
<u>596</u>	Turkey Point Nuclear Power Piant	3/35/7011	15:00	Off Sile	Air Particle F. her	1-131	< mda	pCiΛ		1 176-04	Cear	Township Potable Water Supply sample from onsite
597	Donald C. Cook Nuclear Plant	3/25/2011	9.47	On Site	Other	ŀ13İ	< MDA		µն/m)	4.79E-09		tap.
598	Donald C. Coot Nuclear Plant	3/25/2011	10.00	On Site	Ground Water	1-131	< MDA		µCi/ml	5.826-09		REMP Well #10
599	Turkey Point Huslear Power Plant	3/25/2011	10:45	On Site	Aiz Particle Filter	+131	5.982-05	p€/L		1.176-04	Clear	
600	futiey Ports Nurlear Power Plant	9/25/2011	10:45	On Site	Air Charcoal	H131	4,49£.04	pCi/L		8.268-06	Clear	

601	Turkey Point Nuclear Power Plant	3/25/2011	15:00	Off Size	Air Charcoai	1-131	8.732-05	pCi/L		8.261-06	Clear	
602	Turkey Point Nuclear Power Plant	3/25/2011	15:30	Off Site	Air Particle Filter	1-131	< mda	pC:/L		1,171-04	Clear	
603	Turkey Point Nuclear Power Plant	3/25/2011	15:30	Off Site	Air Charcoai	1-131	2.13E-04	¢C√L		8.26E-06	Clear	
ស្រ	Dona'd C. Cook Nuclear Plant	3/24/2011	12.45	On Site	Rain Water	1-131	3.79£-08		µCı/ml	~ 7.67£-09	Rain	Runoff collected from onsite parking iot, approx. 1/4 m <sup>2</sup> e from site vent stacks. Rain/snow mix. Snow meit collected off of onsite warchouse roof; snow fellowernight w/ less than an inch
605	Dona-d C. Cook Nuclear Plant	3/24/2011	11:15	On Site	Rain Water	1-131	1.445-07		µCi/ml	~ 7.67E-09	Snow	accumulation. Runoff water collected from offsite parking for into a ditch; snow met and rain water mix. 3 miles from
606	Donald C. Cool: Nuclear Plant	3/24/2011	11.37	OH 5 te	Rain Water	1-131	1.478-08		µCi/ml	7.678-09	Snow	site. Sample collected from offsite parking for runoff collection pond. < 1 mile from site. Weather a
607	Donald C, Cook Nuclear Plant	3/24/2011	12:24	Off Site	Rain Water	1131	< MDA		µCi/m1	7.678-09	Rain	rain/snow mic. Parking fot runoff collected < 1 mile from site. Rain/
608	Donald C. Cook Nuclear Plant	3/24/2011	12:38	Off Site	Rain Water	1-131	1.42E-08		pCi/ml	^ 7.67E-09	Rain	snow mix,
609	Braidwood Station	3/24/2011	15:00	On Site	Air Charcoal	i-131	0 04964	pCi/meter3			Clear	
610	St. Lucie Huslear Power Plant	3/24/2011	12:45	On Site	Air Charcoal	1-131	4.57[ 13		uG/:c		Clear	Sample obtained at Warehouse (south of plant)
611	North Anna Power Station	3/24/2011	0.00	Off Site	Rain Water	1-131	13688		uCi/ml		Rain	5.5 miles WSW of plant
612	North Anna Power Station	3/24/2011	8:00	Off Size	Rain Water	1-131	< MDA		µCı/ml	1 79E-08	Rain	51 miles SSE of plant
613	Catioway Nuclear Plant	3/24/2011	12:00	Off Site	Al: Charceal	1-131	0.065	pCi/meter3		0 01		
614	Carlaway Nuclear Plant	3/24/2011	17:00	OH S.	Air Charcoal	1-131	0.062	Ci/meter3		0.01		
615	Caliaway Nuclear Plant	3/24/2011	12:00	Off S::2	Air Charcoal	1-131	0.068	pCi/meter3		0.01		
616	Callaway Nuclear Plant	3/24/2011	12:00	Off Site	Air Charcoal	1-131	0.049	pCi/meter3		0.01		
617	Calaway Nuclear Plant	.3/24/2011	12:00	Off Site	Air Charcoal	1-131	0.067	pCi/meter3		0.01		
618	North Anna Power Station	3/24/2011	0.00	Off Site	Rain Water	1-131	1217		µCi/ml		Rain	24 miles NW of plant
619	NextFra Energy Duane Arnold	3/24/2011	9:30	Off Site	Rain Water	1-131	23.2	ρር/ኒ		LLD=15	Clear	Publice near REMP sample station D-3
620	NextEra Energy Duane Arnold	3/24/2011	850	Off Size	Ra'n Water	1-131	23.8	pCiA		LLD=15	Clear	Puddle near REMP sample station D 6
621	Millstone Nuclear Power Station	3/24/2011	6:37	On Ste	Ar Charceal		< mda					,
672	HeatEra Energy Duane Arnold	3/24/2011	į0:00	OffSite	Air Particle Filter	1-131	0 0316	pCi/meter3		0.3	Clear	REMP sample locations
673	NextEra Foergy Duane Arnold	3/24/2011	10:00	Off Site	Air Charcoal	+131	0 098	pCl/mster3		0.3	Clear	REMP sample stations
674	Falo Verde Huckey: Génerating Station	3/14/2011	11-00	Olf Site	Vegelation	+131	53	pCi/kg				Routine REMP sample, (Ste #62) location is ENE 26 miles. Note that the result is less than the ODCM
0.4	Low strat works contrained and real	924CC011		ALC ME	at Recardos	-131	,,	head			Clear	required LLD for F-131 of 60 pCv/kg. Routine REMP sample, [Site ∎53, goat milk] location
625	Palo Verde Nucléar Génerating Station	3/24/2011	1200	Off Site	MA	1-131	4.616	pCi/L			Clear	is NE 30 miles.
626	NextEra Energy Duane Ameld	3/24/2011	8:20	9.2110	Rain Water	1-131	23.1	pCiA		LUD=15	Clear	Puddle neat REMP sample station at D-1
627	Militione Nuclear Power Station	3/24/2011	6:30	On Ste	Other	1-131	2.170.08		μCi/ml	1.218-08	Show	Snow sample
623	Later County Generating Station	3/24/2011	8.40	On Site	Air Charcoal	1-131	0.05561	pCI/meter3			Cear	
												Total Strent um, Station 552, Orbite, ENE at 0.6
629	D'ablo Canyon Power Plant	3/24/2011	14:30	On Site	Rain Water	Other	< MDA	oCi/L		0 593	Ran	mi≇s from DCPP Gross Beta, Station 552, Onsite, EHE at 0.6 miles
630	Dáblo Canyon Power Piant	3/24/2011	14:30	On Site	Rain Water	Othér	165	¢6/L		2.99	Rain	from DCPP
631	Surry Power Station	3/24/2011	10:10	Off Site	Rain Water	1-131	1.671-08		μCı/mi		Rain	Composite sample from 3 locations 12.5 miles ESE Some sample as previous record. Composite from 3
632	Surry Power Station	3/74/2011	10-10	Off Site	Rain Water	(1-137	1.761-08		yC/ml		Rain	locations 12.5 m <sup>1</sup> es ESE
633	Surry Power Station	3/24/2011	9:31	On Site	Rain Water	G-137	1 255-08		uCi/ml			Composite sample
												Gross Alpha, Station SS2, Onsite, FNE at 0.6 miles
574	Diable Canyon Power Plant	3/74/2011	14;30	On Site	Rain Water	Other	527	¢7/L		2.34	Rain	from DCPP
635	Duble Centren Power Plant	3/24/2011	14:36	On Ste	Rain Water	+131	474	ρCiΛ		3.4	Rain	Station 151, Onside, NRAY at 0.4 miles from DCPP
636	Orabio Canyon Power Plant	3/24/2011	14,36	On Site	Rain Water	132	16.3	pČi/L		4.2	Rain	Station 151, Onsite, NNW at 0.4 miles from DCPP
637	Diablo Canyon Power Plant	3/24/2011	14:36	On Site	Rain Water	Te-132	24 9	pCi/L		5.52	Rain	Station 151, Onside, NNW at 0.4 m les from DCPP
638	Diablo Canyon Power Plant	3/74/2011	14:36	On Site	Rain Woter	Cs·134	17.1	pCi/L		2.2	Rain	Station 151, Onsite, NNW at 0.4 miles from DCPP
639	Diablo Canyon Priver Plant	3/24/2011	14:36	On Site	Rain Water	Cs-137	16 2	pCi/L		1 76	Rain	Station 151, Onsite, NNW at 0.4 miles from DCPP

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640	Diacio Canyon Power Plant	3/24/2011	14:36	On Sie	Rain Water	H-3	< MDA	pCı/L		220	Rain	Station 151, Onsite, NNN at 0.4 miles from DCFP Gross Beta, Station 151, Onsite, NNN at 0.4 miles
64)	Diablo Canyon Power Plant	3/24/2011	14:36	On Sile	Rain Water	Other	66.2	pC/L		3	Rain	from DCPP
642	Diablo Canyon Power Plant	3/24/2011	14:36	On 5 te	Rain Water	Other	< MDA	ρίψι		2.29	Rain	Gross Alpha, Station IS1, Onite, NNW at 0.4 miles from DCPP
643	Diablo Canyon Power Plant	3/74/2011	14:36	On Site	Rain Water	Other	< MDA	pCi/L		0.554	Rain	Total Strontium, Station IS1, Onsite, NNW at 0.4 miles from DCPP
644	Susquentions Steam Electric Station	3/24/2011	12:30	Off Ske	Other	1-131	< mdb	pC/L		0.661	Clear	
			11.50	4.1.5.42	01.0		< mag	peue		0.001	Ciear	Loc 655 river intake (0.8 mile ESE of plant) Station SF1, San Luis Obisgo, ENE at 10.2 miles from
645	Diablo Canyon Power Plant	3/24/2011	8:00	Off Sale	Rain Water	1-131	183	pCi/L		3.22	Rain	DCPP.
646	Columbia Generating Station	3/24/2011	9:30	On Site	Air Charcoal	1-131	5.94E-13		µCi/cc		Clear	24 nour air sample
												Station SF1, San Luis Obispo, ENE at 10.2 miles from
647	Diablo Canyon Fower Plant	3/24/2011	8:00	Off Sile	Rain Water	1-132	8.35	pCi/L		5.03	Rain	DCPP
648	Diablo Canyon Power Flant	3/24/2011	8:00	Off Size	Rain Water	Cs-134	5 29	-64			• · ·	Station SF1, San Luis Obispo, ENE at 10.2 mills from
040	Diable Canyon Lower Hars	572472011	8.00	On See	Rain Wales	CS-134	2 29	pCı/L		2.45	Rain	DCPP Station SET. See Luis Obices' ENE as 10.2 miles from
649	Diablo Canyon Power Plant	3/24/2011	8:00	Off Site	Rain Water	Cs-137	4.46	pC√L		2.15	Rain	Station SF1, San Luis Obispoi, ENE at 10.2 miles from DCPP
												Station SF1, San Luis Obispo, ENE at 10.2 miles from
650	Diasio Canyon Power Plant	3/14/2011	3:00	Olf Star	Rain Water	Te-132	12 5	ρCiA		5.7	Rain	DCPP
	0111-01-1-0-1-0	10.00.0										
651	Diablo Canyon Power Plant	3/24/2011	14:30	On Ste	Rain Water	1-131	522	pCi/L		3.15	Rain	Station 552, Onsite, ENE at 0.6 miles from DCPP
652	Diable Canyon Power Plant	3/24/2011	14:30	On Site	Rain Water	H132	199	oCi/t		4.13	Rain	Station 552, Orsite, ENE at 0.6 miles from DCPP
			1	41.83	tuni water	114	177	ycyc		4.13	Aam	Station SS2, Orisite, LNE at 0.6 miles from DCPP
653	Diable Canyon Power Plant	3/24/2011	14:30	On Ste	Rain Water	le-132	25.6	pCi/L		5.15	Rain	Station SS2, Onsite, ENE at 0.6 m.les from DCPP
554	Diable Canyon Power Plant	3/24/2011	14-30	On Site	Rain Water	Cs-134	23.4	pCi/L		1.92	Rain	Station SS2, Onsite, ENE at 0.6 miles from DCFP
655	Diablo Canyon Power Plant	204/2011	14,30	On Site	Date Manuel	C. 117	<b>25 A</b>	- ći n				
000	o avo canyon rower na k	3/24/2011	14-30	OU PIE	Rain Water	Cs-137	25.4	pĊi/L		1.73	Rain	Station 5S2, Onsite, ENE at 0.6 miles from DCFP
656	Diablo Canyon Power Piant	3/24/2011	14:30	On Site	Rain Water	H-3	< MDA	oCi/L		220	Rain	Station 552, Onsite, ENE at 0.6 miles from DCPP
												Total Strontium, Station SF1, San Luis Obispo, ENE at
657	Diablo Canyon Power Plant	3/24/2011	8:00	Off Site	Rain Water	0!:14!	< MDA	pCi/L		0.63	Rain	10.2 miles from DCPP
		201001		ou e .				- •				Station SF1, San Lus Oo spo, ENE at 10.2 miles from
658	Diablo Canyon Power Plant	3/24/2011	8.90	Off Sile	Rain Water	H-3	< MDA	pCı/L		216	Rain	DCPP
659	Diablo Canyon Power Plant	3/24/2011	8.00	Off Site	Rain Water	Other	50	pC/L		3.32	Rain	Gross Beta, Station SF1, San Luis Oblispo, ENE at 10.2 miles from DCPP
			0.00			Uniçi	20	pear		J.J2	najii	Grocs Alpha, Station SF1, San Luis Obispo, ENE at
660	Diable Canyon Power Plan:	3/24/2011	8.00	Off Sate	Rain Water	Other	< MDA	pCı/L		2.29	Rain	10.2 m <sup>3</sup> es from DCPP
661	Oyster Creek Nuclear Generating Station	3/24/2011	0,00	On Ste	Rain Water	1-131	127	pCı/L			Rain	Met Tower Road. Control location, upwind.
652	NextEra Edergy Point Beach	3/24/2011	17:42	On Sile	A'r Charcoal	1-131	0.071	pC/meter3		LLD=0.030	Ciex	0.091 +/- 0.024 at size E-01 2400 in SSE sector
653	Susquehanna Steam Electric Station	3/24/2011	9:42	Off Site	Air Particle Filter	Other	0.0169	pCi/meter3		0.00173	Gear	Loc 352 gross beta (0.5 mile NE of plant)
564	Susquerianna Steam Electric Station	3/:4/2011	9.51	Off Site	Air Farlic's Filter	Other	0 0152	p()/meter3		0.00199	Clear	Loc 1251 gross beta (0.4 m/e WSW of plant)
665	Susquehanna Steam Electric Station	3/24/2011	10.10	Off Size	Air Particle Filter	Other	0.0193	pC/meter3		0.00196	Clear	Loc 12E1 gross beta (4.7 miles WSW of plant)
666	Susquehanna Steam Electric Station	3/24/2011	10:52	Off Size	Air Particle F.Iter	Other	0.0165	pC/meter3		0.00185	Clear	Loc 6G1 gross beta (13.5 m/es (SF of plant)
667 1 (1)	Susquehanna Steam Electric Station	3/24/2011	11:37	Off Site	Air Farticle Filter	Other	0.0206	çü/meter3		0.00235	Clear	Loc 961 gross beta (12 miles SSE of plant)
668 660	Susquehanna Steam Flectric Station	3/24/2011	9.30	Off Size	Rain Water	1131	27.8	pCift		0 372	Cicar	Loc 352 (0.5 mile NE of plant)
569 570	Susquehanne Steam Electric Station Susquefanne Steam Electric Station	3/24/2011	9.51	Off Sha	Rain Water	1-131	395	pCi/L		0.396	Cieły	Loc 1251 (0.4 mile WSW of plant)
671		3/24/2011	11.3/ 14.W	ALC: NO	State Water	1-131	37.7	p(i/t		0.433	Ciear	Loc 8G1 (12 m le SSF of glans)
0/1	V. C. Summer Huclear Station Soluth Texas Project Electric Generating	3/24/2011	14:35	Off Ste	Air Charcoal	1-131	0 1446	pCi/meter3			Ra,n	24 hr grab 2.6 miles SSE of plane
672	Sisten One and Two	3/74/2011	841	On Site	Air Charcoal	1-131	2.635-13		µC/cr		Cigar	23 h sample; date/trme i sted is sample start time
	South Texas Project Electric Generating		-						<b>F</b> 17 <b>-</b> 1			zon manipie, noretrane aren is sairih a stara Filia
673	Station One and Two	3/24/2011	8.41	On Site	Air Farricle Filter	1433	1.691.14		µC/cc		Clear	23 h sample: date/sme (sted is sample start time
674	Palo Verde Nuclear Generating Station	3/74/2011	13.20	Qn Ste	Air Charceal	4-131	6 301-13		uCi/cc		Clear	PVNGS Sample # 2-11-0437, 72-hour sample
675	Palo Vertile Nuclear Generating Station	3/24/2011	13-20	On Site	All Particle Filter	Cs-134	< mda		µCi∕cc	2.158-13	Clear	PVNGS Sample # 2-11-0436, 22-nour sample
576	Palo Verde Nuclear Generating Station	3/24/2011	13 20	On Site	Air Particle Filter	6-137	< mda	•	aC/kç	3 48[-13	Clear	PVNGS Sample # 2-11-0436, 22-hour sample
617	Surquehanna Steam Electric Station	3/24/2011	9:30	OH Ste	A'r Channai	1-131	0 0579	pCdmeter3		0.00959	Clear	Loc 352 (0.5 mile NE of giant)
678	Prairie Island Muclear Generating Punt	3/24/2011	3:30	0n Site	Rain Water	1-131	28.2	pCV).		7.55	Scow	Location S-70.3 mi MW of PI
679	Susquetanna Sceam Electric Station	3/24/2011	3.43	Off Ste	Ar Chartool	i-131	0 0675	pCi/neter3		0.0133	Clear	Lo: 1356 (0.4 mile W of paid)
680	Susquehance Steam Electric Station	3/24/2011	9.51	Off Site	Ar Charcoal	FB1	0.13	pG/meter3		0.0223	Clea:	Loc 1751 (0.4 mile WSW of plant)

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681	Susquehanna Stram Electric Station	3/24/2011	10:10	Off Size	Air Charcoal	1-131	0 0717	pCi/meter3		0 0151	Ciear	Loc 12E1 (4.7 mdes WSW of plant)
682	Susquehanta Steam Electric Station	3/24/2011	10.52	Off Size	Air Chartos	1-131	0 0561	pCl/meter3		0 0107	Clear	Loc 6G1 (13 5 miles ESE of plant)
683	Susquenanna Steam Electric Station	3/74/2011	11:37	OffSte	Air Charcos'	131	0 0301	pCl/meter3		0 0131	Clear	Loc 861 (12 miles SSE of plant)
684	Prairie Island Nuclear Generating Plant	3/24/2011	14 00	On Site	Rain Water	1-131	< mda	pCi/L		16.9	Snow	Location S-7 0 3 mi NW of PI
685	Praise Island Nociety Generating Plant	3/24/2011	13:00	Off Site	Rain Water	1-131	< mda	pC/L		10.6	Snow	Locat on P-43 13.9 mi N of PI
686	Susquehanna Steam Electric Station	3/24/2011	9:43	Off 5 to	Air Particle Filter	1-131	0.0228	pCi/meter3		0.0185	Ciear	Let 1356 (0 4 mile W of plan!)
687	Susquehonna Steam Clertin: Station	3/24/2011	9:39	Off 5.:e	Air Particle Filter	Other	0.0317	pCi/meter3		0.00119	Clear	Loc 1355Q gmss bsta (0.4 mile W of plant)
688	Susquehanta Steam Electric Station	3/24/2011	9:39	Off Size	Air Particle Filter	1-131	0.0193	pCt/meter3		0.00377	Clear	Loc 1356Q (0.4 mile W of plant)
689	Prairie Island Nuclear Generating Prant	3/24/2011	13:30	Off Site	Rain Water	1-131	21.2	pCi/L		11.9	Snow	Location POIC 11.1 mi NNW of PI
690	HextEra Chergy Point Beach	3/24/2011	1352	On Site	Ar Cnarcoal	1-131	0.101	pCu/meter3		0.03	Cear	0.010+/- 0.022 at 5ite boundary 4200' SSW sector
691	NextEra Chergy Point Beach	3/24/2011	13:37	On Site	Air Charcoal	1-131	0 081	pCi/meter3		0 03	Clear	0.081 +/- 0.023 about 4200' W sector
692	HeatEra Chergy Point Beach	3/74/2011	17:26	On Site	Air Charcos!	⊢131	0 075	pCi/meter3		0 03	Clear	0.075 +/- 0 017 6000" NWY sector
693	NextEra Energy Point Beach	3/24/2011	12.42	011 S 12	Air Charcoal	1-131	0.073	pC/meter3		0.03	Cear	0.073 +/- 0 018, 5.6 miles WNW sector
694	NextErn Energy Point Beach	3/24/2011	10:07	Off Site	Ar Charcoal	F-131	0 104	pCv/meter3		0.03	Cear	0.104 +/- 0.075 17 miles WSW sector
							·					0 0245 +/-0.0034 Thit is a composite of the 6 air particulate samples associated with the charcoal samples. It convises of 4 on site and 2 offsite foccions. These are our RCMP week y samples There were positive indicat on for Cs-134 and Cs-
695	NextEra Energy Point Beach	3/74/2011	17.42	On Site	Air Partic'e Fiter	1-131	0.0245	pG/meter3		0.03	Clear	137 but below the MDC
696	Nextira Energy Point Beach	3/24/2011	17 42	On Site	A's Particle Filter	(5-134	< 0.0009	oC/meter3			Clear	Composite of 6 AP Litters associated air charcoal samples with positive indication for Cs-134 0 0007 +/ 0 0000 but less than the MDC of 0.0009
												Composite of 6 AP liters associated with the reported air charcoal sampics. Small costing
691	NerdEra Energy Point Beach	3/24/2011	17 42	On Ste	Air Panicle Filter	Cs-137	< 0.0013	pCi/meter3			C'ea:	indication 0.0010 +/- 0.0007 but less than the MDC
693	Quad Crives Station	3/?4/?011	0.00	Off S.W	Rain Water	<b>⊦131</b>	37	oC /L			San	10 miles SSW of plant. Port Byron, IL
659	Quad Cities Station	3/24/2011	0:00	OffSte	Rain Water	+131	19.4	pCi/L			Rain	15 miles Wess, Bettendorf, IA Total Strontium, pCr/pad, Sticky Pad about 1'X 3',
700	Diabio Canyon Power Plant	3/23/2011	10.03	OffSte	Other	Other	< MDA			0.453	Rain	with 1 work exposure, Station 052, Ste Boundary, NW et 0.5 miles from DCPP Total Strontium, pCi/pad, Statky Pad about 123.3', with 1 work exposure, Station SP1, San Luk Obupo,
701	Dubio Canyon Power Plant	3/23/2011	15;30	Off Site	Other	Other	< MDA			0.573	Rain	ENE at 10.2 miles from DCPP
702	Prairie Island Nuclear Generating Plant	3/23/2011	13.25	On Site	Rain Water	1-133	< mda	pC/L		19.9	Snow	Location S-6 0 05 milliol Pl
								• •				Station 5F1, San Luis Obsput, ENE at 10.7 miles from
703	Orabiu Canyon Power Plant	1/23/2011	7:26	Off Sile	Air Particle Filter	131	0.0899	pCI/meter3		0.00565	Rain	DCPP, 7 day run (pulled on sample date) Station 7D1, front gate to DCPP in Avia Beach, ISE at 6.6 m34s from DCPP, 7 day run (pulled on samp e
704	Diablo Canyon Power Flant	3/23/2011	750	OffSite	Air Partide finter	1131	0.0754	pC/meter3		0.00445	Rain	date) Station 851, Dosite, SE at 0.5 miles from DCPP, 7 day
705	Diablo Canyon Power Fibrit	3/23/2011	9-23	On Str	Air Par Le Fiter	1-131	0.0318	pCi/meter3		0.00539	Rain	run (pulled on sample date)
706	Palo Verde Noviear Generaling Station	3/23/2011	14.55	Co Site	A: Ciarcoa	1-131	7,426-13		JG/cc		Clear	PVNGS Sample # 2-11-0427, 26 hour sample
707	Palo Verde Nuclear Generaling Station	3/23/2013	14 55	On Site	Air Partic'e filter	Cs-134	< mda		µCi/cc	2.50[-13	Clear	EVNGS Sample # 2-11-0426, 26-hour sample
708	Palo Verde Nuclear Generating Station	3/23/2011	14.55	On Sat	Air Part de filter	Cs-137	< mda		pCi/cc	1.84E-13	Clear	PVNGS Sample # 2-11-0426, 36-hour sample
709	Fort Calibour Station	3/23/2011	13:21	Off Site	Air Charcoal	1-131	0.093	pCi/meter3			Ciear	Sector 1 175 degree from true Horth 0.73 miles from the Center of Containment
710	South Texas Project Electric Generating Stoclon One and Two	3/23/2011	8:41	On Site	Ait Part de Fiter	1-131	3.052-14		yCi/cc		Clear	24 h sample; date/time issed is sumple start time
								eilen a				Sample control station in Sector L 221 degrees from true North 196 miles from the center of
m	Fort Calibour Station	3/23/2011	13:21	Off Size	Air Charcoat	1-131	0.097	pCi/meter3			Ciear	Contakoment. Sector G 114 degress from true North 1 57 miles
112	Fort Calhoun Station	3/73/2011	13-21	Olf Site	Air Charcoal	+131	0 076	oD/meter3			Clear	from the center of Containment. Sector H 163 degrees from true North 0.65 miles
713	For Cathoun Station	3/23/2011	13:21	Off Ste	Air Charceal	1-131	0 097	pCv/meter3			Cest	from the center of Containment. pC/pad, Sticky Pad about 11X 31, with 1 week
714	Diable Curryon Power Plant	3/23/2011	15:30	Olí Site	Gther	1-131	82 1			8 99	Rain	exposure, Station 5F1, San Luis Obispo, ENE at 10-2 miles from DCPP

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											pCi/parl, Sticky Pad about 1X 3', with 1 week
											exposure, Station SH1, San Luis Obispo, ENE at 10.2
715	Diablo Canyon Power Plant	3/23/2011	15:30	Off Site	Other	le-132	25.6		8.46	Rain	miles from DCPP
											pCi/pad, Sticky Pad about 1*X 3', with 1 week
											exposure, Station SET, San Luis Obicco, ENE at 10.2
716	Diablo Canyon Power Plant	3/23/2011	15:30	Off Size	Other	Cs-134	56		8.34	Rain	mies from DCPF
											pCVpad, Sticky PaJ about 1'X 3', with 1 week
											exposure, Station SF1, San Luis Opispo, ENF at 10.2
717	Diablo Canyon Power Plant	3/23/2011	15:30	Off Sae	Other	Cs 137	57.8		9.41	Rim	miles from DCPP
											Station 851, Onsite, SE at 0.5 miles from DCPP,7 day
718	Diablo Canyon Power Plant	3/23/2011	9.23	On Site	Air Part de Filter	1±-132	0.0249	pCi/meter3	0 0117	Rain	run (pulled on sample date)
											Station 851, Onsite, SE at 0.5 miles from DCPP. 7 day
719	D-ablo Canyon Power Plant	3/23/2011	923	On Site	Air Particle Filter	¥132	0 0178	pCi/meter3	0,0133	Rain	run (pulied on sample date)
											Station 701, front gate to DCPP in Avila Reach, ESE
											at 6.6 milles from DCPP, 7 day run (puller) on sample
720	Diacco Canyon Power Plant	3/23;/2011	1.50	Off Sile	Air Particle Filter	Cs-137	0.0145	pCi/meter3	0.00638	Rain	dare)
											Station 701. Front gate to DCPP in Avila Beach, ESE
											at 6.6 miles from DCPP, 7 day run (pulled on sample
721	Diable Canyon Power Plant	3/23/2011	7:50	Off Site	Air Particle Filter	Te-132	0.0395	pCi/meter3	0.011	Rain	date)
											pCi/pad, Sticky Pad about 1'X 3', with 1 week
											exposure, Station OS2, Site Boundary, NW at 0.5
722	Dian'o Canyon Power Plant	3/23/2011	10:03	Off Sile	Other	6-137	86 S		7.11	Rain	miles from DCP?
											Station 052, Site Boundary, NW at 0.5 miles from
723	Diable Canyon Power Plant	3/23/2011	9.48	OH Sta	Air Particle Filter	1-131	0.0802	pCVmeter3	0.00496	Rain	DCPP, 7 day run (pulled on sample date)
								•			Station 052, Site Boundary, NW at 0.5 miles from
724	Diable Canyon Power Plant	3/23/2011	9:48	Off Ste	Air Particle Filter	Cs-137	0.0159	pC/meter3	0.00236	Rain	DCPP, 7 day run (pulled on sample date)
											Station 057. Site Boundary, NW at 0.5 miles from
725	Diablo Canyon Powler Plant	3/23/2011	9 48	Off Site	Air Particle Filter	Te-132	0.0527	pG/meter3	0.009	Rain	DCPP, 7 day run (pulied on sample date)
											Station 052, Site Boundary, Nev at 0.5 miles from
726	Diable Canyon Power Plant	3/73/2011	9.48	Off 5 te	Ait Particle Filter	Cs-134	0 0172	pCi/meter3	0.00586	Rain	DCPP, 7 day run (pulled on sample data)
											Station 851, Onsite, SE at 0.5 m/es from DCPP, 7 day
727	Diable Canyon Power Plant	3/23/2011	9:23	On Str	Air Particle Filter	Cs-134	0.0155	pCi/meter3	0.00572	Rain	run (puiled on sample date)
											Station 851, Onsite, SE at 0.5 miles from DCPP, 7 day
728	Diabo Canyon Power Plant	3/23/2011	9:23	On Site	Air Particle Filter	(1+137	0.00987	pC/meter3	0 0056	Rain	run (pused on sample date)
											pCypad, Sticky Pad about 1'x 3', with 1 week
											exposure, Station DS2, Site Boundary, NW at 0.5
729	Diable Canyon Power Plant	3/23/2011	10:03	Off Site	Other	F131	52.8		7.29	Ran	niles from DCPP
		• •								-	pCi/pad, Sticky Pad about 1'X 3', with 1 week
											exposure, Station BS2, Stc Boundary, NW at 0.5
730	Diablo Canyon Power Plant	3/23/2011	10:03	Off Site	Other	1-132	13.2		8 44	ilin.	nives from DCPP
		·									pCypad, Sticky Pad about 1'X 3', with 1 week
						-					exposure, Station 057, Size Boundary, NW at 0.5
731	Diablo Canyon Power Plant	3/23/2011	10:03	OffSta	Other	Te-132	23.1		9.25	Reia	
											pCi/pad, Sticky Parl about 1X 3', with 1 week
											exposure, Station 052, Site Boundary, HW at 0.5
732	Diablo Canyon Power Plant	3/23/2011	10.03	Off Sale	Other	Čs-134	92		7.34	Rain	miles from DCPP
733	Monticeto Nuclear Generating Plant	3/23/2011	9 00	Off Sig	Air Charcoal	- 1-131	0.059	pC/meter3	0.03	Ci≢ar	11.0 miles my
734	Monticella Nuclear Generating Plan	3/23/2011	9 00	On Site	Air Chàrcoul	1-131	0.076	pC/meter3	-0.03	Clear	0.8 m les SE
			900		Air Charcoal	1-131	0.071				
735	Montrello Huxlear Generating Plant	3/23/2011		On Site				pCr/meter3	0.03	Clear	0.6 m les ESE
736	Monticelio Nuclear Generating Plant	3/23/2011	9,00	On Sre	Air Charcoal	1-131	0.098	pC/meter3	0.03	Cear	0.8 m les 55L
737	Monticello Nuclear Generating Plant	3/23/2011	9:00	Off Site	Air Charcoal	H31	0.077	pCi/meter3	0.03	Cear	2.6 miles SE
											Station SF1, San Luis Obispo, ENF at 10.2 miles from
738	Diable Canyon Power Plant	3/23/2011	7:26	Off Site	Air Particle Filte;	⊢132	0 0 3 1 3	pCi/meter3	0.0109	Rain	OCPP, 7 day run (pured en sample date)
											Station SF1, San Luis Obispo, Etill at 10.2 miles from
739	Diablo Canyon Power Hant	3/23/2011	7:26	Off Sice	Air Partice Filter	Te-132	0 0455	pCimeter1	0 00961	Rain	DCPP,7 day run instited on sample date)
											Station 5F1, San Luis Obispo, ENI. at 10.2 miles from
740	Diablo Canyon Power Plant	3/23/2011	7:26	Off Site	Air Particle Filter	(s-134	0.00986	pCi/meter3	0.00543	Rain	DCPP, 7 day run (pulled on sample date)
											Station SF1, San Luis Obispo, ENE at 10.2 miles from
741	Diable Canyon Power Plant	3/23/2011	7:26	si2 80	Air Particle Filter	Cs-137	0.0135	pC/meter3	0.00485	Rain	DCPP, 7 day run (pulled on samp'e date)
								,			Sector K 207 degrees from true North 0.59 miles
742	Fort Calhoun Station	3/23/2011	13:21	Off Site	Air Charcoal	1-131	0.09	pCi/meter3		Clear	from center of Containment
-											Sector P 305 degrees from true North at 2.86 miles
743	Fort Calhoun Station	3/23/2011	12.21	Off Site	Ar Charcoal	F131	860.0	pCi/meter3		Caur	from the center of Containment
											Station MT1, Onsite MET tower, S at 0.2 miles from
744	Diable Canyon Power Plant	3/23/2011	10.44	On Site	Air Charcoal	F131	1 59	pCi/meter3	0.0017	Rain	DCPP, 7 day run (pulled on sample data)
-											

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pCi/pad, Sticky Pad about 1% 3', with 1 week

745	South Texas Project Recting Generating Station One and Two	3/23/2011	8:41	On Site	Air Cnarcoal	F131	2.38E-13		pCi/cc		` Clear	24 h sample; date/time isted is sample start time Station 2010/CRV incention is is Report. 2 day and
746	Diato Canyon Power Plant	3/23/2011	7:43	Off S-ce	Air Chu:coal	1431	1.68	pG/meter3		0.00121	Rain	Station 701 DCPP front gale Avia Beach, 7 day run (putifici on sample date)
747	Diablo Canyon Pewer Plant	3/23/2011	9:12	On Site	Air Charcoal	1431	1.59	pCi/meter3		0.00227	Rain	Station 852, Site Boundary, SF at 1.1 miles from DCPP, 7 day run (polisid on sample date)
748	Diabio Canyon Power Plant	3/23/2011	9:21	On Sile	Air Charcoal	+131	1.52	pCi/meter3		0.00149	Rain	Station 851, Onolte Target Range, SE at 0.5 miles from DCPP, 7 day run (pulkd on sample date)
749	Diablo Canyon Power Plant	3/23/2011	<del>9</del> .40	On Site	Air Charcoal	1-131	1.51	pCi/meter3		0.00147	Rain	Station 151, Onsite, NNW at 0.4 miles from DCPP, 7 day nm (pushed on sample date)
150	Diable Canyon Power Plant	3/23/2011	9:45	Off Sile	Air Charcoal	1-131	1,48	pCi/meter3		0.00151	Rain	Station OS2, Site Boundary, NW at 0.3 miles from DCPP, 7 day run (pulied on sample date)
751	V. C. Summer Nuclear Station	3/23/2011	15:40	Off Sile	Air Charcoal	1-131	< 0.0431	pCi/meter3			Clear	24 hr grab 2.6 miles SSE of plant
752	Diapio Canyon Power Plant	3/23/2011	7:26	OH 5%	Air Charcoa'	1-131	1.65	pC/meter3		0.01319	Rə n	Station (F. I., San Lus, Obioxo, TNT at 10.2 miles from DCPP, 7 day run (putkd on sample date) Station 701, front gate to DCPP in Axia Beach, 656
753	Diablo Canyon Power Plant	3/23/2011	7:50	Off Sate	Air Charcoal	1-131	1.77	pCi/meter3		0 01293	Rain	at 6.6 miles from DCPP, 7 day run (pulled on sample date)
												Station 851, Orbite Target Range, SE at D.S miles
754	Diabio Canyon Power Plans	3/23/2011	923	On Size	Ay Charcoal	1-131	1.37	pCi/meter3		0.01044	Rain	from DCPP, 7 day run (pulled on sample date)
755	Diabo Canyon Power Mani	3/23/2011	9,48	OII See	Air Chartoat	1-131	1.56	pC/meter3		0 01018	Rain	Station GS2, Site Boundary, NW at 0.5 miles from DCPP, 7 day run (cscled on sample date)
756	Diablo Canyon Priver Plant	3/23/2011	7:24	Off Site	Air Charcost	++131	1.54	pCi/meter3		0.00114	Rain	Station SF1, San Luis Obisoo, ENE at 10.2 miles from DCPP, 7 day run (pulk dion sample state)
757	Oyster Creek Nuclear Generating Station	3/23/2011	8:36	On Site	Ar Charcoal	1-131	< mda	pG/meter3			Clear	
758	Columbia Generating Station	3/23/2011	5.30	On Site	An Chairceal	1-131	4.99ž·13		μϹϊ/ͼϲ		Cear	24 hour air samale
759	Dable Canyon Power Flant	3/23/2011	14:00	On Sta	Rain Water	Other	< MDÅ	pGA		062	! Ram	Total Strontium, Station SS2, Dasite, ENE at 0.6 miles from DCPP
760	D.ačio Canyon Power Plant	3/23/2011	14/00	On Site	Rain Water	Other	< MÓA	pCi/L		2.77	Ran	Gross Arpha, Station 552, Oriste, ENE at 0.6 miles licen DCPP
761	Diažio Caryon Power Plant	3/23/2011	14:00	On Site	Rain Water	H-3	< NDA	pCi/L		218	Rain	Station 552, Oosige, ENE at 0.6 miles from DCPP
762	Diablo Canyon Power Plant	3/23/2011	14:30	On Site	Rain Water	H131	68.8	ρC/A		2.93	Ræn	Station IST, Onsite, NNW at 0.4 miles from OCPP
763	Diablo Canyon Power Plant	3/73/7011	14:30	On Site	Rain Water	Other	12.7	pCi/L		3 55	Rain	Gross Bata, Station 151, Onsite, NNW at 0.4 miles from CCPP
7(4	0.abio Canyon Power Plant	3/23/2011	14:00	On Site	Rain Water	1-131	70 7	pCiA		3 33	Rain	Station 557, Onsite, ENE at 0.6 miles from DCPP
765	D this Carron Power Plant	3/23/2011	14:00	On Site	Rain Water	Other	10.6	pCi/L		3.03	Rain	Gross Reta, Station 552, Onsite, ENE at 0.6 miles from DCPP
766	Diablo Canyon Power Plant	3/23/2011	15:30	Off Site	Rain Water	ŀ-131	124	pCi/L		3 23	Rain	Station 5F1, San Luis Obispo, ENE at 10.2 miles from DCPP
767	Diable Canyon Power Flan	3/23/2011	15-30	Off Site	Rain Water	(s-1 <b>3</b> 4	4,73	pC/L		23	Rain	Station SF1, San Luís Obispo, ENL at 10 2 miles from DCPP
	Date Carporton Congre	-	13 %		14 <u>0</u> 11112121	,		porc		23	142.0	Station SF1, San Luis Obispo, FNT at 10.7 miles from
768	Dipolo Canyon Power Plant	3/23/2011	15,30	Off Ste	Kain Water	G-137	3.29	pfi/L		2.12	Rain	OCPP
769	D.adio Canyon Power Plant	3/23/2011	15:30	Off Sta	Rain Water	Other	258	p <sup>r</sup> i/L		3.3	Rain	Gross Beta, Station SF1, Son Lux Obspo, ENE at 10.2 mPas from DCPP Total Stronthum, Station SF1, Son Lux Obispo, ENE at
770	Diablo Canyon Power Piam	3/23/2011	15:30	OIF Size	Rain Water	Other	< MDA	pGA		0 675	Rain	10 2 m/as from DCPP Gross Algha, Station 5/1, San Luis Obison, ENF at
m	Babb Canyos Power Plant	3/23/2011	15:30	Off Site	Rain Water	Other	< MDJ	pCl/L		2.71	Rain	10.2 m/les from DCPP Station SF1, San Lux Obispo, ENE at 10.2 m/les from
772	Diablo Canyon Power Plant	3/23/2011	15:30	Off Site	Rain Water	H-3	< MDA	pCi/L		219	Rain	OCP9 Total Strontsuri, Station 151, Onsite, NNW at 0.4
773	Diebio Canyon Power Plan	3/23/2011	14:30	Bin Site	Rain Water	Other	< MDA	pCi/L		0 951	Rain	niles from OCPP Gross Alpha, Station 151, Oralie, NNW at 0.4 miles
774	Diable Canyon Power Plant	3/73/7011	14:30	0n \$1:8	Rain Water	Quer .	< MDA	pCill		1.9	Rain	from DCPP
775	Palisades Nuclear Plant	3/23/2011	13:05	Off Sca	Air Charcoul	1-131	0.04	pCv/meter/3		0.07	Clear	Sample was taken \$0.7 m les NE from the plant.
776	Nedūra Energy Duane Acnold	3/23/7011	10.00	On Sty	Rain Water	1431	24 5	pC/L		UD=15	Ciear	Puddle after a nord rain the night before
נת	Milsione Nuclear Powert Station	3/23/2011	6:05	On Site	Air Charcoal	1111	3.70E-13		μCi/cc			

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778	Stilletono Musicos Berrar Cartino	3/33/2014	6.05	Co Co	A - De atile Piles -	c						
779	Milistone Nuclear Power Station North Anna Power Station	3/23/2011 3/23/2011	6:05 26:00	On Site Off S te	Air Particle Filter Rain Water	(s-137 1-131	1.66E-13 1.89 E-8		μG/cc	9.58[-14		N. W. M. C. S.
780	NextEra Energy Seabrook	3/23/2011	13:04	On Ste	Air Grancal	1-131	4.665-05	-6:0	μCı/ml		Rain	22 miles NE of plant
781	North Anna Power Station	3/23/2011	0:00	OffSte	Rain Water	+131	6.51 {-8	pCiΛ	uCi/ml		Clear Rain	Plant Vent (unexpected)
782	North Anna Power Station	3/23/2011	2:22	On Ste	Air Charcoal	1-131	1.48 [-13		µCi/m		Ndii)	24 miles NW of plant 0.6 miles SE of plant
783	North Anna Power Station	3/23/7011	2:22	On Site	Air Charcoal	1-131	1.991-13		μολικό μCi/cc			0.3 miles NW of the plant
754	Three Mile Bland Nuclear Station	3/23/2011	0:00	On Ste	Rain Water	1131	95,4	pCiA	μογος		Rain	Control Location
785	Three Mile Island Nuclear Station	3/23/2011	12:55	On Ste	Air Particle Finer	131	0.05048	pCi/meter3			Clear	Control Cocalitat
786	Three Mile Island Nuclear Station	3/23/2011	17.55	On Ste	Air Charceal	1-131	0.05654	pCi/meter3			Clear	
787	Limerick Generating Station	3/23/2011	0:00	OH Ste	Rain Water	1-131	92.7	pCiA			Rain	
783	Clauon Power Station	3/23/2011	10,38	On Ste	Air Charcoal	1-131	< mda	pC/meter3			Cear	
789	Limerick Generating Station	3/23/2011	10-15	<b>CIÍ Ste</b>	Milk	<b>⊦131</b>	< inda	pCi/meter3			Ciear	
790	Limenck Generating Station	3/22/2011	9;46	On Sile	Air Charcoal	1-131	< mda	pCi/meter3			Clear	
												Charcoal cartridges from eleven of eleven locations
791	Pilgrum Nuclear Power Station	3/22/2011	12.00	Off Site	, Air Charcoal	1-131	< 4.5£-2	oC/meter3		4.50E-02		< MDC.
792	Millstone Nuclear Power Station	3/72/2011	6:37	On Site	Air Charcoal		< mda					
793	Palo Verde Nuclear Generating Station	3/22/2011	9:40	On Site	Air Charcoal	1-131	1 16E-12		µCi/ce		Rain	Unit 1 Fuel Building Ventilation Exhaust Weekly
	The first names determining station	5124,0011	2.40	01010			1 100-12		he der		Nala	Sample, 3/15/2011 to 3/22/2011 Unit 1 Fuel Building Ventilation Exhaust Weekly
794	Pa'o Verde Nuclear Generating Station	3/??/2011	9:40	On Sie	Air Partide Filter	Cs-134	4.84E-14		µCi/cc		Rain	Samole: 3/15/2011 to 3/22/2011
												Unit 1 Fusi Building Ventilation Exhaust Weekly
795	Palo Verde Nuclear Generating Station	3/22/2011	9:40	On Site	Air Particle Filter	Cs-137	< mda		uCi/cc	3.54E-14	Rain	Sample: 3/15/2011 to 3/22/2011
796	Palo Verde Nuclear Generating Station	3/22/2011	8:47	On Site	Air Charcoal	1-131	1.18E-12		"Clee		D.1.	Unit 2 Fuel Building Ventilation Exhaust Weekly
750	To a serve nuclear control ing station	3,24,2021	0	UN JAC		1.01	1.101-12		μιγιι		Rain	Sample: 3/15/2011 to 3/22/2011 Unit 2 Fuel Building Ventkation Exhaust Weekly
797	Pain Verde Nuclear Generating Station	3/22/2011	8.47	On Ste	Air Particle Filter	C:-114	5.80E-14		jµCi/cc		Rain	Sample: 3/15/2011 to 3/22/2011
												Unit 2 Fuel Building Ventilation Exhaust Weekly
798	Palo Verde Huckear Generating Station	3/72/2011	8;47	On Site	Air Particle Filter	Cs-137	5.55E-14		uG/rr		Rain	Samp <sup>T</sup> e: 3/15/2011 to 3/22/2011
799	Paio Verde Nuclear Generating Station	3/22/2011	9:33	On Site	Ar (narcoal	1-131	1.216-12		jiCi/cc		0	Unit 3 Fuel Building Ventilition Exhaust Weally
133	LOO ASING MODICAL CALLEVATOR STATISLI	Straten		01.5.2	rei Chalcodi	-111	1.410-12		purc		Ran	Sample: 3/15/2011 to 3/22/2011 Unit 3 Fuel Building Venilation Exturust Weekly
500	Palo Verde Nuclear Generating Station	3/22/2011	9:33	On Site	Air Paricie Filter	Cs-134	4.64E-14		μC/cc		Rain	Sample: 3/15/2011 to 3/22/3011
												Unit 3 Fuel Building Ventilation Exhaust Weekly
80ł	Palo Verde Nuclear Generating Station	3/22/2011	9:33	On Ste	Air Panic's Filter	Cs-137	6.11E-14		μCi/cc		Rain	Sample: 3/15/2011 to 3/22/2011
802	Missione Nuclear Power Station	3/22/2011	63/	On Ste	A r Pacicle Filter		< mda					
803	Palo Verde Nurlear Generating Station	3/22/2011	945	On Ste	Rain Water	1-131	< /nda		uCi/m)	3.24E-08	Rain	Hair D. Bakashan Matana Tank (DM/D) A city and
	and the second second second					- 101			hedron	3.242-00	nøll	Unit 2 Refueling Water Tank (RWT) Fit Rain water
804	Paid Verde Nuclear Generating Station	3/22/2011	9:45	On Site	Rain Water	Cs-134	< mda		iiCi/ml	4.81E-08	Rain	Unit 2 Refuting Water Tank (RWT) Pit Rain water
805	Palo Verde Nuclear Generating Station	3/22/2011	945	On Site	Rain Water	6-137	< mda		µC/ml	4.04E-08	Rain	Unit 2 Refueling Water Tank (RWT) Pit Rain water
806 003	Palo Verde Nuclear Generating Station	3/22/2011	11.00 11.00	On Site	Rain Water Poin Water	1-13i	1 006-07		µCi/m)		Rain	Unit 2 Auxiliary Building Roof Rain Water
807 622	Palo Verde Nuclear Generating Station Palo Verde Nuclear Generating Station	3/22/2011 3/27/2013	11.00	On Site	Rain Water Rain Woter	(5-131 (5-137	< mda		µԸ/ու	1.15E-03	Rain	Unit 2 Auxiliary Building Rool Rain Water
803	ka o sériné lancian distantati karanés	42,72013	11.00	UI ME	NOW WOLC:	0-137	< mda		µCi/m	4.278-08	Rain	Unit 2 Auxiliary Building Roof Rain Water Routine weekly REMP air sample, Site 4, 3/15/2011 -
\$09	Palo Verce Nuclear Generating Station	3/22/2011	14:30	Off Site	Air Particle Filter	Cs-134	0.038	pC/meter3			Rain	3/22/2011, East 16 miles.
												Routine weekly REMP air sample, Site 4, 3/15/2011 -
810	Palo Verne Hucear Generating Station	1/22/2011	14.30	Offisiz	Air Particle Filter	Cs-137	0.071	pC/meter3			Rain	3/22/2011, Fast 16 miles.
611	Rela Marda Atusiana Concentias Charles	3/22/2011	14:30	Off Ste	Ale Doutiele Eulees		0.004	فريندا				Routine weekly REMP air sample, Site 4, 3/15/2011 -
811	Palo Verde Nuclear Generating Station	5/22/2011	14.30	UNDIE	Air Particle Filter	1-131	0.294	pCi/meter3			Raun	3/22/2011, East 16 miles.
812	Palo Verde Nuclear Generative Station	3/22/2011	14:00	Of Ste	Air Particle Filter	Cs-134	0.061	pC/meter3			Rain	Routine weekly REMP a'r sama'e, Sue 6A, 3/15/2011 • 3/22/2011, SSE 13 miles.
												Routine weakly REMP air sample, Site 6A, 3/15/2011
813	Paio Verde Nuclear Generating Station	3/7?/2011	14:00	Off Size	Au Particle Filter	Cs-137	0 079	pCi/meter3			Rain	- 3/22/2011, SSE 13 mles.
		- mation -	14-00	r# (***	Air Dant'ain Ellinn		0.333	<i>«h</i> + 2				Routine weekly REMP air sample. Site 6A, 3/15/2011
814	Pailo Verde Nuclear Generating Station	3/22/2011	14:00	<b>CH</b> Ste	Air Particle Eliter	1-131	0.223	pG/meter3			Rain	<ul> <li>- 3/22/2011, SSE 13 miles.</li> <li>Routine weekly REMP air sample, Site 6A, 3/15/2011</li> </ul>
815	Palo Verde Nuclear Generating Station	3/22/2011	14:00	Off Size	Air Particle Filter	Te-132	0.063	pCi/meter3			Rain	новала wcexy кеми ал запре, зае ви, зу 15/2011 • 3/22/7011, SSE 13 лијез.
												Routine weekly REMP alsoample, Site 7A, 3/15/2011
816	Pain Verne Huclear Géneraling Station	3/72/2011	13:35	Off Site	Air Particle Filter	Cs-134	0.062	pC/meter3			Rain	- 3/22/2011, ESE 3 m.les.
817	Data Hardi Hudane Committee Comm	3/22/2011	13-35	Off Site	Air Particle Filter	Cs-137	0 07	pC/mater3			D'-	Routine weekly REMP air sample, Ste 7A, 3/15/2011
017	Palo Verdé Nuclear Generating Station	216616011			and a product of the	G-Di		hed meter 2			NJIN	- 3/22/2011, ESE 3 m <sup>2</sup> 25.

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818	Palo Verdy Nuclear Generating Station	3/22/2011	13:35	Off Site	Air Particle Filter	1-131	0.227	pC/meter3			Rain	Routine weetly REMP air sample, S.te 7A, 3/15/2011 - 3/22/2011, ESE 3 miles.
												Routine weekly REMP air sample, Site 144,
819	Palo Verde Nuclear Generating Station	3/22/2011	12:55	Off Sile	Air Particle Futer	(s-134	0.034	pCi/meter3			Rain	3/15/2011 - 3/22/2011, NNE 2 miles.
820	Palo Verde Nuclear Generating Station	3/22/2011	12:55	Off Site	Air Particie Filter	(s-137	0.042	pCi/meter3			Rain	Routine weelly REMP air sample, Site 14A, 3/15/2011 - 3/22/2011, NNF 2 miles.
	·							Per aciere				Routine weekly REMP at sample, Site 14A,
821	Palo Verde Nuclear Generating Station	3/22/2011	12:55	Off Site	Air Particle Filter	1-131	0.275	pCi/meter3			Rain	3/15/2011 - 3/22/2011, NKL 2 miles.
822	Palo Verde Nuclear Generating Station	3/22/2011	13:05	Of Sate	Air Particle Filter	Cs-134	0.055	pCi/meter3			Rain	Routine weekly REMP air sample. Site 15, 3/15/2011 • 3/22/2011, NE 2 máes.
		-/						p que cons			<b>11.0</b> .0	Routine workly REMP air sample, Site 15, 3/15/2011
823	Palo Verde Nuclear Generating Station	3/22/2011	13:05	Off Site	Air Particle Filter	Cs-137	0.065	pCi/meter3			Rain	- 3/22/2011. NE 2 miles.
824	Palo Verde Nuclear Generating Station	3/22/2011	13:05	Off Site	Air Particle Filter	+131	0.238	pCi/meter3			Rain	Routine weekly REMP air sample, Site 15, 3/15/2011 - 3/22/2011, NE 2 miles.
	-											Routine weekly REMP as sample, Site 17A,
825	Palo Verde Nuclear Generating Station	3/27/7011	13:15	Off Site	Air Particle Filter	Cs-134	0.076	pCi/meter3			Rain	
826	Palo Verde Nuclear Generating Station	3/22/2011	13:15	Off Site	Air Particle Filter	(5-137	0.059	pCi/meter3			Rain	Routine weekly REMP alt sample, Site, 17A, 3/15/2011 - 3/27/2011, East 3 miles
	·											Routine weekly REMP air sample, Site 17A,
307	Palo Verde Nuclear Generating Station	3/22/2011	13:15	Off Site	Air Particle Filter	1-131	0.298	pCi/meter3			Rain	3/15/2011 - 3/22/2011, East 3 m les
828	Palo Verde Nuclear Generating Station	3/27/2011	11:40	Off Sne	A'r Particle Filter	(5-134	0.051	pCv/meter3			Rain	Routine weekly REMP air sample, Site 21, 3/15/2011 - 3/22/2011, South 3 miles,
												Routine weekly REMP or sample, 5 to 21, 3/15/2011
829	Palo Verde Nuclear Generating Station	3/22/2011	11:40	Off Site	Air Particle Hiter	(s-137	0.035	pCi/meter3			Rain	
830	Palo Verde Husselin Generating Station	3/22/2011	11:40	Off Sae	Air Particle Filter	1-131	0.333	oCi/meter3			Kain	Routine weekly REMP air sample, Site 21, 3/15/2012 - 3/72/2011, South 3 miles
												Routine weekly REMP ar sample, Site 21, 3/15/2011
831	Palo Verde Nuclear Generating Station	3/22/2011	11:40	OH See	A.r Particle Filter	Te-132	0 031	pCi/meter3			Rain	1.1
832	Pala Verile Nuclear Generating Station	3/27/7011	11:47	Off 5:14	Air Partic'e Filter	Cs-134	0.063	pCi/meter3			Raint	Routine werkly REMP og sample, Site 29, 3/15/2011 - 3/22/2011, Wost 1 mile.
												Routine weekiy KEMP bir šample, Site 29, 3/15/2011
833	Palo Verde Nuclear Generating Station	3/27/2011	11:47	Off Site	A'r Particle Filter	(5-137	0.087	pCi/meter3			Rain	- 3/22/2011, West 1 mile: Routine weekly REMP air sample, Site 29, 3/15/2011
834	Paio Verde Nucear Generating Station	3/77/7011	11:47	Off Site	Air Particle Filter	1-131	0.312	pCi/meter3			Rain	- 3/22/2011, West 1 mile.
												Routine weekly REMP air sample, Site 29, 3/15/2011
835	Palo Verde Nuclear Genérating Station	3/22/2011	11.47	Off Site	Air Particle Filter	Te-132	0.03	pCi/meter3			Rain	- 3/22/2011, West 1 mile. Routing weekly REMP air sample, Site 35, 3/15/2011
836	Pulo Verite Nus car Generating Station	3/22/2011	12:07	Off Site	Air Particle Filter	(5-134	0.064	pCVmeter3			Rain	• 3/22/2011, NNW \$ miles
	References and the second second	4 02/2014	13.07	04 C	Afono and installe	6. 137		e1				Routine weekly REMP at sample, Site 35, 3/15/2011
837	Palo Verdé Nuclear Generating Station	3/22/2011	12:07	Off Site	Air Particle Filter	Cs-137	0.069	oC/nuta/3			Rain	- 3/27/2011, NNW 8 miles. Routine weekly REMP air sample, Site 35, 3/15/2011
838	Palo Verde Nuclear Generating Station	3/22/2011	12:07	Off Sire	Air Part de Filter	1-131	0.367	pG/meter3			Rain	3/22/2011, NNW 8 miles.
839	Polo Verde Nuclear Generating Station	3/22/2011	12:07	Off Site	Air Particle Filter	Te-132	0.049	pCi/meter3			Da:a	Routine weekly REMP air sample, Site 35, 3/15/2011
669	LOO LEIDE HOUSE & CAREARING DRUDH	212212011	12.07	On Die	AU 12/12/01/01	10,125	0.045	heitentie: 2			Rain	- 3/22/2011, NNW 8 miles. Routine weekly REMP ar samp'a, Site 40, 3/15/2011
840	Palo Verda Nairlear Generating Station	3/22/2011	11:55	Off Sile	A+ Particle Filter	(s-134	0.064	p(Vmeter3			Rain	3/22/2011, North 2 mies.
841	Palo Vérde Nuclear Generating Station	3/22/2011	11,55	Off Site	Air Particle Foter	Čs-137	0.069	pC/meter3			Rain	Routine weekly RFMP an sample, Site 40, 3/15/2011 - 3/27/2011, North 2 miles.
•••	and a feine for the children Banton	5.1.1, 4444					0.005	Permeters			nati	Routice weekly RIMP air sample, Stor 40, 3/15/2011
842	Pala Verde Nuclear Generating Station	3/22/2011	11:55	Off Site	Ar Particle Filter	1-131	0 218	pG/meter3			R410	- 3/22/2011, North 2 miles
843	Palo Verde Nuclear Generating Station	3/22/2011	11:55	Off Site	Air Particle Filter	Te-132	0 036	pCi/meter3			Rain	Routine weekily RFMP air sample, Site 40, 3/15/2011 - 3/22/2011, North 2 miles.
	the contract of the states	3,22,2000	•• ••					provincials			Nati	Routine 7 day environmental samples, 3 onsite at
814	South Texas Project Electric Generating	1011	12.00		Air Charcoal		. 1101					site boundary & Soffsite. Date is sample STOP date
544	Station One and Two	3/22/2011	32.00		HII (318-CDB)	+131	< MDA		uCi/cc	1 031-14		No sample showed I-131
815	Columbia Generating Station	3/22/2011	12:00		A. Particle Filter	F131	4.198-13		μΟ/ος		Cear	Building efficient air sample collected 3/15 - 3/22/11
516	Columbia Generating Station	3/22/2011	9:30	On Site	Air Charcon	1-131	6./48-13		μCi/ce		Clear	24 hour air sample
847	Columbia Generating Station	3/22/2011	12-00	off Str	Air Charcoal	1-131	3.14E-01	pC/meter3			Ciear	REMP Station 9 approx 28 miles from site collected 3/15 - 3/22/11
				- 4								RI MP Station 9 approx 28 miles from site collected
848	Columbia Generating Station	3/22/2011	12:00	Off Site	Air Particle Futer	1-131	4.23E-02	pCi/meter3			Cear	3/15 - 3/22/11
849 850	Byten Station Peach Bottom Atomic Power Station	3/22/7011 3/22/2011	1305 9,48	On Sile On Sile	Ar Charcost Air Charcost	+131 +131	01 < mda	pCi/meter3 pCi/meter3			C'ear C'ear	
000	u cara facto in acteur lutani 309001	3,101011		y			- 11 <b>14</b>	poynt CD			U54	

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												Routine werkly REMP air sample, Site 4, 3/15/2011
851	Paio Verde Nuclear Generating Station	3/22/2011	14:30	Off Site	Air Charceal	F131	0 9244	pC/meter3			Rain	3/22/2011, East 16 miles.
												Routine weekly REMP air sample, Site 6A, 3/15/2011
852	Pa'o Verde Nuclear General ng Station	3/22/2011	14-00	Oll Site	Air Charceal	Hit	1.258	pCi/meter3			Rain	- 3/72/2011, SSE 13 m/es.
	Dala tiazda Nuelana Cumunian Camira	202000	13.35	All Cas	A o Chavanal		1 104					Routine weekly REMP all sample, Site 7A, 3/15/2011
853	Palo Verde Nuclear Generating Station	3/22/2011	13:35	Off Site	Ar Chircoal	1-131	1.184	pCi/meter3			Rain	- 3/27/1011, ESE 3 miles. Routine weekly REMP air somole, Site 14A
854	Palo Vercle Nuclear Generating Station	3/22/2011	12:55	Off Site	Air Charcoal	6]};	1.191	pCi/meter3			Rain	3/15/2011 - 3/22/2011, NNE 2 m let.
	<b>P</b> · · · · ·											Routine weekly REMP air samele, 5.te 15, 3/15/2011
855	Palo Vende Nuclear Generating Station	3/72/2011	13.05	Off Site	Air Charcoal	1-131	1.168	pCi∕meter3			Rain	- 3/22/2011, NE 2 miles
												Routine weekly REMS all sample, Site 17A,
856	Pain Verde Nuclear Generaling Station	3/22/2011	13:15	Off Site	Air Charcoal	1-131	1.244	pCi/meter3			Rain	3/15/2011 - 3/22/2011, East 3 miles
857	Paio Verde Nuclear Generating Station	3/72/2011	11:40	Off Site	Air Charcoal	1-131	1.165	pCi/meter3			Rain	Routine weekly REMP ar sample, Ste 21, 3/15/2011 - 3/72/2011, South 3 miles.
•••				•				pagnetts			14414	Routine weekly REMP air sample, Site 29, 3/15/2011
858	Palo Verde Nuclear Generating Station	3/22/2011	11:47	Off Site	Air Charcoel	F131	1135	pCi/meter3			Rain	- 3/22/2011, West 1 mile.
												Routine weekly REMP air sample, Site 35, 3/15/2011
859	Palo Vorde Nuclear Generating Station	3/22/2011	12 07	Off Site	Air Charcoal	1-131	1 003	pCi/meter.3			Rain	- 3/27/2011, NNW 8 m2es.
860	Palo Veide Nuclear Generating Station	3/72/2011	1155	Off Size	A. Charcoal	1-131	0.953	pCijmeter3			Rain	Routine weekly REMP at sample, Site 40, 3/15/2011 - 3/22/2011, North 2 miles.
861	V. C. Summer Nuclear Station	3/22/2011	15:30	Off Site	Air Charcoal	1-131	0.0513	pCi/meter3			Cear	30 hr grab 2.6 miles SSE of plant
861	Catasba Nuclear Station	3/22/2013	9:58	En Ste	Air Particle Filter	111	<451£03	pCi/meter3		< 4.51E 03		•
04.	South Trixas Project Electric Generating	41+414014	5.00	UN J IV	PETERSCON,	,	(4.516.45	populaters		44.31E US	Cirar	Sile Boundary
863	Station One and Two	3/22/2011	8:41	On Site	Air Charcoal	1-131	< MDA		μC/cc	2.352-14	Clear	24 h sample; date/Line Ested is sample start time
	South Texas Project Electric Generating											,,
864	Station One and Iwo	3/22/2011	8.41	On Site	Air Particle 1: ter	1431	< MDA		µCi/cc	1.261-14	Clear	24 n sample; date/Line Lsted is sample start time
865	Catawba Nuclear Station	3/22/2011	10:42	Off Site	Air Particle Filter	1-131	< 6 41E-03	pCi/meter3		6.418-03	Clear	3.32 miles E of plant
856	Catawba Nuclear Station	3/22/2011	10:15	On Site	Air Particle Filter	1-121	5 395 03	pC/meter3		4.76E-03	Clear	Site Boundary
867	Catawba Nuclear Station	3/72/2011	8 52	Off 5 te	Air Particle Filter	1-131	< 6.5./E-03	pCi/meter3		6.57L-03	Clear	9.84 miles W of plant
865	Catawoo Nuclear Station	3/22/2011	9:20	On Site	Air Particle Filter	1431	4.89E-03	pCi/meter3		5.338-03	Clear	Site Boundary
869	Catawba Nuclear Station	3/22/2011	9:20	On Site	Air Charcoai	1-13)	2 365-02	pCi/meter3		6.72E-03	Clear	Site Boundary
870	Catalona Nutlear Station	3/22/2011	9 53	On Site	Air Charcoal	6131	1.205-02	pCi/meter3		5.93[-03	Ciear	Sin Boundary
871	Catowba Nuclear Station	3/72/2011	10:42	Off Size	As Charcoal	1-131	1.771-02	pCi/meter3		6 80L-03	Clear	3.32 miles E of plant
372	Catywha Nuclear Station	3/12/2011	8:52	Off Size	Air Charcost	1131	2.78E-02	oCl/meter3		6,001-03	Gear	9 84 miles W of plant
873	Catation Nuclear Station	3/22/2011	9:33	Qn 5';2	Air Particle Filter	1-131	6.075-01	pCi/meter3		5.46E-03	Clear	Site Roundary
874	Cataix ba Nuclear Station	3/22/2011	9:33	On Site	A'r Charcoal	1-131	1.746-02	pCi/meter3		6.126-03	Clear	Site Boundary
\$75	Cataviba Nuclear Station	3/22/2011	10-15	Qa Site	A'r Charcoal	F131	2.74E-02	pCi/meter3		1 016-02	Clear	Site Boundary
876	Paid Verde Nuclear Generating Station	3/77/2011	13.20	On Siz	Air Charces	1131	2.01E-12		pCifer		Rain	PVNGS Samole # 2-11 0472, 26 bour sample
877	Paio Verde Nuclear Generating Station	3/22/2013	13:20	0.15 %	Air Particle Piter	(s-134	< mda		µG/cc	2.761-13	Rain	PVHGS Sample # 2-11 0421, 26-hour sample
878	Paio Verde Nuclear Generating Station	3/77/2011	13-20	On Ste	Air Particle Filter	6.117	< mda		aCi/cz	2.93E-13	Rain	PVNGS Sample # 2-11 (M21, 26-hour sample
879	Comanche Peak Nuclear Power Plant	3/22/2011	5.00	Off Size	A'r Charcoal	1-131	< mda					·
880	Watts Bar thiclear Plant	3/22/2011	10.40	On Site	Air Charcoal	1 131	0 01	oC/meter3		0.03		
881	Praine Island Nuclear Generating Plant	3/22/2011	12:00	Off Site	Air Chaiceal	1-131	0.042	oC/muter3			Clear	Locat on P-1 11.8 mi NNW of P:
832	Prairie Island Nuclear Generating Plant	3/22/2011	9.40	On Sta	Air Charcosl	1-131	0 028	pü/meter3			Cear	Location P-2 0.5 m: WKW of PL
883	Praise Island Nuclear Generating Plant	3/22/2011	9:50	0n 5 te	Air Charcoal	1-131	0.027	oC/meter3		•	Gear	Location P-3 0.8 mi NW of PI
834	Praise Island Nuclear Generating Plant	3/22/2011	9:55	On Ste	Air Charcoal	1111	0.031	pC/meter3			Ciea:	Location P-4 0.4 m/ N of Pl
835	Praise Island Nuclear Generating Plant	3/22/2011	9.17	Off 5.te	A'r Charcoal	1-131	0.03	óC/meter3			Clear	Location P-6 1.6 mi SE of Pt
												0.4 miles South of Site Center, Rain Accumulation
886	Calvert CLifs Nuclear Power Flant	3/72/2011	12:00	On Site	Air Partic'e Filter	1814	0.036	pCi/meter3			Rain	a second and a second and a second as the
603	Culture CER III alare Barrow Disea	5010011	12-00	Off Site	A'r Charcoal	1-131	0.037	ofilmotor3				1.6 Miles South East of Center, Roin Accumulation
887	Csiveri Cills Nuclear Powe: Plant	3/22/2011	12:00	OH 246	AT CHARGE	1-131	11037	pű/meter3			Rain	During Sample Cycle 3/14 - 3/22 1.8 miles SSM from center, Rain Accumulation
888	Calvert Giffs Ruclear Power Plant	3/22/2011	12:00	Off Sec	Air Charcoal	1-131	0.019	pCl/meter3			Rain	
	A.1.2.1.2.1.2.1.2.1.0.1.2.1.1.1.2.1.1.1.1		44.44		· · · · · · ·							12 miles Will of Center, Rain Accumulation During
889	Colvert Cliffs Nuclear Power Plant	3/22/2011	12:00	Off Site	Air Charcoal	1-131	0.024	pCi/meter3			Rain	Samp'e Cycle 3/14 - 3/2?
												07 miles NNE of Center, Rain Accumualtion During
290	Calvers Célls Nuclear Power Prant	3/77/2011	1200	On Ste	Air Charcosi	1433	0 02	pCi/meter3			Rain	Sample Cycle 3/14 - 3/22
دسر	a to cattle as the second		12.00	A. Cas	A'r Charcoal	1.13.	6.012	al			<u>.</u>	0.1 miles NNW of center, Rain Acoumulation During
891	Calvert Cliffs Nuclear Power Plant	.3/27/2011	17:00	On Site	HE CHARDER	1-131	0 012	pCi/meter3			Rain	Sample Cycle 3/14 - 3/22 O 1 miles SSE of center, Rain Accumusition During
\$92	Calvett Cliffs Nuclear Power Plant	3/22/2011	12:00	On Ste	Air Charcoai	1-131	0.03	pCi/meter3			Rain	Somple Cycle 3/14 - 3/22
												,

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893	R. E. Ginna Nuclear Power Plant	3/22/2011	12:00	Off Site	Air Charcoal	1-131	0.012	pCi/meter3			Rain	Some rain/ snow during sample cycle 3/14 - 3/22
894	R. E. G.nna Nuclear Power Plant	2/12/2014	13.00	On Sta	AirCharman	1 1 2 1	0.010					A
074	n, n, e, e, e mucha roagi y alt	3/27/2011	12:00	013,*	Air Charcoal	i-131	0.013	pCI/meter3			Rain	Some rainly show during sample cycle 3/14 - 3/22
895	A. E. Ginza Nuclear Power Plant	3/22/2011	12.00	On Ste	Air Charcoul	1-131	0.016	pCi/mcter3			Rain	Some rain/ snow during sample cycle 3/14 - 3/22
896	R. E. G. nna Huclear Power Plant	3/22/2011	16:00	Off Site	Rain Water	-131	26.8	pť/i			Rain	
897	R. E. Grana Nuclear Power Plant	3/22/2011	16:00	Office	Rain Water	4-131	71.1	pCı/L			Rain	9.75 miles SW
893	Note Mile Foint Nuclear Station	3/22/2011	9:35	On Sce	Other	H131	4 79	pCiA			C'ea:	Transformer Basin
899	Nine Hile Point Nuclear Station	3/22/2011	\$:10	On Ste	Other	1-131	9.55	oC/L			Cigar	Transformer Basin
900	Nine Mile Form Nuclear Station	3/22/2011	9:20	On Ste	Other	1-131	4.55	pC·A			Clear	Transformer Basin
901	Noe Mile Point Nuclear Station	3/22/2011	9:00	On Ste	Other	1-131	14.8	pC/L			Clear	Transformer Bay n
902	Nor M. e Foint Nuclear Station	3/21/2011	10:05	On Site	Other	1-131	18.1	рС Л.			Cipar	Storm Drain Water Sample
903	Nor Mile Foint Nuclear Station	3/21/2011	9:55	On Ste	Other	1-131	10.3	pC;/t			Clear	Storm Drain Sample
904	Nine Mile Point Nuclear Station	3/21/2011	14:44	OH 715	Rain Wates	+131	9 74	pC/L			Citar	rain water puddle sample
905	None Mille Point Nuclear Station	3/21/2011	15:35	On Šte	Ground Water	1-131	9.68	pC/L			Clear	Storm Drain Sample
906	Sequenal Nuclear Plant	3/25/2011	14.16	Olt Size	Air Charcoal	44 <u>3</u> 1	0.01	oC/meter3		0.03		
907	Sequeyah Nuclear Plant	3/21/2011	12:05	Off Ste	Air Charcoal	1-131	0.01	pCr/meter3		0.03		
908	Watts Bat Nuclear Flant	3/71/2011	12:27	Off Site	Air Charcoal	1-131	0.01	pCi/meter3		0.03		
909	Wattis Bar Nuclear Plant	3/21/2011	11:22	OffSite	Air Charcoal	1-131	0.01	pCi/meter3		0.03		
910	Watts Bar Nuclear Plant	3/21/2011	10:43	On Ste	Air Charcoal	1431	0.01	pC/meter3		0.03		
911	Palo Verde Nuclear Generating Station	3/21/2011	11-41	On Ste	A'r Charcoal	F131	6.70E-13		uCi/cc		Rain	PVNGS Sample # 2-11-0412, 24 hour sample
- 912	Palo Verde Nuclea-Generating Station	3/21/2011	11:41	On Site	Air Particle Liter	Cs-134	< nda		µCi/cc	2.066-13	Rain	FVNGS Sample # 2-11-0411, 24-hour sample
913	Pain Verde Nuclear Generating Station	3/21/2011	11:41	On Site	Air Farticle Filter	Cs-137	< ಗಾನಂ		uCi/cc	2.718-13	Rain	FVNGS Sample # 2-11-0411, 24-hour sample
914	Exattle Canvon Power Plant	3/21/2011	10 00	Off Site	Rain Water	1-131	217.3	pC:/L		2.68	Rain	Station 552, Onsite, ENE at 0.6 miles from DEPP
							A					Station SF3, San Luis Obisso, FNE at 10.2 miles from
915	Diablo Canyon Power Plant	3/71/2011	8:00	Off Ste	Rain Water	+131	277.1	pCi/L		3.08	Rain	DCPP
916	Oconee Nuclear Station	3/21/2011	8:40	QH Str	A'r Chartoal	H131	1 286 07	pC/meter3		6.40E-03	Clear	9 33 miles SE of plant
917	Oconee Nuclear Station	3/21/2011	11:15	OnStr	A: Charcoal	1-131	1.41E-07	pCr/meter3		5 27E-03	Clear	0.56 miles NE of plant
918	Occope Hucles: Station	3/21/2011	9:40	OffSte	Ar Charcoal	1-131	1.81E-02	oC/meter3		6.346-03	Clear	7.53 miles hill of plane
919	McGuire Nuclear Station	3/21/2011	7:29	Off Ske	Air Particle Filter	1-131	1.12E-02	pCi/meter3		6.92E-03	Clear	9.89 miles WNW of plant
970	McGuire Nuclear Station	3/21/2011	80/	Off Sie	Air Particle Filter	1131	1.19E-02	pCi/meter3		5171-03	Cien	4.20 miles Né of prant
971	McSuire Nuclear Station	1/21/2011	9:50	On Site	Air Particle Filter	1-131	8-231-03	pC/meter3		4 821-03	Cita:	Site Boundary
922	McGuire Muclear Station	3/21/2011	3.42	On See	Air Particle Filter	1-13)	1.39E-02	pC/meter3		7.285-03	Clear	Site Boundary
923	Mobul to Nuclear Station	3/21/2011	2.19	0.n Ske	Air Particle Filter	1-131	< 1.71E-02	pCi/meter3		1.715-02	Cical	Site Boundary
924	McGrare Nuclear Station	3/21/2011	3-26	Olf Ste	Au Particle Filter	1-131	1 036-02	pC/meter3		5.305-03	Clear	5.23 miles ENF of plant
925	McGuire Nur'ear Station	3/21/2011	9.49	On Ste	Air Particle Filter	1-131	1.091-02	pCi/meter3		6.061-01	Clear	Site Boundary
926	McGuire Nuclear Station	2/21/2011	9:49	On Ste	Ast Particle Filter	(5-11)	3.66E-03	pCi/meter3		\$ 252 (13	Clear	Site Boundary
927	McGuire Nuclear Station	3/21/2011	7:29	OH Sar.	Ai- Charcoal	+131	1.36107	pC/meter1		6471-03	Ciear	9 89 miles WI/W of plant
928	McGuire Nuclear Station	<u>M21/2011</u>	8:07	OffSte	Air Charcosi	1-131	2.136-92	pC/meter3		6 5EE-03	Clear	4.20 miles he of plant
929	McGuite Nuclear Station	3/21/2011	9.50	On Ste	Air Charcoat	(431	2 87E-02	pC/meter3		7.67E-03	Cléar	Site Boundary
930	Mobilite Nuclear Station	3/21/2011	9/12	On Ste	Air Charcoai	1-131	).83F;-D2	p[/mater3		8,751 03	Ciror	Site Boundary
931	Notice Review Station	3/21/7011	919	On Ste	Air Charceal	1-131	1.876-02	pC/moter3		/ 051-03	. Ciear	•
932	Moduire Nuclear Station	3/21/2011	8:26	Off Sce	A'r Charcoai	1431	2.816-02	pCi/meter3		5 476-03	Clear	6 23 miles ENE of plant
933	McGuire Nuclear Station	3/21/2011	9:49	On Site	Air Charcoal	1-131	2.21[-02	pC/meter3		9.712-03	Clear	Site Boundary
934	Dianto Canyon Power Plant	3/1/2011	11.00	On Site	Ran Water	1-131	233.9	pCA		3	Rain	Station 151, Onsite, NNW at 0.4 miles from OCPP
935	Groney Nutlear Station	3/21/2011	10:55	Off Site	A'r Partide Fiker	1-131	8.03E-03	pCr/meter3		1,216-02		
111	140:27 No. 70 Jis. 00	7141011	10.23	011,042	KAT BUDGE (MARY	. 131	0.001.00	poynerery		3.410-20	Clear	2.36 miles NNW of plant
936	Diablo Canyon Power Plant	3/21/2011	11:00	Daste	Rain Water	1-132	19.17	pC/L		4.03	Rain	Station 151, Onsite, NNW at 0.4 miles from DCPP
											:	
937	Diadio Canyon Power Plant	3/21/2011	10:00	Off Site	Rala Water	1-132	22.73	ρGΛ		346	Rain	Station 552, Onsite, ENE at 0.6 miles from DCPP
<b>610</b>	It side Consum Day on Allow	1/11/2011	6.00	001.0	Do's Water	4137	10.20	of : 1		7.4	A	Station SF), San Luis Obispo, EHE at 10.2 miles from
935	Lubio Canyon Power Plant	3/21/2011	<b>\$:00</b>	011 S :e	Ra'n Water	PLN	20.38	pCi/L		3.4	Rain	DCPP
935	Diàbio Carryon Power Plant	3/21/2011	11:00	0n 512	Rain Water	Te-132	24.02	oCA		4.53	Rain	Station 151, Onvite, NNW at 0.4 miles from DCFP
			-			-						and a second second second second second second second second second second second second second second second
940	Dable Canyon Power Plant	3/21/2011	11:00	Qn S:#	Rain Water	(\$-134	10.7	pCiA		2.37	Rain	Station 151, Onsite, NNW at 0.4 miles from DCPP

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941	Diablo Canyon Power Plant	3/21/2011	11:00	On Site	Rain Water	(5-137	8.75	pCiA		1.99	Rain	Station 151. Onlite, NNW at 0.4 miles from DCPP
942	Diablo Canyon Power Plant	3/21/2011	11:00	On Size	lan Water	Other	< MDA	eC:D		0.343	<b>5</b> • •	Tetal Strontium, Station 151, Onsite, NNW at 0.4
	Page Child, if out that	3/21/2011	11.00	011 346	1011110101	oner	< MUA	ρርίΛ		0.343	សៃព	m"as from DCPP
943	Diablo Canyon Power Plant	3/21/2011	11:00	On Site	Rain Water	H-3	< MDA	pCiA		233	Rain	Station 151, Onsite, NNW at 0.4 miles from DCPP
944	Diable Canyon Power Plant	3/21/2011	11:00	On Site	Rain Water	Other	42.2	pCi/L		3.51	Paur	Gross Beta, Stution 151, Onsite, NNW at 0.4 miles
		5/11/1011	11.00	on site	Non Proven	Viller	-2.2	yci/c		3.31	Rain	from DCPP Gross Alpha, Station 151, Onsite, NNW at 0.4 miles
945	Diablo Canyon Power Plant	3/21/2011	11:00	On Site	Rain Water	Other	< MDA	рCiЛ		0 937	Rain	from DCPP
946	Drasia Canyon Power Plant	3/21/2011	10:00	On Site	Rain Water	Te-132	28.25	pCrA		4.13	Rain	Station SS2, Onsite, ERE at 0.6 miles from DCPP
								p. n		- 10	140411	Standar SSE, Grave, Ene of Gravity should bere
947	Diablo Canyon Power Plant	3/21/2011	10:00	On Site	Ruin Water	Cs-134	10.02	pCi/L		2.21	Rain	Station SS2, Onsite, ENE at 0.6 miles from DCPP
943	Oconse Nuclear Station	3/21/2011	10:15	Off Site	Air Particle Filter	1-131	7.621-03	pC/meter3		3.96£ 03	Clear	1 00 m le SW of plant
949	Disbio Canyon Power Plant	3/21/2011	10.00	On Site	Rain Water	Cs-137	10.18	pCi/L		1,88	Rain	Station SS2, Onsite, EVIC at 0.6 miles from DCPP
					- 1							Total Stronelum, Station 552, Onnite, ENE at 0.6
950	Diablo Canyon Power Plans	3/21/2011	10:00	On See	Fain Water	Other	< MDA	pCift		0.429	Rain	miles from DCVP
951	Oconee Nuclear Station	3/21/2011	10.40	Off Site	Ar Particle Filter	1-131	8 471-03	pC/meter3		4.051-03	Clear	0.53 miles WSW of plant
952	Ditatio Canyon Power Plant	3/21/2011	10.00	On Site	Rain Water	H-3	< MDA	prit		236	Rain	Station 552, Onsite, ENE at 0.6 m <sup>2</sup> es from DCPP
073	Disk's Comercia Barris Bland	1010011	10.00	A. 4.	<b>5</b> C hu .							Gross Beta, Station 552, Onsite, ENE at 0.6 miles
953	Diablo Canyon Power Plant	3/21/2011	10:00	On Site	Rain Water	Other	63.8	ρCi/L		3 21	Rain	from DCPP Gross Alaha, Station SSP, Onsite, ENE at 0.6 miles
954	Drablo Canyon Power Prant	3/21/2011	10.00	On Site	Rain Water	Other	1 62	oliji		0.969	Rain	from DCPP
	n 11 é n. m										•	Station SF1, San Luis Obispo, ENE at 10.2 miles from
955 956	Diablo Canyon Power Plant Oconce Nuclear Station	3/21/2011	\$:00	Off Site	Rain Water	Te-132	24.92	p€/t		4 24	Rain	DCPP
900	DUCHES MOTION 201400	3/21/2011	11-15	On Site	Air Particie Filter	1-131	7.24E-03	pCi/oveter3		2.95E-03	Clear	0.56 miles NE of plant Station SF1, San Luis Obispo, ENE at 10.2 miles from
957	<b>Diablo Canyon Power Flant</b>	3/71/2011	8:00	Off Site	Rain Water	(s-134	4.31	¢G/L		2.48	. Rain	DCPP
		101 (PAL)		0// 5	•	e. 144						Station SF1, San Luis Obispo, ENE at 10.2 miles from
958	Dian's Canyon Power Plant	3/21/2011	600	Cff Site	Ran Water	Cs-137	1 69	pCı/L		2.32	Rain	DCPP Total Stront um, Station 5F1, San Luis Obiopo, ENE al
959	Diablo Canyon Power Plant	3/21/2011	8:20	Off Site	Ran Water	Other	< MDA	pC/L		0,417	Rain	10.2 rules from DCPP
960	Otonce Nuclear Station	3/21/2011	840	Off Site	Air Particle Filter	1433	< 6 36E-03	pCi/meter3		6.35F-03	Clear	9.33 miles SE of plant
961	Diablo Canyon Power Plant	3/21/2011	3.00	OFF Site	Rain Wate:	H-3	< MDA	-61		333		Station SF1, San Luis Ob spo, ENE at 10.2 miles from
962	Osonee Nucleur Station	3/21/2011	3.00 9:40	Off Site	Air Partide Faiter	(43)	1.09E.02	pCi/Neter3		232 5.401-03	Rain Clear	DCPP 2.58 miles NNE of piant
102				0.000		1.11	102.02	pequeiers		8-44L-63	CRai	Gross Bata, Station SF1, San Luis Obispo, ENE at 10.2
963	Diablo Canyon Priver Plant	3/21/2011	8:00	Off Site	Ran Water	Other	103	pCi/L		3.73	Rain	miles from DCPP
964	Diablo Catyon Power Flant	3/21/2011	8:00	OH Ste	Ra n Water	Other	< MDA	эC./l		124	Rain	Gross Alaha, Station 571, San Luis Oblitpo, ENE ar 10.2 miles from DCPP
965	Ocoree Nuclear Station	3/71/2011	10.55	Off Ste	Air Charcoa	1-131	2.091-02	pCi/meter3		9.076-03	Clear	2.36 miles rand bere
966	Oppnee Nuclear Station	3/21/2011	10 15	Off Site	Ai: Charchal	1-131	1.156-02	pC/meter3		8.555-03	Ciear	1 00 mile SW of plant
967	Ocoree Nuclear Station	3/21/2011	10.40	Off Site	Air Charcoal	1-131	2.24E-02	pC/meter3		5.81E-03	Clear	0.53 miles V/SW of plant
	South Texas Project Decisic Generating	-,			-			p=1			Cital	
968	Sistion One and Iwo	3/21/2011	841	On Site	Ar Pariele Filter	1-131	< MDA		μζι/α	1.16E-14	Clear	24 h sample; date/time_istod is sample start time
969	South Texas Project Electric Generating Station One and Two	3/21/2011	84]	On Site	Air Charcoal	1-131	< MDA		µC7/cc	1.99E-14	Clear	74 h sample; date/time inted is sample start time
			- /						, mitte	1.572 [4	64	Station SF2, SLO Cal Puty Farm, FNE at 12.6 miles
970	<ul> <li>Diaten Canyon Powar Plant</li> </ul>	3/21/2011	9 OS	Off Site	M.4	+131	6 79	pCi/L		3 29	Rain	from DCPP, result by gamma spec
												Station SF7, SLO Cal Poly Farm, LNE at 12.6 miles
971	Olablo Canyon Power Plant	3/21/2011	9:05	Off 5::2	Mak	F131	4 01	pCi/L		0.452	Rain	from DCPP, result by lotine separation method
9/2	M. None Muclear Paner Station	1/21/2011	5:07	On Site	Air Charcoal		< mda					
973	M. Mone Nuclear Power Station	3/21/2011	13:15	On Sia	Rain Water	1-131	2 56[-08		µC//ml	.1.13E-08	Rain	
974	Wolf Creek Generating Station	3/21/2011	9:00	Off 5:a	Air Chartoat		< MDA	oC:/meter3				Weekly FEMP samples all 6 stations
				-//-					- 4			API-1 REMP sampler 1.4 miles NE of plant: weekly
975	Hermi ?	3/21/2011	10:00	Off Site	Air Charcoal	H31	3 176-14		u0/ce	2 302 14	Clear	changeout API-2 Rf MP sampler 0.6 m/ks' NNW of plant; weekly
976	Fermo 2	3/21/2011	70.0 <b>0</b>	Off Site	Air Charcoal	(413)	< MDA		aCi/ce	~2E-14	Clear	coangeout
			10.00	64.0	A1. M							API-3 REMP sampler 0.6 miles NW of plant: weekly
977	ferm 2	3/21/2011	10:00	Off Size	A'r Chartool	1-131	4.228-14		υCi/cc	1.705-14	Clear	changeout

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												API-4 REMP sampler 14.0 miles W of plant: weekly
978	Fermi 2	3/21/2011	10:00	Off Site	Air Charcoai	1-131	3.99[-14		µĈi/rc	1.10E-14	Cicar	changeout
											-	API-S REMP sampler 1.2 miles 5 of plant: weekly
979	Fermi 2	3/21/2011	10:00	Off Site	Air Charcoal	1431	< MDA		µC/cc	~2E-14	Clear	changeout
980	North Anna Power Station	3/21/2011	19:30	Off Ste	Rain Water	1-131	4536-6		µCı∕ml		Rain	5.5 miles WSW of plant
931	NextEra Energy Seabrook	3/20/2011	20:20	On Site	Air Charcoai	1-131	2.66E-05	pCi/l			Ciear	RCA Admin Bldg vent (unexpected)
982	NextEra Energy Scabrook	3/20/2011	21:24	On Site	Air Charcoal Rain Water	1-131	1.455-05	pCi/L	witer	8 005 00	Cigar	RCA Fume hood vents (unexpected)
983 984	Kewaunee Power Station Kewaunee Power Station	3/20/2011	12:00 12:00	On Site On Site	Rain Water	1-131 1-131	3.41E-08 3.43E-08		µCi/mi	8 OOE-09	Rain Rain	
	Kewaunee Power Station	3/20/2011 3/20/2011	12:00	On Size	Rain Water	1-131	3.42E-03		µCı/ml µCı/ml		Rain	
985 936	Kewaunee Power Station	3/20/2011	12:00	On Site	Rain Water	+131	3.752-08		µCi/ml		Rain	
550	Kengalse Forrer station	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	12.00	Cit dire	1000 17012:	111	2.730.00		hedan		(lah)	Weather in transition from dear to mostly cloudy,
987	Paio Verde Nuclear Generating Station	3/20/2011	12:01	On Site	Air Charceal	1-131	2.50E-12		µCı/cc		Other	PVNGS Sample # 2-11-0405
												Weather in transition from clear to mostly cloudy
988	Palo Vertie Nuclear Generating Station	3/20/2011	17:01	On Site	Air Particle Ficter	Cs-134	3.87E-13		µCi/cc		Other	PVNGS Sample: # 2-11 0404
	all the second stress sector	100.001		A. t	the Daminto Cines	6. sin				F 105 17	<b>A</b> .L	Weather in transition from clear to mostly cloudy,
933	Palo Verde Nuclear Generating Station	3/20/2011	12.01	On Site	Air Particle Filter	Cs-137	< mda		uC/cc	5.19€-13	Other	PVNGS Samp'e # 2-11-0404
9 <u>9</u> 0	Paio Verde Nuclear Generating Station	3/19/2011	14.40	On Sta	Air Charcoal Na Charcoal	(-131 Ce 133	1546-12		pt/cc		Gear	PVNGS Samp'e # 2-11-0400, 25-hour sample
991 001	Pale Verde Nuclear Generating Station	3/19/2011	14:40	On Ste	Air Particle Filter	(s-134 (c-137	< mda		µ€i/cc u€i/cc	2.225-13	Clear	PVNGS Sample # 2-11-0401, 25 hour sample
<del>9</del> 92	Palo Vetde Nuclear Generating Station	3/19/2011	14:40	0n 5.:t	Air Partic e Filter	Cs 137	< mda		uCilee	3.58[-13	Clear	PVNGS Sample A 2:11-0401, 25-hour sample Station 052, Site Boundary, NW at 0.5 miles from
993	Diablo Cariyon Power Plant	3/19/2011	9:00	<b>Off Site</b>	Rain Water	1-132	8.52	p€i/L		3.65	Rain	DCPP
												Station 052, Site Boundary, NW at 0.5 miles from
994	Diablo Canyon Power Plant	3/19/2011	9.00	Off Site	Rain Water	Te-132	11.82	ρCiΛ		4.14	Rain	DCPP
				<b>AH A H</b>	6-'- U		A. 1					Station 052, Site Boundary, NW at 0.5 miles from
<del>9</del> 95	D aiso Canyon Power Plant	3/19/2011	9:00	Off Site	Rain Water	1-131	96.1	· pCiA		2.77	Rain	DCPP Gross Beta, Station OS2, Site Boundary, NW at 0.5
996	D'ablo Canyon Power Plant	3/19/2011	9:00	Off Site	Rain Water	Other	60.5	pC/L		3.17	Rain	miles from DCPP
												Gross Alpha, Station 057, Sile Boundary, NW at 0.5
997	Diablo Canyon Power Plant	3/19/2011	3:00	Off Site	Rain Water	Other	3.29	pC/L		1.77	Rain	miles from DCPP
												Total Strentium, Station 052, Site Boundary, NW at
993	Diablo Canyon Power Plant	3/19/2011	9:00	Off Site	Rain Water	Other	< MDA	¢€i∕L		0,789	Rain	0.5 miles from DCPP
<del>99</del> 9	Diablo Canyon Power Plant	3/19/2011	9:00	Off Site	Rain Water	H-3	< MDA	¢G∕L		223	Rain	Station DS2, Site Boundary, NW at 0.5 miles from DCPP
10	Chestor a structure right	3/13/2011	3. <b>Q</b> Q	Off alls	tions trates	,,,,	1000	pene		115	1.981	Station OS2, Site Boundary, NW at 0.5 miles from
1000	Diaolo Canvon Power Plant	3/19/2011	9:00	Off Site	Rain Water	(5-134	2 69	pCi/L		2 69	Rain	DCPP
												Station 052, Ste Boundary, NW at 0.5 miles from
1001	Diablo Canvon Power Plant	3/19/2011	9:00	Off Site	Rain Water	CS-137	2,42	pCi/L		196	Rain	DCPP
1002	Noch Agea Power Station	3/19/2011	14:45	On Site	Ar Charcoal	1-131	< MDA		µCi/cc	5 04 E-14		0 6 miles SF of the plant
1003	Norn Anna Power Station	3/19/2011	14:45	OnSte	A'r Charcoai	1-131	< MDA		μŨ/et	7.451-14		0.3 miles NW of the plant
1004	Dresden Station	3/18/2011	8:00	On Site	Air Charcoal	1-131	< mda	oCr/meter3			Clear	
1005	Quad Cities Station	3/18/2011	13:40	On Site	Air Particle Filter	+131	< mda	pC./meter3			Clear	
1006	Qual Criter Station	3/18/2011	<u>8:00</u>	On Site	Air Charcoal	1-131	0.066	pC/meter3			Ciea:	Station 7D1, front gate to DCPP in Avila Beach, ESE
1007	Diablo Canyon Power Plant	3/18/2011	17.00	OH Site	Air Charcoal	1-131	0.48	pCi/meter3		0.00629	Clear	at 6.6 miles from DCP?
												Station 7D1, from gate to DCPP in Avila Beach, ESE
1003	Diable Canyon Power Plant	3/18/2011	17:00	Off Site	Air Parúcia Filter	F132	0.03	pCi/meter3		0.00625	Clear	
								-4 -			-	Station 7D1, front gate to DCPP in Aula Beach, ESE
1009	Diano Canyon Power Plant	3/13/2011	17:00	0/15/14	Air Particle Filler	Te-132	0.03	pCymoter3		010524	Clear	at 6.6 miles from DCPP Station 703, from only to DCDD in A. In Press (CC
1010	Diatric Canyon Power Plant	3/18/2011	17.00	Off 5th	Air Paroicie Filter	6-134	< MDA	pC/meter3		0 006	Clear	Station 701, front gate to DCPP in Avia Beach, ESE at 6.6 miles from OCPP
1010	olatio çargo (rowel riali)		17.00	01.77	PP / GODE THET	0.00		bedied with			0.68	Station 701, front gate to DCPP in Avila Beach, ESE
1011	Disizio Canyon Power Plaint	3/18/7011	17:00	Oll Site	Ale Particio Falter	Cs-137	0.00431	pCi/meter3		0.00423	Clear	at 6.6 miles from DCPP
	·											Gross Beta, Station 701, from gate to DCPP in Avila
1012	Diablo Canyon Power Plant	3/18/2011	17:00	Off Site	Air Partice Elter	Other	0 333	pCi/meter3		0.00184	Gea:	Beach, ESL at 6.6 miles from DCPP
1013	Palo Verde Nuclear Generating Station	3/18/2011	13:16	On Site	Air Charconi	1131	< mda		uC/tt	1.57E-13	Clear	
1011	Palo Verde täidear Generaling Station	3/18/2011	13:16	On Site	Au Particle Filter	(5-134	< mda		pCift:	2.92(-13	Gea-	
1015	Palo Verde Nuclear Generating Station	3/18/2011	13:16	On Site	Air Particle Filter	CS-137	< mda		pCytoc	2.206-13	Clear	
1016	Quad Crites Station	3/18/2011	13:40	On Site	Ar Charcoal	1-131	< mda	pC:/meter3				Control location (Q-42)
1017	Palo Verde Mudear Generating Station	3/17/2011	13:21	On Site	Air Charcoal	1-131	< mda		µC∤uc	1.537-13	Clear	
1018	Pab Verde Nucleur Generating Station	3/17/2011	13:21	On Site	Air Pariscin Féler	Cs-134	< mdā 1. mda		yCýto	2.246-13	Clear	
1019	Paio Verde Nuclear Generating Station	3/17/2011	13:21	On Site	Air Particle Filter	(¥137	< mda		μC/α	3.128-13	Ciear	

المحمد المحمد معروفة المحمد المحمد المحمد ومن عن المحمد المحمد ومن عن المحمد المحمد المحمد المحمد المحمد المحم المحمد المحمد المحمد المحمد المحمد ومحمد ومحمد ومحمد ومحمد ومحمد المحمد ومحمد المحمد المحمد المحمد المحمد المحم :

1020	LaSafe County Generating Station	3/17/20:1	8:50	On Site	Air Charcoal	1 1 2 1	c anda	-0 (				
1021	Braidwood Station					131	< mda	pC:/meter3			Clear	
1021	Braidwood Station	3/17/2011	15:40	On Size	Air Charcoal	1-131	< mG.:	pCi/meter3			Clear	
1022	Graic-7000 Station	3/17/2011	15:40	On Sta	Air Charcoal	1-131	< mil:	pCl/meter3			Clear	Ducilizate sample Weekly onsite air sample from Unit 2 Vent Stack
1023	Donald C. Cook Nuclear Plant	3/17/2011	0.30	On Site	Air Charcost	1-131	< MDA		µCi/cc	- 1.29[-14		(main)
1024	Peach Bottom Atomic Power Station	3/17/2011	11:40	08 5%	Milk	1-131	< mda	pCi/meter3	perte	1.171-14	Clear	Darry
1025	Three Mile Island Nuclear Station	3/16/2011	9:30	Off Site	Milt	1-131	< mda	pCymeter3			Clear	Control Dairy
1026	Inree Alife Island Nuclear Station	3/16/2011	12:50	On Sire	Air Charcoal	1-131	< mda	pCi/L			Clear	Control Dali
								P.41			C.ea.	Station SF1, San Luis Obisoo, ENE at 10.2 miles from
1027	Dizolo Canyon Power Plant	3/16/2011	7:10	Olf Site	Air Charcoai	1-131	< MDA	pCi/meter3		1.218-02	Clear	DCPP, 7 day run (ou'led on sumple date) Station 7D1, front gate to DCPP in Av/o Beach, ESE
1028	Diablo Canyon Power Plant	3/16/2011	9:20	Off Site	Air Charcoal	1-131	< MDA	pCi/meter3		1.17E-02	Clear	
1029	Diablo Carryon Power Plant	3/16/2011	8:56	Olf Sie	Ar Charcoal	1-131	< MDA	pCi/meter3		9.02E-03	Clear	Station 852, Site Boundary, SE at 1.1 miles from DCPP, 7 day run (pulled on sample date) Statem 951, David, 151 at 6 miles from DCPP, 7
1030	Diablo Canyon Power Piant	3/16/2011	8:24	On Site	Air Charcoal	1-131	< MDA	pCi/meter3		1.18E-02	Clear	Stat on RS1, Onsite , SE at 0.5 m les from DCPP, 7 day run (pulled on semplic date) Stat on NT1, Onsite NET tower, S at 0.2 miles from
1031	Diablo Canyon Power Plant	3/16/2011	8:11	On Sile	Ar Charcoal	1-131	< MDA	pCi/meter3		1.558-02	Clear	DCPP, 7 day run (pulled on sample date) Station IS1, Oroite, NNW at 0.4 miles from DCPP, 7
1032	Díabio Canyon Power Plant	3/16/2011	8:37	On Sae	Air Charrogi	1-131	< MDA	pCI/meter3		1.05E-02	Clear	day run (pušed on samp'e date) Station OS2, Size Boundary, NV at 0.5 miles from
1033	Diablo Canyon Power Plant	3/16/2011	8:44	Off Saf	Air Charcoal	ŀ131	< MDA	pCv/mexer3		1.051-02	Clear	DCPP, 7 day run (pulled on simple date)
1034	North Anna Power Station	3/16/2011	1 57	0n \$ 🕸	Av Charcoal	+131	< MDA		μ£ijec	5.5 (-14		0.6 miles SE of plant
1035	North Anna Power Station	3/16/2011	2:45	On Sce	Air Chancoai	1-131	< MDA		µC/cc	7.94 6-14		0.4 miles NW of plant
1036	North Anna Power Station	3/16/2011	12:00	Off Site	Rain Water	1-131	< MDA		µCi/ml	2.59 (-8	Rain	24 m <sup>3</sup> es WNW of plant
1037	Clinton Power Station	3/16/2011	10:42	On Site	Air Charroal	1-131	< mda	pCI/meter3			Clear	
1035	<b>Gyster Creek Nuclear Generating Station</b>	3/16/2011	9:16	On Site	A'r Charcoa:	F131	< mda	pCi/meter3			Cléar	
1039	Palo Verde Nuclear Generating Station	3/16/2011	11.51	On Ste	Ar Charcos!	1-131	< mda		µG/cc	2 55E-13	Clear	
1040	Palo Verde Nuclear Generaling Station	3/16/2011	1151	On Sie	Air Partic's Filter	Cs-134	< mda		μζι/α	3.15E-13	Clear	
1041	Palo Verde Nuclear Generating Station	3/16/2011	11:51	On Size	Air Particle Filter	Cs·137	< mda		μCi/cc	3.SOE-13	Clear	
1012	Palo Verde Auxiear Generating Station	3/15/2011	14:01	On Site	Air Charcoai	1-131	< mda		yC/cc	1.78[-13	Clear	
1043	Paio Verde Mudear Generating Station	3/15/2011	14:01	0n Ste	Air Particle Filter	Cs-134	< mđa		μ <b>C</b> ;/cc	3.06[-13	Clear	
1044	Palo Verde Nuclear Genérating Station	M15/2011	14:01	On Site	Air Particle Fater	Cs-137	< mda		φC/tt	2.885-13	Clear	
												Routine 3 day environmental samples, 3 one at
	South Texas Project Electric Generating											site boundary & Soffilie. Date is sample STOP date.
1045	Station One and Two	3/15/2011	12.00	• 44	Air Charcoal	1-131	< MDA		µCi/cc	1.63E-14		No sample showed (+13)
1045	By/on Station	3/15/2011	12.35	On Site	Air Charcoal	1-131	< mda	pC/meter3			(les	
1047	Limentic Generating Station	3/15/2011	9.55	Oil See	Mék	+131	< mda	pC/meter3			Clear	
1048	Limerci Generaling Station	3/15/2011	9-55	011522	Mil	1-131	< mda	pG/meter3			Clear	
1049	Denaid C. Cook Nuclear Plant	3/15/2011	1:26	On Ste	Air Charcoal	+131	< MDA		uCi/cc	1 485-15		Weekly Vent Stack Sample from Unit 1 (marn)
1050	Limerick Generating Station	3/14/2011	9.4?	On Sce	Air Charco3	1-131	< mda	pCi/meter3			Clear	
1051	Wolf Creek Generating Station	3/14/2011	900	Oll Sca	Air Charcoal		< MDA	pCl/meter3				Weekly REMP Samples all 6 stations
1052	Peach Bottom Atomic Power Station	3/14/2011	9:43	On Site	Au Charcoal	1-131	< mda	pCi/meter3			Cear	
1053	Palo Verde Nuclear Generating Station	3/14/2011	15:31	On Ste	A'r Charcoal	1-131	< mda		μCι/cc	1.776-13	Clear	
1054	Pato Vertic Nuclear Generating Station	3/14/2011	15:31	On Ste	Air Porticie Filter	Cs-134	< mda		µCi/cc	2.046-13	Cicar	
1055	Palo Verde Nuclear Generating Station	3/14/2011	15:31	On Site	Air Panicie Fater	6-87	< mda		μCi/cc	2.005-13	Clear	
1056	Paio Verde Nucicar Generating Station	3/13/2011	8:40	On Site	A'r Charcoal	1-131	< mda		µCi/cc	2.09E-13	Clear	
1057	Pato Verde Nuclear Generating Station	3/13/2011	8:40	On Sile	Air Particle Hiter	Cs:134	< mda		μC/cc	3.63E-13	Clear	
1053	Palo Verde Nuclear Generating Station	3/13/2011	8:40	On Site	Air Particle Filter	Cs-137	< mda		µC/cc	2.726-13	Clear	
1059	Diatrio Canyon Power Plans	3/9/2011	7:20	Off Sce	Air Charcoal	1-131	< MDA	pCi/meter3		1.04E-02	Ciear	Station SF1, San Lur: Obisco, ENE at 10.2 miles from DCPP, 7 day run (pulled on sample date) Station 701, front gate to DCPP in Avia Rearb, ESE
1060	Dishio Canyon Powar Plant	3/9/2011	7:33	Off Size	Air Charcoal	1-131	< MDA	pCi/meter3		1.19E-02	Clear	at 6.6 m·es from DCPP, 7 day run (pulled on Lumo'e date) Station 852, Site Boundary, SE at 1.1 miles from
1061	Diábi: Canyon Power Plant	3/9/2011	2.55	OH Site	Air Charcou	1-131	< NIDA	pCr/meter3		1111-02	Clear	DCPP, J day run (pullisi) on sample date) Station 851, Orože , St at 0.5 miles from DCPP, 7
1062	Ojabb Canyon Power Plant	S/9/2011	8.15	On Site	Air Charcoal	H131	< MDA	pCi/meter3		1.05E O2	Clear	day run (pulled on sample date)

											Station NTL, Unsite Ale Ltower, Sature miles from
1053	D ab'o Canyon Power Flant	3/9/2011	8.05	On See	Air Charcoal	1-131	< MOA	pCi/meter3	1.06E-02	Clear	DCPP, 7 day run (pulled on sample date)
											Station 151, Onsite, NNIV at 0.4 miles from DCPP, 7
1064	Drabio Canyon Power Plant	3/9/2011	8-35	On Site	Air Charcoal	14131	< MOA	pCl/meter3	8.652-03	Clear	day run (pulied on samole date)
											Station OS2, Site Boundary, NW at 0.5 miles from
1065	Diable Canyon Power Flaht	3/9/2011	845	Off Ste	Air Charcoal	1-131	< MDA	pCU/meter3	9.40E-03	Clear	DCPP, 7 day run (pulled on sample date)

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From:	LIA04 Hoc
Sent:	Thursday, April 07, 2011 9:01 PM
То:	LIA04 Hoc; Easson, Stuart; Flannery, Cindy; Lukes, Kim; Maupin, Cardelia; Noonan,
	Amanda; OST05 Hoc; Rautzen, William; Rivera, Alison; Ryan, Michelle; Turtil, Richard;
	Virgilio, Rosetta
Subject:	Ops Center State Liaison Turnover from 4/7/11 (2PM - 9PM EDT)

## Open action items from 4/7/11 evening shift

none

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## Summary of State Liaison Team from 4/7/11 2PM - 9PM SHIFT:

Flagged Inbox Emails require additional attention.

SL participated in 04/07/11 HHS/ CDC call with States at 1700 EDT and posted meeting minutes to LT log. Trish Milligan participated on behalf of the NRC; PMT and LT supported. The next call is scheduled for 04/12/11 at 1700 EDT There are no outstanding issues for NRC stemming from this call.

Received the first summary of US Nuclear Power Plant data compiled by NEI from EPA. CRCPD was on distribution.

Email from RGNIII requesting information from FEMA on centers in Quad Cities (protocols, etc) Federal replied that Quad City shelters are local government issue. (Joe Anderson in NSIR answered with more information, but same message – LT coordinator said it was fine) Two additional documents to RII - 4/7/11, 3:21 pm email

## **Ongoing Request from ET:**

Any information forwarded out of NRC needs to be run by the ET Director. Any email from Liaison desks the LT Director and coordinator MUST be copied. If forwarding information to RSLO's please be sure the correct markings OUO – Federal Family, etc. If you have any doubt of the document sensitivity consult the LT Director/Coordinator. Note 4/6/11, 5:01 pm email.

## Ongoing Request from RST/PMT:

Also, RST and PMT have asked that if we are forwarding requests for information/action from them to please enter it in the task tracker system as well.

## **Ongoing Request from EPA:**

NOTE: NRC has NOT released a RIS and is still referring all questions to EPA.

EPA is not collecting information/data from the States. If States have questions regarding radiation data in the United States they should go to : <u>http://www.epa.gov/japan2011/</u>. There are Q&A on EPA's web site if the States have further questions.

## Ongoing action for FOIA request information gathering:

LT Coordinator asked SL Desk to forward all Inbox messages to FOIAResponse.hoc@nrc.gov. (This should populate when you start typing.)

During AM shift, please forward all Inbox emails from preceding day(s).

- To forward multiple messages, highlight messages to be forwarded and right click, selecting "Forward Items."
- Include the origin and date of emails in the subject line when sending (for example, "SL Desk 03/16-03/17/11").

#### Current Actions

• No Current Actions due from this shift. See "Follow-up Actions" for pending issues.

#### **Follow-up Actions**

- 03/31/11 evening shift SL Received inquiry from RIII RSLO H. Logaras regarding FEMA issued EPZ maps. The following questions were asked:
  - Is it appropriate to depict permanently shut down plants like Zion, Big Rock, LaCrosse and Trojan as having 10 and 50-mile EPZ's?
  - o I think the LaCrosse plant is in western Wisconsin rather than central Kansas, and is anything at all left a Trojan?

FEMA is inquiring with HQ and awaiting response (expects new maps tomorrow that do not include decommissioned plants). – Per e-mail sent by FEMA Liaison on 11:31 a.m. on 4/1, waiting for FEMA Headquarters to provide new maps that show accurate EPZ population numbers and only show operating plants. Sent email to Ken Wierman (FEMA) since they are no longer staffing the NRC Ops Center. His response indicated that the maps are still in the process of being revised. 04/05/11 3:08pm. Nothing received as of 9 pm on 4/7.

From: Sent: To: Cc: Subject: Attachments: LIA08 Hoc Friday, April 08, 2011 3:46 AM LIA07 Hoc LIA06 Hoc; LIA11 Hoc; LIA08 Hoc; LIA02 Hoc; LIA04 Hoc RE: Draft 0430 4/8 NRC Status Update with input from LT April 8 0600 EDT one pager.doc

Good Morning Jim

Attached is the LT's input for the one pager

11

From: LIA07 Hoc Sent: Friday, April 08, 2011 3:36 AM To: LIA08 Hoc Subject: RE: Draft 0430 4/8 NRC Status Update with input from LT

Thank you!

Jim

From: LIA08 Hoc Sent: Friday, April 08, 2011 3:34 AM To: LIA07 Hoc Cc: LIA06 Hoc; LIA11 Hoc; LIA08 Hoc Subject: RE: Draft 0430 4/8 NRC Status Update with input from LT

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Good Morning Jim

Attached is the LT's input

Thanks

11

From: LIA07 Hoc Sent: Friday, April 08, 2011 1:38 AM To: LIA08 Hoc; Hoc, PMT12; RST01 Hoc; Hoc, RST16 Subject: Draft 0430 4/8 NRC Status Update

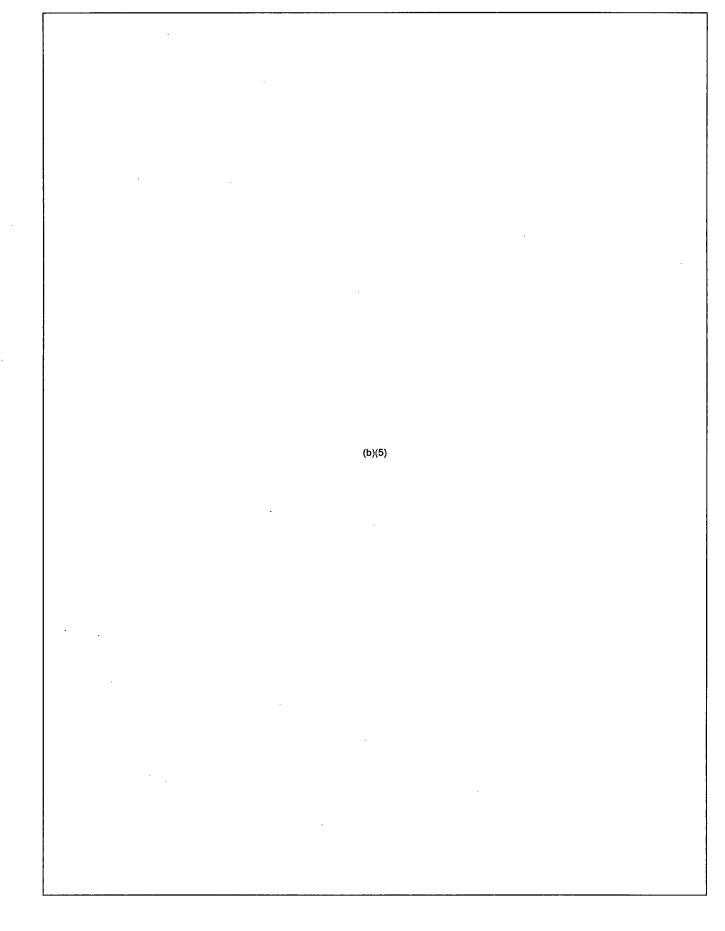
Good Morning,

Please find attached the draft 0430 Status update. Please make and highlight any changes and email them back to me by 0330 so that the ET has time to review prior to the 0430 deadline.

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Thank you,

Jim



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CI 1173 of 1219

From: Sent: To: Subject: Attachments: LIA04 Hoc Friday, April 08, 2011 6:54 AM FOIA Response.hoc Resource State Liasion Desk 04/07/11 reminders to LT members; Ops

reminders to LT members; Ops Center State Liaison Turnover from 4/7/11 (2PM - 9PM EDT); NEI US Nuclear Power Plant Data - 4/7/11; RE: EP question from end of cycle meeting; FW: State Liaison Operation Center Schedule for Week of 04/11/11; 04/07/2011 HHS Call; EDO Update; RE: Ops Center State Liaison Turnover from 4/6/11 (7AM-2PM EDT); RE: EP question from end of cycle meeting; RE: EP question from end of cycle meeting; RE: EP question from MA Re: Contamination Checks on Automobiles from Japan; EP question from end of cycle meeting; RE: Request of Release for NY Times mentioned Document FW: IN 2011-08 (ML110830824); RE: Actiion: Anticipating a question ahead of the End of Cycle Meeting

From:	LIA04 Hoc
Sent:	Friday, April 08, 2011 10:35 AM
То:	Easson, Stuart; Flannery, Cindy; LIA04 Hoc; Lukes, Kim; Maupin, Cardelia; Noonan,
	Amanda; OST05 Hoc; Rautzen, William; Rivera, Alison; Ryan, Michelle; Turtil, Richard;
	Virgilio, Rosetta
Cc:	Piccone, Josephine; Jackson, Deborah
Subject:	FYI: QUERY: Proposed RSLO/HQ Ops Center PMT Conference Call
Attachments:	FW: New Evacuation Perimeter Indian Point

FYI, we're trying to set up a conference call between PMT and the RSLOs this afternoon.

From: LIA04 Hoc

Sent: Friday, April 08, 2011 10:33 AM To: Barker, Allan; Browder, Rachel; Erickson, Randy; Logaras, Harral; Maier, Bill; McNamara, Nancy; Tifft, Doug; Trojanowski, Robert; Woodruff, Gena Cc: Hoc, PMT12 Subject: QUERY: Proposed RSLO/HQ Ops Center PMT Conference Call

Good morning, in response to the many questions on the RASCAL runs included with Press Release 11-050 and the 50 mile evacuation recommendation, including the one received by RI from CT this morning (attached), the PMT has offered to hold a conference call with all of the RSLOS to brief them on talking points they may use in response to State requests relating to this information.

We were thinking of setting it up for 1 pm EST today, Friday, April 08, 2011. Please confirm your Region's availability so I can have the HOO set the call up and send out a scheduler.

1

Thanks,

Alison Rivera State Liaison NRC HQ Operations Center 301-816-5193 From:LIA04 HocSent:Friday, April 08, 2011 12:41 PMTo:Tifft, DougSubject:RE: QUERY: Proposed RSLO/HQ Ops Center PMT Conference Call

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Thanks for your quick response. You're the only one so far to respond so we're going to send out a scheduler at this point, but push the call to 1:30.

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Thanks, Alison

From: Tifft, Doug Sent: Friday, April 08, 2011 10:34 AM To: LIA04 Hoc Subject: RE: QUERY: Proposed RSLO/HQ Ops Center PMT Conference Call

l'm available. -Doug

From: LIA04 Hoc
Sent: Friday, April 08, 2011 10:33 AM
To: Barker, Allan; Browder, Rachel; Erickson, Randy; Logaras, Harral; Maier, Bill; McNamara, Nancy; Tifft, Doug; Trojanowski, Robert; Woodruff, Gena
Cc: Hoc, PMT12
Subject: QUERY: Proposed RSLO/HQ Ops Center PMT Conference Call

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Thanks,

Alison Rivera State Liaison NRC HQ Operations Center 301-816-5193

Subject: Location:	PMT/RSLO: talking points on 11-050 inputs & 50 mile recommendation for Japan (b)(6) Passcode: (b)(6)
Start: End:	Fri 4/8/2011 1:30 PM Fri 4/8/2011 2:00 PM
Recurrence:	(none)
Meeting Status:	Meeting organizer
Organizer:	LIA04 Hoc
Required Attendees:	Barker, Allan; Browder, Rachel; Erickson, Randy; Logaras, Harral; Maier, Bill; McNamara, Nancy; Tifft, Doug; Trojanowski, Robert; Woodruff, Gena; Hoc, PMT12

Call-in Number:	(b)(6)
Passcode (b)(6)	#

Please note: call is scheduled for 1:30 pm.

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LIA04 Hoc Friday, April 08, 2011 1:18 PM Hoc, PMT12 RE: QUERY: Proposed RSLO/HQ Ops Center PMT Conference Call

Yes, but it may just be R1 on the line.

From: Hoc, PMT12 Sent: Friday, April 08, 2011 1:17 PM To: LIA04 Hoc Subject: RE: QUERY: Proposed RSLO/HQ Ops Center PMT Conference Call

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Is this call a go?

From:

Sent:

Subject:

To:

#### From: LIA04 Hoc

Sent: Friday, April 08, 2011 10:33 AM To: Barker, Allan; Browder, Rachel; Erickson, Randy; Logaras, Harral; Maier, Bill; McNamara, Nancy; Tifft, Doug; Trojanowski, Robert; Woodruff, Gena Cc: Hoc, PMT12 Subject: QUERY: Proposed RSLO/HQ Ops Center PMT Conference Call

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We were thinking of setting it up for 1 pm EST today, Friday, April 08, 2011. Please confirm your Region's availability so I can have the HOO set the call up and send out a scheduler.

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Thanks,

Alison Rivera State Liaison NRC HQ Operations Center 301-816-5193

From:	LIA04 Hoc
Sent:	Friday, April 08, 2011 2:27 PM
To:	LIA04 Hoc; Easson, Stuart; Flannery, Cindy; Lukes, Kim; Maupin, Cardelia; Noonan,
	Amanda; OST05 Hoc; Rautzen, William; Rivera, Alison; Ryan, Michelle; Turtil, Richard;
	Virgilio, Rosetta
Subject:	Ops Center State Liaison Turnover from 4/8/11 (7AM - 2PM EDT)

#### Open action items from 4/8/11 morning shift

none

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#### Summary of State Liaison Team from 4/8/11 7AM – 2PM SHIFT:

Flagged Inbox Emails require additional attention.

SL participated in 04/08/11 HHS/ Pacific Basin ESF-8 call at 1100 EDT and posted meeting minutes to LT log. Jeff Temple participated on behalf of the NRC. The next call is scheduled for 04/12/11 at 1100 EDT. Canada expressed interest in receiving the reentry documents from NRC once approved. Jeff said he'd check with the ET.

Email from RI, Doug Tifft (4/8/11, 9:41 am) regarding State of CT questions on the 50 mile evacuation recommendation and RASCAL inputs from Press Release 11-050. PMT offered to support a conference call with the RSLOs to brief them on the talking points to use when responding to State inquiries. Conference call set up for 1:30 pm EDT on 4/8; only RI called in.

4/7/11 emails were sent to FOIA.Response

#### Ongoing Request from ET:

Any information forwarded out of NRC needs to be run by the ET Director. Any email from Liaison desks the LT Director and coordinator MUST be copied. If forwarding information to RSLO's please be sure the correct markings OUO – Federal Family, etc. If you have any doubt of the document sensitivity consult the LT Director/Coordinator. Note 4/6/11, 5:01 pm email.

#### **Ongoing Request from RST/PMT:**

Also, RST and PMT have asked that if we are forwarding requests for information/action from them to please enter it in the task tracker system as well.

#### Ongoing Request from EPA:

NOTE: NRC has NOT released a RIS and is still referring all questions to EPA.

EPA is not collecting information/data from the States. If States have questions regarding radiation data in the United States they should go to : <u>http://www.epa.gov/japan2011/</u>. There are Q&A on EPA's web site if the States have further questions.

#### Ongoing action for FOIA request information gathering:

LT Coordinator asked SL Desk to forward all Inbox messages to FOIAResponse.hoc@nrc.gov. (This should populate when you start typing.)

During AM shift, please forward all Inbox emails from preceding day(s).

- To forward multiple messages, highlight messages to be forwarded and right click, selecting "Forward Items."
- Include the origin and date of emails in the subject line when sending (for example, "SL Desk 03/16-03/17/11").

#### **Current Actions**

• No Current Actions due from this shift. See "Follow-up Actions" for pending issues.

#### **Follow-up Actions**

- 03/31/11 evening shift SL Received inquiry from RIII RSLO H. Logaras regarding FEMA issued EPZ maps. The following questions were asked:
  - Is it appropriate to depict permanently shut down plants like Zion, Big Rock, LaCrosse and Trojan as having 10 and 50-mile EPZ's?
  - I think the LaCrosse plant is in western Wisconsin rather than central Kansas, and is anything at all left a Trojan?

FEMA is inquiring with HQ and awaiting response (expects new maps tomorrow that do not include decommissioned plants). – Per e-mail sent by FEMA Liaison on 11:31 a.m. on 4/1, waiting for FEMA Headquarters to provide new maps that show accurate EPZ population numbers and only show operating plants. Sent email to Ken Wierman (FEMA) since they are no longer staffing the NRC Ops Center. His response indicated that the maps are still in the process of being revised. 04/05/11 3:08pm. Nothing received as of 2 pm on 4/8.

From:Jones, CynthiaSent:Friday, April 08, 2011 3:43 PMTo:LIA04 HocSubject:Out of Office: 2011 Japan Response State Call - scheduled regardless of potential<br/>government shutdown - Tues

Thanks for your message. I will be on official travel from April 9-16, and will be accessing emails on a limited basis, but will try to respond to your email as soon as possible.

Should you have an emergent issue, please call my blackberry at (b)(6) and leave a message. I will get back to you as soon as I can.

Thank you ! Cyndi

Cynthia G. Jones, Ph.D. U.S. INES National Officer & Advisory Committee Member Sr. Techncial Advisor for Nuclear Security Office of Nuclear Security & Incident Reponse U.S. Nuclear Regulatory Commission W: 301-415-0298 C: (b)(6)

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To:

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Cc: Subject: Attachments: Barker, Allan; Browder, Rachel; Erickson, Randy; Logaras, Harral; Maier, Bill; McNamara, Nancy; Tifft, Doug; Trojanowski, Robert; Woodruff, Gena Piccone, Josephine; Jackson, Deborah — Official Use-Only: 1800 4/8 NRC Status Update USNRC Earthquake-Tsunami Update.040811.1800EDT.PDF

Good Evening,

Attached, please find a 1800 EDT, April 8, 2011 status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

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

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

Richard Turtil State Liaison NRC HQ Operations Center 301-816-5193

From:	LIA04 Hoc
Sent:	Friday, April 08, 2011 8:08 PM
То:	Noonan, Amanda; Easson, Stuart; Flannery, Cindy; LIA04 Hoc; Lukes, Kim; Maupin,
	Cardelia; OST05 Hoc; Rautzen, William; Rivera, Alison; Ryan, Michelle; Turtil, Richard;
	Virgilio, Rosetta
Cc:	LIA06 Hoc; LIA08 Hoc
Subject:	Decision on Forwarding to the States "USNRC Emergency Operations Center Status Update"

#### State Liaison Operations Team:

1.30

It was decided by Liaison Team Director and others that the "USNRC Emergency Operations Center Status Update", Earthquake / Tsunami Status Update compiled by Executive Briefing Team, and which is generated at 0430 and 1800 daily, is <u>not</u> to be sent to the States. The report is marked Official Use Only, and the document is to be distributed solely by the Executive Briefing Team Coordinator.

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Richard Turtil U.S. NRC Operations Center State Liaison From: Sent: To: Subject: Attachments: LIA04 Hoc Sunday, April 10, 2011 3:00 PM OST05 Hoc; LIA08 Hoc FW: FW: Government of Japan Request for Assistance List - Update FW: Government of Japan Request for Assistance List - Update

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From: OST05 Hoc Sent: Sunday, April 10, 2011 3:00 PM To: LIA04 Hoc; LIA08 Hoc Subject: FW: Government of Japan Request for Assistance List - Update

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LIA04 Hoc From: Sent: Sunday, April 10, 2011 6:01 PM OST05 Hoc; LIA08 Hoc Subject: FW: FW: 1800 EDT (April 10, 2011) USNRC Earthquake/Tsunami Status Update Attachments: 1800 EDT (April 10, 2011) USNRC Earthquake/Tsunami Status Update

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an and a second construction from the second s ----From: OST05 Hoc Sent: Sunday, April 10, 2011 6:01 PM To: LIA04 Hoc; LIA08 Hoc Subject: FW: 1800 EDT (April 10, 2011) USNRC Earthquake/Tsunami Status Update

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To:

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From: Sent: To: Subject: Attachments:

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LIA04 Hoc Sunday, April 10, 2011 9:37 PM OST05 Hoc; LIA08 Hoc FW: FW: Consortium Call Notes for 4-10-2011.doc Consortium Call Notes for 4-10-2011.doc

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From: OST05 Hoc Sent: Sunday, April 10, 2011 9:36 PM To: LIA04 Hoc; LIA08 Hoc Subject: FW: Consortium Call Notes for 4-10-2011.doc From: Sent: To: Subject: Attachments: LIA04 Hoc Monday, April 11, 2011 4:30 AM OST05 Hoc; LIA08 Hoc FW: FW: USNRC Earthquake/Tsunami Status Update: 0430 EDT, April 11, 2011 USNRC Earthquake/Tsunami Status Update: 0430 EDT, April 11, 2011

From: OST05 Hoc Sent: Monday, April 11, 2011 4:29 AM To: LIA04 Hoc; LIA08 Hoc Subject: FW: USNRC Earthquake/Tsunami Status Update: 0430 EDT, April 11, 2011

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From: Sent: To: Subject:

LIA04 Hoc Monday, April 11, 2011 8:59 AM OST05 Hoc; LIA08 Hoc FW: 2 items: The Ops Center and Sit Reports distribution

From: Turtil, Richard

Sent: Monday, April 11, 2011 8:58 AM To: Noonan, Amanda; Easson, Stuart; Flannery, Cindy; LIA04 Hoc; Lukes, Kim; Maupin, Cardelia; OST05 Hoc; Rautzen, William; Rivera, Alison; Ryan, Michelle; Turtil, Richard; Virgilio, Rosetta Cc: Piccone, Josephine; Virgilio, Rosetta; Jackson, Deborah Subject: 2 items: The Ops Center and Sit Reports distribution

State Liaison Ops Center folks:

1 of 2) First: there is a dramatic change in staffing downstairs. We will no longer be situated down in the Ops center. This will be good for all of us. More to follow on what minimal staffing we may need to provide. Thank you EVERYONE for your exceptional work.

2 of 2) On Friday, I instructed: "State Liaison Operations Team: It was decided by Liaison Team Director and others that the "USNRC Emergency Operations Center Status Update", Earthquake / Tsunami Status Update compiled by Executive Briefing Team, and which is generated at 0430 and 1800 daily, is <u>not</u> to be sent to the States. The report is marked Official Use Only, and the document is to be distributed solely by the Executive Briefing Team Coordinator.

# Today, I received the following...

From: LIA08 Hoc Sent: Monday, April 11, 2011 6:31 AM To: Turtil, Richard Subject: RSLO marching orders

Rich

Per Jennifer Uhle, per Jim Wiggins instructions....we CAN send the daily status update to the RSLO's, who can send it to their state contacts, BUT they must remind the state folks that this document is OUO, and is not for public dissemination.

Let me know if you have any questions about this. Lisa Gibney Wright is the daytime LT Coordinator and can answer any questions.

Thanks, and have a good day.

Jeff Temple

# And then from Mike Weber on Saturday...

From: Weber, Michael To: LIA07 Hoc Cc: ET01 Hoc; ET05 Hoc; Virgilio, Martin; Moore, Scott; Lewis, Robert; OST02 HOC Sent: Sat Apr 09 09:03:06 2011 Subject: Response - April 8, 2200 EDT "One Pager"

Thanks, Sara. I noted the caution at the end of the "one pager" not to give the Sitrep to the states. Have we established that was happening? Have we reached out to our RSLOs and FSME with this guidance?

I will be seeking clarification on what our policy really is. More to follow.

Rich

From: Sent: To: Subject: Attachments:

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LIA04 Hoc Monday, April 11, 2011 8:59 AM OST05 Hoc; LIA08 Hoc FW: FW: 2 items: The Ops Center and Sit Reports distribution 2 items: The Ops Center and Sit Reports distribution

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From: OST05 Hoc Sent: Monday, April 11, 2011 8:58 AM To: LIA04 Hoc; LIA08 Hoc Subject: FW: 2 items: The Ops Center and Sit Reports distribution From: Sent: To: Subject: Attachments:

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LIA04 Hoc Monday, April 11, 2011 11:23 AM OST05 Hoc; LIA08 Hoc FW: FW: Tuesday 4/12 2011 Japan Response State Coordination Conference Call FW: Tuesday 4/12 2011 Japan Response State Coordination Conference Call

From: OST05 Hoc Sent: Monday, April 11, 2011 11:23 AM To: LIA04 Hoc; LIA08 Hoc Subject: FW: Tuesday 4/12 2011 Japan Response State Coordination Conference Call From:LIA04 HocSent:Monday, April 11, 2011 11:23 AMTo:OST05 Hoc; LIA08 HocSubject:FW: Tuesday 4/12 2011 Japan Response State Coordination Conference CallAttachments:image004.gif; image001.jpg

From: Tifft, Doug Sent: Monday, April 11, 2011 11:22 AM To: LIA04 Hoc Cc: McNamara, Nancy Subject: FW: Tuesday 4/12 2011 Japan Response State Coordination Conference Call

Please see below request from John Angil. Are meeting minutes being created for these meetings? -Doug

From: John Angil [mailto:jangil@dps.state.vt.us]
Sent: Monday, April 11, 2011 11:21 AM
To: Tifft, Doug
Subject: RE: Tuesday 4/12 2011 Japan Response State Coordination Conference Call

Doug,

I heard them say that there are minutes available from this can you direct me to that location or send them to me... John

John F. Angil, II Director Radiological Emergency Response Program Vermont Emergency Management 230 Main Street Suite 306 Brattleboro, VT 05301

Toll free (800) 347-0488 Office (802) 251-2172 Backberry (b)(6) Pages (b)(6)

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CAUTION: The Department of Public Safety / Vermont Emergency Management cannot ensure the confidentiality or security of e-mail transmissions. For verification call (802) 251-2172...



From: Tifft, Doug [mailto:Doug.Tifft@nrc.gov] Sent: Monday, April 11, 2011 08:05

**To:** McNamara, Nancy; Turner Jamie (DEMA); Chomiszak Janet (DEMA); rmuth@mema.state.md.us; Patrick Mulligan; Jon/ Christiansen/; Feeney, Andrew; Brunelle, Greg; Sutton, Anthony; sleary@co.orange.ny.us; Adam Stiebeling; greeleyd@co.rockland.ny.us; 'longon@co.rockland.ny.us'; Tamanini, Henry; John Angil; Michael ONeil **Cc:** Thomson, Rebecca; Hammons, Darrell; Colman, Steve

Subject: Tuesday 4/12 2011 Japan Response State Coordination Conference Call

Call: Tuesday, April 12, 2011 5:00 PM-6:00 PM. Dial-In Information: US: (866) 844-9416/Intl: (203) 369-5026; passcode (b)(6)

PLEASE NOTE: This call remains scheduled regardless of any potential federal government shut-down

2011 Japan Response State Coordination Conference Call

• When: Tuesday, April 12, 2011 5:00 PM-6:00 PM (GMT-05:00) Eastern Time (US & Canada).

• Call-in: US: (866) 844-9416/Intl: (203) 369-5026; passcode: (b)(6)

• Note: The GMT offset above does not reflect daylight saving time adjustments. Agenda

- Welcome Steve Boedigheimer, CDC
- ASTHO Jim Blumenstock
- ASPR Update, Including Public Affairs
- CDC Update
- Reports from federal partners
- EPA

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- FDA
- NRC
- DOE
- CBP
- NOAA
- HHS-IGA
- ACF
- SAMHSA
- IHS
- Q&A
  - This call will be Operator Assisted
  - All callers can begin dialing in 30 minutes prior to the meeting start
  - All callers will be greeted by an Operator; please have the Passcode available when requested
  - "Speakers" should identify themselves to the Operator at initial dial in
  - Participants will hear music until the meeting starts
  - The Operator will ask for: First Name, Last Name, Organization and City/State
  - A Participant List will be provided to the POCs
  - Federal partners will have open lines; other participants will be muted
  - During the Question & Answer period, participants can press [\*1] to be ask a question
  - For any questions or problems, please contact: <u>eocaudiovisual@cdc.gov</u>

Please address any questions concerning this invitation or meeting to the CDC EOC Duty officer at 770-488-7100 or eccreport@ede.gov.

OST05 Hoc Monday, April 11, 2011 11:23 AM LIA04 Hoc; LIA08 Hoc FW: Tuesday 4/12 2011 Japan Response State Coordination Conference Call FW: Tuesday 4/12 2011 Japan Response State Coordination Conference Call

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LIA04 Hoc Monday, April 11, 2011 12:04 PM OST05 Hoc; LIA08 Hoc FW: FW: OUG--- 1200 EDT (April 11, 2011) USNRC Earthquake-Tsunami Update OUQ -- 1200 EDT (April 11, 2011) USNRC Earthquake-Tsunami Update

From: OST05 Hoc Sent: Monday, April 11, 2011 12:04 PM To: LIA04 Hoc; LIA08 Hoc Subject: FW: OBQ -- 1200 EDT (April 11, 2011) USNRC Earthquake-Tsunami Update

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From: Sent: To: Subject: LIA04 Hoc Monday, April 11, 2011 12:31 PM OST05 Hoc; LIA08 Hoc FW: Request for Information

-----Original Message-----From: Erickson, Randy Sent: Monday, April 11, 2011 12:27 PM To: Gbutner@cdph.gov Cc: Maier, Bill; LIA04 Hoc Subject: FW: Request for Information

Gary

Here is another direct request from Jeff Day in LA County for you to handle as you determine appropriate.

From: Jeffrey Day [jsday@ph.lacounty.gov] Sent: Monday, April 11, 2011 11:21 AM To: Erickson, Randy Cc: Maier, Bill Subject: RE: Request for Information

Randy,

I have a request for information. LA County is in the process of determining release criteria for contaminated containers from Japan or the surrounding area. PNNL came out to the port of LA and performed surveys on containers and has written up the results. I would like a copy of these results to help determine decision points on releasing cargo or having the cargo go through a more extensive contamination survey.

This report is in the hands of CBP in LA at a minimum. My lead contact at CBP in LA is Mr. Larios.

CBP Javier Larios 562-366-5516 or cell (b)(6)

We currently have ships in the port in which this criteria needs to be applied.

Thank you for your support. -Jeff Day.

Jeff Day, RPT Principal Radiation Protection Specialist e-mail: <u>isday@ph.lacounty.gov</u> Telephone: (213) 351-7387, Fax: (213) 351-2718 Cellular: (b)(6), Pager: (b)(6)

**Environmental Health - Radiation Management** 

3530 Wilshire Boulevard, 9th Floor, Los Angeles, CA9001024hr Emergency: (213) 974-1234County Operator24hr Emergency: (213) 989-7140Public Health

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From:Browder, RachelSent:Tuesday, April 12, 2011 10:30 AMTo:McGrady-Finneran, Patricia; LIA04 HocSubject:FW: State Conference Call Info - Japan Response

## Pat,

I received the following email – which indicates that I'm the agency's primary speaker for this afternoon's call. I'm filling in for Bill Maier – but I believe this information is incorrect. Do you know who represents the NRC during this call? Can we get that person's contact information to the coordinator? I appreciate it, Rachel

From: CDC IMS State Coordination Task Force [mailto:eocstatecoord@cdc.gov]
Sent: Tuesday, April 12, 2011 8:28 AM
To: Chip.lagdon@hq.doe.gov; Patrick.Simmons@dhs.gov; Browder, Rachel; Spear, Terri (SAMHSA); Verbeten, John E. (FDA/ORA/ORO); Natarajan, Nitin (OS); Michael, Gretchen (OS); White, Jonathan D. (ACF);
Bowles.Jack@epamail.epa.gov; Mahon, John (IHS/HQ); anthony.siebers@noaa.gov; Bratcher Bowman, Nikki (OS)
Cc: randy.howe@dhs.gov; Milligan, Patricia; Mahon, John (IHS/HQ); flynn.mike@epa.gov; Russell, Elizabeth B. (ACF)
Subject: State Conference Call Info - Japan Response

Hello.

I have you listed as your agency's primary speaker in the ASTHO State Conference Call scheduled for today at 5:00. If this is incorrect, please identify the appropriate person.

Speakers are reminded to please call in at 4:45 for a brief pre-call review with Steve Boedigheimer, and to remain on the call for a brief recap after the main conference has ended.

In this call, we'd appreciate any information you have about trends you are seeing that may impact our response, e.g., status of reactors, levels seen in air, open water sources, food supplies, passengers/cargo, etc. As our efforts begin to slow down, we want to make sure we aren't missing anything of significance.

The call information:

When: Tuesday, April 12, 2011 5:00 PM-6:00 PM (GMT-05:00) Eastern Time (US & Canada). Where: Bldg 21, Executive Conference Room; US: (866) 844-9416/Intl: (203) 369-5026; passcode

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Please identify yourself to the operator as a speaker when you call in so that your phone line will remain open during the call. Thanks again for your important participation.

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Mark Davis CDC/OPHPR/DSLR 2011 Japan Response

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OST05 Hoc Tuesday, April 12, 2011 1:07 PM LIA04 Hoc; LIA08 Hoc FW: Updated: Pacific Islands Japan Event Update Updated: Pacific Islands Japan Event Update

OST05 Hoc Tuesday, April 12, 2011 1:39 PM LIA04 Hoc; LIA08 Hoc FW: Pacific Islands Japan Event Update Pacific Islands Japan Event Update

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 From:
 OST05 Hoc

 Sent:
 Wednesday, April 13, 2011 12:13 PM

 To:
 LIA04 Hoc; LIA08 Hoc

 Subject:
 FW: <del>OUO</del> -- 1200 EDT (April 13, 2011) USNRC Earthquake-Tsunami Update

 Attachments:
 OUO -- 1200 EDT (April 13, 2011) USNRC Earthquake-Tsunami Update

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From: Sent: To:

CDC IMS State Coordination Task Force <eocstatecoord@cdc.gov> Wednesday, April 13, 2011 4:11 PM Boedigheimer, Steven F. (CDC/OPHPR/DSLR); Rogers, Barbara A. (CDC/OD/OADP); Stevens, Sheila (ATSDR/OPPE); CDC IMS Current Ops Lead -2; 2011 Japan Earthquake (CDC); CDC IMS JIC Community Outreach/Education -2; Davis, Mark A. (CDC/ONDIEH/NCIPC); Talbert, Todd (CDC/OPHPR/DSLR); Doan, Stephanie (CDC/ONDIEH/NCEH); Bushong, Erica L. (CDC/OPHPR/DSLR); Marrone, Ashley A. (CDC/OID/NCEZID); Pippin, Roger L. (CDC/OPHPR) (CTR); Bryant, Jeffrey (Jeff) (CDC/OPHPR/DSLR); Allred, Phillip M. (Mike) (CDC/ONDIEH/NCEH); Jones, Robert L. (CDC/ONDIEH/NCEH); Kapil, Vikas (CDC/ONDIEH/NCEH); Russell, Elizabeth B. (ACF); White, Jonathan D. (ACF); Sadovich, Juliana (ACF); Jones, Robin (ACF); Verbeten, John E. (FDA/ORA/ORO); Jackson, Leeanne (FDA/CFSAN/OCD); Russo, Mark R. (FDA/OC/OCTC); Muldoon, Molly V. (FDA/OC); Leblanc, Pamela (FDA/CFSAN/OCD); El Hinnawy, Patricia C. (FDA/OC/OEXA); Delancey, Siobhan M. (FDA/OC/OEXA); Howard King, Vinetta M. (FDA/OC/OCTC); Mahon, John (IHS/HQ); Karol, Susan (IHS/HQ); Fowler, Erín (OS); Michael, Gretchen (OS); Ball, Harvey J. (OS); Forsha, Joseph D. (OS); Yeskey, Kevin (OS); Kaplowitz, Lisa (OS); Marinissen, Maria Julia (OS); Sanders, Melissa (OS); Vineyard, Michael (OS); Lurie, Nicole (OS); Bratcher Bowman, Nikki (OS); Natarajan, Nitin (OS); Sizemore, Tom (OS); Spear, Terri (SAMHSA); Herrmann, Jack (CDC naccho.org); Blumenstock, Jim (CDC astho.org); Bronstein, Al; Siebers, Anthony; Bowles, Jack; McDermott, Catherine; Hanson, Carolyn; Lagdon, Chip; Weise, Donna; Flynn, Mike; Brown, Jeffrey M. (FDA/CFSAN/OCD); Lusk, Jeffrey; Brinsfield, Kathryn; McAleenan, Kevin; LIA04 Hoc; Ryan, Michelle; OST05 Hoc; Milligan, Patricia; Simmons, Patrick; Browder, Rachel; Howe, Randy; Turtil, Richard; McBurney, Ruth; Flanders, Scott; Hill, Thomas A. (FDA/CFSAN/OCD); Tupin, Edward; Veal, Lee Japan Response State Coordination Call CANCELLED for 14 April

Subject:

There will NOT be a CDC-facilitated State Conference call tomorrow, Thursday, April 14. We anticipate that there may be a final call next week, but that remains unscheduled at this time.

Your participation in the calls to date has been important and highly valued. Thank you for your assistance in keeping our state health officials informed. We look forward to talking with you again in the near future.

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Mark A. Davis On Detail to OPHPR/DSLR State Coordination Desk 2011 Japan Response 404.553.7511

OST05 Hoc Wednesday, April 13, 2011 4:12 PM LIA04 Hoc; LIA08 Hoc FW: Japan Response State Coordination Call CANCELLED for 14 April Japan Response State Coordination Call CANCELLED for 14 April

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OST05 Hoc Thursday, April 14, 2011 12:23 PM LIA04 Hoc; LIA08 Hoc FW:<del>OUO</del> -- 1200 EDT (April 14, 2011) USNRC Earthquake-Tsunami Update -<del>OUO</del> -- 1200 EDT (April 14, 2011) USNRC Earthquake-Tsunami Update

OST05 Hoc Friday, April 15, 2011 12:21 PM LIA04 Hoc; LIA08 Hoc FW: <del>OUO --</del> 1200 EDT (April 15, 2011) USNRC Earthquake-Tsunami Update <del>OUO --</del> 1200 EDT (April 15, 2011) USNRC Earthquake-Tsunami Update

From:OST05 HocSent:Saturday, April 16, 2011 1:01 PMTo:LIA04 Hoc; LIA08 HocSubject:FW:-OUO -- 1200 EDT (April 16, 2011) USNRC Earthquake-Tsunami UpdateAttachments:OUO-- 1200 EDT (April 16, 2011) USNRC Earthquake-Tsunami Update

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OST05 Hoc Sunday, April 17, 2011 12:25 PM LIA04 Hoc; LIA08 Hoc FW: USNRC Emergency Operations Center Status Update USNRC Emergency Operations Center Status Update

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OST05 Hoc Monday, April 18, 2011 1:31 PM LIA04 Hoc; LIA08 Hoc FW: RESEND: USNRC Emergency Operations Center Status Update RESEND: USNRC Emergency Operations Center Status Update

From: Sent: To: Subject:

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McNamara, Nancy Monday, April 18, 2011 2:48 PM LIA04 Hoc Question

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What are the pluses and minuses between storing fuel in a pool or in dry casks?

From: Sent: To: Subject: McNamara, Nancy Monday, April 18, 2011 3:42 PM LIA04 Hoc question

The NRC recently testified before the ACRS on the Japanese Event. Is the NRC going to make the public transcript available on the NRC external website?

OST05 Hoc Tuesday, April 19, 2011 11:45 AM LIA04 Hoc; LIA08 Hoc FW: USNRC Earthquake-Tsunami Update 041911 DRAFT 1200EDT USNRC Earthquake-Tsunami Update 041911 DRAFT 1200EDT

OST05 Hoc Tuesday, April 19, 2011 12:52 PM LIA04 Hoc; LIA08 Hoc FW: USNRC Earthquake-Tsunami Update 041911 Revision 1, 1300 EDT USNRC Earthquake-Tsunami Update 041911 Revision 1, 1300 EDT

From:Marshall, JaneSent:Tuesday, April 19, 2011 8:32 PMTo:LIA04 Hoc; Wimbush, AndreaCc:Temple, JeffreySubject:RE: FOIA info request from our Japan Site Team

NRC is working to coordinate all Japan related FOIAs under a Task Force. A yellow announcement will be out soon to tell everyone about it – we're still working out the exact wording with OIS.

I'm not sure how we'll handle the requests for the Japan Team, so at this point in time they're not supposed to be forwarding their emails to the FOIA box. Please follow up with them on that point.

I need the team member names who need their mailbox sizes increased (maybe another item for the lessons learned) so that we can get OIS to increase their box size.

From: LIA04 Hoc
Sent: Tuesday, April 19, 2011 7:03 PM
To: Wimbush, Andrea
Cc: Marshall, Jane
Subject: FOIA info request from our Japan Site Team

On a conference call with the Japan Site Team Tuesday night, they asked for information regarding responding to a FOIA request from Region IV. The team seemed to be unfamiliar with the need to send all their generated emails to our FOIAResource file. We will send the team info to remind them about the need to do that. They raised three questions:

Do we have a FOIA Japan point of contact who is tracking all FOIA requests for Japan event information, even if the FOIA request is sent to a regional office, and not to HQ.

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What are our FOIA requirements for documents that are in hard copy (and not sent by email so there is no Email trace), and disks of data from the Japanese?

We need to contact OIS and have them increase the size of the Japan Team Microsoft Outlook mail boxes.

Jeff Temple

OST05 Hoc Thursday, April 21, 2011 1:53 PM LIA04 Hoc; LIA08 Hoc FW: USNRC Earthquake-Tsunami Update - 1200 EDT (April 21, 2011) USNRC Earthquake-Tsunami Update - 1200 EDT (April 21, 2011)

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OST05 Hoc Thursday, April 21, 2011 1:54 PM LIA04 Hoc; LIA08 Hoc FW: USNRC Earthquake-Tsunami Update - 1200 EDT (April 21, 2011) USNRC Earthquake-Tsunami Update - 1200 EDT (April 21, 2011)

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OST05 Hoc Friday, April 22, 2011 12:56 PM LIA04 Hoc; LIA08 Hoc FW: USNRC Earthquake-Tsunami Update - 1200 EDT (April 22, 2011) USNRC Earthquake-Tsunami Update - 1200 EDT (April 22, 2011)

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OST05 Hoc Monday, April 25, 2011 12:02 PM LIA04 Hoc; LIA08 Hoc FW: USNRC Earthquake-Tsunami Update 042511 1200 EDT ---- pmt edits USNRC Earthquake-Tsunami Update 042511 1200 EDT ---- pmt edits

OST05 Hoc Tuesday, April 26, 2011 12:26 PM LIA04 Hoc; LIA08 Hoc FW: USNRC Earthquake-Tsunami Update 042611 1200 EDT (Final email distrubution) USNRC Earthquake-Tsunami Update 042611 1200 EDT (Final email distrubution)

From:LIA08 HocSent:Friday, April 08, 2011 3:47 AMTo:LIA02 Hoc; LIA04 HocSubject:FW: Draft 0430 4/8 NRC Status Update with input from LTAttachments:USNRC Earthquake-Tsunami Update 040811 0430EDT update with LT input.docx

From: LIA08 Hoc Sent: Friday, April 08, 2011 3:34 AM To: LIA07 Hoc Cc: LIA06 Hoc; LIA11 Hoc; LIA08 Hoc Subject: RE: Draft 0430 4/8 NRC Status Update with input from LT

Good Morning Jim

Attached is the LT's input

Thanks

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From: LIA07 Hoc Sent: Friday, April 08, 2011 1:38 AM To: LIA08 Hoc; Hoc, PMT12; RST01 Hoc; Hoc, RST16 Subject: Draft 0430 4/8 NRC Status Update

Good Morning,

Please find attached the draft 0430 Status update. Please make and highlight any changes and email them back to me by 0330 so that the ET has time to review prior to the 0430 deadline.

Thank you,

Jim