

(25 Documents)

Group DS

(Records Withheld  
In Part)

## USNRC Emergency Operations Center Status Update

### Earthquake / Tsunami Status Update

**This report includes NRC's current understanding of the ongoing situation in Japan. Historical and background information can be found in past reports.**

### NRC's Top Priorities

- Providing technical assistance to the US Ambassador in Japan and the Japanese Government.
- Continued assessment of plant and radiological conditions and protective action recommendations.
- Coordination with other US Departments and Agencies, the Institute of Nuclear Power Operations (INPO), Bechtel, General Electric Hitachi (GEH), Tokyo Electric Power Company (TEPCO), and the Japanese military.

### Status

At 0946 EST, March 11, 2011, the NRC entered Monitoring Mode, and the agency continues to monitor the unfolding events in Japan. In that the situation is not yet stable, NRC continues its 24 hour support in headquarters and a fully-engaged site team in Japan. During the week of April 11<sup>th</sup>, NRC increased the size and adjusted the skill set of its site team to better support the work activities in Japan. On April 11, NRC transitioned a great portion of its response support efforts to its line organizations. A core team of managers and experts will continue to staff the Headquarters Operations Center on a 24 hour basis Monday through Friday, with around the clock on-call staffing on weekends.

Press releases related to the situation in Japan can be found online at:

<http://www.nrc.gov/reading-rm/doc-collections/news/2011/>.

NISA and TEPCO have started holding joint press conferences to improve communications with the public. The first press conference occurred April 26 and lasted 3 hours.

The current protective action recommendation for US citizens residing within 50 miles (80 km) of the Fukushima Daiichi site is to evacuate. The U.S. Government continues to evaluate this recommendation. According to media sources, Japan decided Thursday April 21, 2011 to prohibit residents from staying within a 20-kilometer radius of Fukushima NPP. People will only be allowed to enter the zone for up to two hours to collect belongings under government supervision. No member of the public would be allowed within 3 km of the site. The government added some towns outside the 20-km radius to the list of areas covered by its "no-entry" directive (Kyodo New, 22 April.)(0600 4/22 SITREP)

As reported by Kyodo News early Thursday 21 April, TEPCO announced highly radioactive water that leaked into the Pacific Ocean from the Daiichi nuclear plant in early April contained an estimated 5,000 terabecquerels of radioactive substances – 20,000 times the annual allowable limit for the plant – with TEPCO reporting total leakage amounting to 520 tons. TEPCO estimates the leakage to have lasted for six days through April 6.

DS/1



## Reactor Safety Overview

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- The JST indicated that the Unit 3 temperatures have been decreasing and the team will continue to monitor those trends.
- HQ hydrology analyst will hold conference call on May 11 at 0800 EDT with JST and Japan counterparts. Industry information pertaining to this issue was forwarded to NRC experts.
- Pat Hiland requested Japanese SBO requirements from the JST. Task tracker 5260 has been opened to monitor this request.
- Emailed consortium to clarify request for feedback on the plant conditions and whether conditions at the site satisfy the criteria to reduce the evacuation zone.
- The RST indicated that the daily 0300 EDT call with the JST should be changed to a Tuesday and Thursday 0800 EDT. The next routine call with the RST is scheduled 0800 EDT, Thursday, May 12. The site team was also amicable to combining the Tuesday and Thursday consortium call with the new JST call as long as the agenda allowed for the JST items be conducted at the beginning of the meeting giving the team the option to sign-off if not needed for other items. The 1830 EDT RST call will continue daily as scheduled.
- Item 21b on the US-Japan Nuclear Related Assistance Tracker list is closed.
- Informed JST that the RST midnight shifts will not be manned today May 10 - May 11 2300 EDT to 0700 EDT.

## Protective Measures Overview

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- The PMT has drafted a paragraph to be approved and provided to DOS to clear the freeway and train routes from Tokyo to Sendai for unlimited US citizen travel. Transitory doses appear to be in the order of 40-100 urem per trip, much lower than a transcontinental US flight (2-5 mrem).
- Work has begun to summarize re-entry guidance in terms of the EPA 1st year (2 rem) and 2nd year (0.5 rem) impact areas. Initial thoughts are unrestricted re-entry (temporary stay times) in the 2nd year PAG zones, and in accordance with Japanese guidelines for the area exceeding 1st year PAG dose levels (approximately 0.25 mR/h at the edges). US individuals re-entering would be encouraged to register with the US embassy and be provided with a radiation safety guidance document and procedures for rinsing any slightly contaminated surfaces when exiting (hands, shoes, vehicles, etc, as a matter of good practice).
- Return within the 50 mile EPZ continues to be somewhat influenced, although by decreasing degrees, by the potential for any subsequent release. As low dose levels become a matter of exposure to deposition only, then return criteria can be confirmed and become aligned with the Japanese guidance.
- Restricted intake of contaminated foods in the vicinity is expected to be part of the guidance provided. As time progresses the ingestion pathway is an issue that will move towards the forefront.
- US Navy Installations indicated that a tropical storm is anticipated for May 11 and May 12. They requested information on what the NRC anticipates could be the typhoon's affects on solid and liquid contaminated material in the Daiichi region. This was sent to the line organization.



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Earthquake/Tsunami Status Update March 29, 2011

**USNRC Emergency Operations Center Status Update**

March 29, 2011  
Earthquake / Tsunami Status Update  
Compiled by Executive Briefing Team

This report includes NRC's current understanding of the ongoing situation in Japan.  
Historical and background information can be found in past reports.

**NRC's Top Priorities**

- 1) Continued assessment of radiological conditions, dose projections, and protective action recommendations.
- 2) Providing technical assistance to the U.S. Ambassador in Japan and the Japanese Government.
- 3) Coordination with other U.S. Departments and Agencies, the Institute of Nuclear Power Operations (INPO), Bechtel, General Electric Hitachi (GEH), Tokyo Electric Power Company (TEPCO), and the Japanese military.
- 4) Providing technical assessment on Unit 1 drywell status and support to Japan.

**Status**

At 0946 EST, March 11, 2011, the NRC entered Monitoring Mode and the agency continues to monitor the unfolding events in Japan. The Headquarters Operations Center is staffed 24/7.

The team of NRC experts in Japan continues to support the US Ambassador and his staff.

NRC has issued numerous press releases related to the earthquake and tsunami. These press releases can be found online at: <http://www.nrc.gov/reading-rm/doc-collections/news/2011/>

On March 14, 2011, the NRC experts in Japan reported that the Japanese had requested US technical assistance for cooling the Fukushima Daiichi Units, as needed. The effort to provide assistance is being coordinated by the US Ambassador.

The current protective action recommendation for U.S. citizens residing within 50 miles (80 km) of the Fukushima Daiichi site is to evacuate.

One train of temporary cooling equipment has been transported to Yokota Air Force Base. Two fresh water barges from the U.S. Navy are en route to the Daiichi site.

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1st 4 pages  
of Plant Conditions  
for RAD Source  
Term Development  
1800 EDT

using  
Melcor -  
"Pessimistic Case"

for  
US  
Embassy  
3/30

DS/2



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Earthquake/Tsunami Status Update March 29, 2011

1800 EDT

The NRC Reactor Safety Team has provided a set of recommendations pertaining to severe accident management strategies to the NRC team in Japan. The recommendations were coordinated with GEH, EPRI, INPO, Naval Reactors, and DOE.

The U.S. Department of Energy and the U.S. Environmental Protection Agency are the Federal communicators for questions regarding possible domestic impacts from the events in Japan and on domestic monitoring.

In its March 29 Situation Report #30, the U.S. Department of State indicated that the Japan Task Force has disbanded. No further situation reports will be issued from the State Department. NRC believes that this change is the result of sufficient information flow through other channels.

The Commission has established a senior level agency task force to conduct a methodical and systematic review of NRC processes and regulations with specific near-term and long-term objectives.

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#### Status of NRC Licensee and Agreement State Facilities

Air sample and standing water sample results from US nuclear plant licensees are being entered into a password protected database established by the Nuclear Energy Institute (NEI). NRC and federal partners have access to the plant data.

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#### Industry Consortium / Contractor Activities

The NRC/Consortium call has been re-established. The request has been made that the Site Team in Japan act as a clearinghouse reviewer of requests to avoid duplication. This will be shared with the other stakeholders in order to maintain a "single-list" for operational consistency. It was also requested that the call be moved to 1900 EDT to support participation by a Site Team member.

The Shaw Group has entered into an agreement with Westinghouse, Babcock and Wilcox, and Toshiba to provide support to TEPCO. They are ramping up staff in Japan and have developed a program with short, medium, and long range goals. The short term effort includes expertise in BWRs and environmental remediation.

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#### Current Understanding of Japanese Facilities

(This information is compiled from the NRC in-country team, TEPCO press releases, NISA press releases, Japan Atomic Industrial Forum (JAIF) compiled data and assessments, International Atomic Energy Agency (IAEA) information releases, Federation of Electric Power Companies of Japan, World Association of Nuclear Operators, Department of Energy (DOE) and others.)

IAEA reported an earthquake of magnitude 6.5 occurred at 2223 UTC March 27 near the east coast of Honshu, Japan. The Onagawa NPP is the closest plant to the epicenter. The three



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Earthquake/Tsunami Status Update March 29, 2011

1800 EDT

reactor units at Onagawa NPP remain in cold shutdown following March 11 earthquake. No abnormal radiation readings observed on the Onagawa site. As of 0230 UTC March 28, no report of any issue at Fukushima Daiichi, Fukushima Daini, or Tokai NPPs related to this earthquake.

**Fukushima Daiichi**

The Japanese national government instructed evacuation for local residents within a 20km radius of the site boundary and sheltering in place out to 30 km. IAEA confirms a no-fly zone out to 30 km around the Fukushima Daiichi plant. Japanese government officials have recommended to residents living within 20 to 30 km of the site to voluntarily evacuate their homes – not because of changing conditions at the site – but because of increasingly difficult logistical issues.

Meteorological information obtained by PMT through NARAC and other sources indicate that a 360 degree wind shift has occurred over the duration of the accident (on March 11).

Current forecast meteorological data appears to indicate that winds are primarily from the west (headed offshore) and should generally continue offshore through Wednesday, March 30, 2011.

STATUS as of 1800 EDT, March 29, 2011 - (0700 Japan, March 30)

*U-1*  
**Unit 1 – (NRC Priority: 1)**

**Core Status:** Damaged, fuel partially or fully exposed (Source: JAIF, NISA, TEPCO).

The volume of sea water injected to cool the core has left enough salt to fill the lower plenum to the core plate (Source: GEH, US Industry).

Vessel temperatures 139°C at bottom drain, 274°C at FW nozzle (Source: IAEA 3/28)  
RPV at 64.8 psig (Source: JAIF 3/29), DW and torus pressure at 26.6 psig (Source: NISA 3/29).

**Core Cooling:** Fresh water injection initiated at 1537 JST on March 25, injecting through FW 37.4 gpm (Source: NISA).

Recirculation pump seals have likely failed. (Source: GEH)

**Primary Containment:** Functional, 26.6 psig (Source: JAIF 3/29) Pumping water from turbine building basement to main condenser (Source: IAEA 3/29)

**Secondary Containment:** Severely damaged (hydrogen explosion)

**Spent Fuel Pool:** Temperature and level unconfirmed; white smoke being emitted as of 0630 JST on March 29 (Source: TEPCO 3/29). Considering injecting water (Source: JAIF 3/28).

All fuels in this pool are over 12 years old and have very little heat input (<0.1 MW) (Source: DOE).

**Rad Levels:** DW 3370 R/hr, Torus 2110 R/hr (source instruments unknown), Outside plant: 12 mR/hr at main gate (slight trend downward) (Source: MEXT)

**Power:** On external power (Source: NISA); equipment testing in progress (Source: JAIF, NISA, TEPCO). External AC power to the Main Control Room of Unit 1 became available at 1130 JST on March 24, 2011. Lighting operating in Main Control Room.

*U-2*  
**Unit 2 – (NRC Priority: 2)**

**Core Status:** Damaged, fuel partially or fully exposed (Source: JAIF, NISA, TEPCO).



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Earthquake/Tsunami Status Update March 29, 2011

1800 EDT

Bottom head temperature 77.7° C, feed water nozzle temperature 153.7°C (Source: NISA). RVP pressure -3.9 psig (Source: JAIF 3/29). DW pressure 0 psig (Source: NISA 3/29).

**Core Cooling:** Fresh water with boric acid injection as of 1010 JST on March 26 (Source: TEPCO). 7 m³/h or 31 gpm (Source: NISA 3/29), recirculation pump seals have likely failed. (Source: GEH)

**Primary Containment:** Damage suspected (Source: JAIF, NISA, TEPCO). Pressure: 0 psig (Source: NISA 3/29)

**Secondary Containment:** Damaged (Source: JAIF, NISA, TEPCO), blowout panels removed from side of reactor building to reduce hydrogen buildup (Source: visual)

**Spent Fuel Pool:** Fuel covered, freshwater periodically injected via fuel pool cooling system (Source: TEPCO 3/29), fuel pool temperature 45°C (Source: NISA 3/29); Pool may be overflowing based on observations of water in adjacent areas (Source: NRC Team); white smoke being emitted as of 1830 EDT on March 27 (Source: IAEA 3/28) – confirmed (Source: TEPCO 3/29)

**Rad Levels:** DW 4050 R/hr; Torus 139 R/hr (source instruments unknown); Outside plant: 12 mR/hr at main gate (slight trend downward) (Source: MEXT)

**Power:** External AC power has reached the unit; checking integrity of equipment before energizing. Power distribution panels connected (IAEA 3/27)

U-3 Unit 3 – (NRC Priority: 3)

**Core Status:** Damaged, fuel partially or fully exposed (Source: JAIF, NISA, TEPCO). Bottom head temperature 120.9°C, FW nozzle temperature: 61.5°C (Source: NISA 3/29). RVP pressure -3.7 psig (Source: JAIF 3/29). RPV level ~2/3 TAF (Source: IAEA 3/28). DW pressure 0.97 psig (Source: IAEA 3/28).

**Core Cooling:** Freshwater injection via fire line initiated, 52.8 gpm via temporary electrical pump on 1802 JST March 25 (Source: IAEA 3/29). Recirculation pump seals have likely failed. (Source: GEH)

**Primary Containment:** Japanese report functional, NRC assessment is that damage is suspected

**Secondary Containment:** Damaged (Source: JAIF, NISA, TEPCO)

**Spent Fuel Pool:** Low water level (Source: JAIF, NISA, TEPCO), spraying freshwater periodically into SFP (Source: TEPCO 3/29). White smoke being emitted as of 0630 JST on March 29 (Source: NISA 3/29).

**Rad Levels:** DW 3150 R/hr, torus 124 R/hr (INPO source instruments unknown); Outside plant: 12 mR/hr at main gate (slight trend downward) (Source: MEXT); 100 R/hr debris outside Rx building (covered).

**Power:** External AC power has reached the unit; checking integrity of equipment before energizing. Lighting operating in Main Control Room.

U-4 Unit 4 – (NRC Priority: 4)

**Core Status:** Offloaded 105 days at time of accident (Source: JAIF, NISA, TEPCO)

**Core Cooling:** Not necessary (Source: JAIF, NISA, TEPCO)

**Primary Containment:** Not applicable (Source: JAIF, NISA, TEPCO)

**Secondary Containment:** Severely damaged from hydrogen explosion. (Source: JAIF, NISA, TEPCO)

**Spent Fuel Pool:** Low water level, spraying with sea water, hydrogen from the fuel pool exploded, fuel pool is cool heating up very slowly (Source: JAIF, NISA, TEPCO) Temperature is unknown (Source: NISA). Planning to pump fresh water (Source: IAEA 3/28). White smoke confirmed 0630 JST on March 29 (Source: NISA 3/29).



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Earthquake/Tsunami Status Update March 29, 2011

1800 EDT

**Power:** External AC power has reached the unit; checking electrical integrity of equipment before energizing. (Source: JAIF, NISA, TEPCO) Power distribution panels connected (IAEA 3/27)

*Unit 5 -- (NRC Priority: 5)*

**Core Status:** In vessel (Source: JAIF, NISA, TEPCO), temperature 29.8°C (Source: JAIF 3/29)

**Core Cooling:** Functional (Source: JAIF, NISA, TEPCO)

**Primary Containment:** Functional (Source: JAIF, NISA, TEPCO)

**Secondary Containment:** Vent hole drilled in rooftop to avoid hydrogen build up (Source: JAIF, NISA, TEPCO)

**Spent Fuel Pool:** Fuel pool cooling functional, RHR pump repaired, temperature 37.1°C (Source: JAIF 3/29)

**Power:** External AC power supplying the unit, diesel generators available. (Source: JAIF, NISA, TEPCO)

*Unit 6 -- (NRC Priority: 6)*

**Core Status:** In vessel (Source: JAIF, NISA, TEPCO), temperature 48.9°C (Source: JAIF 3/29)

**Core Cooling:** Functional (Source: JAIF, NISA, TEPCO)

**Primary Containment:** Functional (Source: JAIF, NISA, TEPCO)

**Secondary Containment:** Vent hole drilled in rooftop to avoid hydrogen build up (Source: JAIF, NISA, TEPCO)

**Spent Fuel Pool:** Fuel pool cooling functional, temperature 22.0°C (Source: JAIF 3/29)

**Power:** External AC power supplying the unit, diesel generators available. (Source: JAIF, NISA, TEPCO)

**Common Spent Fuel Pool** (NRC priority: 7): 6,000 bundles (Source: GEH); water level maintained at 39°C (Source: IAEA 3/28); normal cooling started 1805 JST March 24 (Source: NISA)

**Electrical Power** (NRC priority: 7): Offsite power connected to Unit 2 auxiliary transformer / distribution panel; work continues on energizing equipment in Unit 2.

**Dry Cask Storage:** Visual inspection revealed no problems. All casks are vertical casks manufactured by Hitachi Shipbuilding (Source: RST)

NRC priorities are based on analyses by the Reactor Safety Team. Unit 1 is priority 1 based on the fact that primary containment integrity can still be preserved if the responders take the correct actions to inject to the RPV and Primary containment. Unit 2 is priority 2 because of the apparent damage to primary containment and the other barriers to release. This damage requires continued attention to cool the core and provide water to the primary containment to minimize potential for release. Unit 3 is priority 3, because primary containment may be okay but continued attention is required to pursue core cooling and injection. Unit 4 is priority 4 because progress has been made in addressing the spent fuel pool heat removal requirements and the SFP area has indicated temperatures of less than 100°C.

**Other Plants**

No new information to report

**Acronyms**

atm -- Atmosphere (unit of pressure)

DW -- Drywell



April 18, 2011

0700 EDT

**One-Pager - Fukushima Daiichi****ET Overview and Priorities**

- ET turnover: WebEoc turnover list, one-pager, list of major documents, tasker list, ET Log Book.
- Plant and fuel pool conditions are static.
- Headquarters Operations Center transition activities continue. Documented the process for tasking actions to Line Organizations. See Ops Center Transition Plan Document (WebEOC).
- Sen. Mikulski will visit NRC Monday, April 18 at 10:00 a.m. Will meet with Chairman for 30 minutes, then senior officials, then Ops Center for short tour. Will then hold press conference – EDO lead to prepare presentation.
- USAID will transition support for NRC Japan Site Team to NRC (OCFO/OIP) on May 1. USAID will continue to support until May 1.
- Surry Units 1 and 2 under Unusual Event (1855EDT) due to bad weather damaging switchyard causing units to trip. Both Units stable and running on EDGs. Ops Ctr and RII monitoring.
- Slides on Interim Comprehensive Safety Assessment, TEPCO "Roadmap", and METI statement sent to Commission Assistants.
- Unit 3 using robot to ascertain radiation, temperature, and damage in plant.
- Ambassador Roos provided Secretary Clinton with NRC quick-look comments on Roadmap.

**RST Overview and Priorities**

- Continued monitoring of Units. Unit 3 drywell head temperature is trending down. Otherwise, no major change in status.
- RST reviewing the "composite" document, *Guidance for the Re-Entry and Return of US Citizens to Areas Around Fukushima Daiichi NPP*. Comments from Japan site team on this document were forwarded to PMT. Comments to be provided to Marty Virgilio by 0900 on 4/18. After Chairman approval, provide to Federal family for review.
- "Interim Comprehensive Assessment" document lead is Tim Collins. RST feedback ongoing.
- At Technical meeting at 3:00am EDT discussed Nitrogen Inerting questions. Site Team indicated RST was interpreting their original request incorrectly. RST will put new version of question on 11am call agenda and forward to NRR for review.
- Consortium provided Roadmap for comment.

**PMT Overview and Priorities**

- Supporting request from Japan Team to provide assistance for determining intermediate phase ingestion pathway dose determination. (Task #4701, request sent to NRR POC). Japan Team also reaching back to DOE as PAG results is being reported in DOE SITREPs.
- PMT, via the line organization is supporting NARAC in updating source terms, and reviewing new source terms. No update over weekend, line organization to touch base with NARAC on Monday.
- PMT, via the line organization continues to work on the final "Composite" document. Due to Chairman by Wed March 20.
- Japan Team is actively tracking radiation readings and also refining source terms. Sandia reps are slated to leave Japan on Wed, April 20.

**LT Overview and Priorities**

- Mark Schaffer (at IAEA) has requested permission to share the NRC SitRep with the Chinese government, OIP is working). OIP was advised this document should not be shared.
- Congressman Markey's office: One outstanding question "was there a pressure vessel rupture on Unit 2"? RST provided GEH analysis to LT, and LT forwarded the analysis by email to OCA to follow-up with Congressman Markey's staff. ET requested advice from OCA on how to proceed.
- LT requested Steve Reynolds of the Japan Site Team to facilitate transferring the role for leading the Consortium calls to the Embassy.

DS/3



April 21, 2011

1500EDT

**One-Pager - Fukushima Daiichi**

**ET Overview and Priorities**

- ET turnover: WebEOC turnover list, one-pager, list of major documents, tasker list, ET Log Book.
- Plant and fuel pool conditions are generally unchanged.
- Headquarters Operations Center transition activities continue. Documented the process for tasking actions to Line Organizations. See Ops Center Transition Plan Document (WebEOC).
- USAID will transition support for NRC Japan Site Team to NRC (OCFO/OIP) on May 1. USAID will continue to support until May 1.
- Coordinated key taskers with NRC Japan team lead to ensure priority and clarity of deliverable.
- Deciding on watchstanding or "on-call" over upcoming weekend.
- Providing details to appropriate NRC staff on SharePoint site for document retrieval.

**RST Overview and Priorities**

- Continued monitoring of Units. Conditions at the units was static.
- ~~Supported 20:00 Consortium call. Items 33 and 34 were linked to the Task Tracker items. Additional information was requested by to determine if further clarity can be provided to Item 35. Japan Site Team RST and the Ops Center RST concur that these items should not be tracked on the larger consortium and should be moved to the technical consortium to resolve.~~
- NRR is reviewing the TEPCO roadmap ~~and will have analysis complete before day shift April 22.~~ NRR will forward draft to NRR management team, the Ops Center, and the Japan Site Team when complete.
- ~~NRR is reviewing JNES assessment of the possible scenarios that resulted in the Unit 4 explosion. Analysis will be provided April 22.~~
- Received "RST Assessment Rev. 2" from NRR, RST to ~~resolve apparent conflicts over the swing shift and midnight shift and returned to NRR for consortium concurrence by Wednesday, April 27.~~ *provide final draft*
- "Interim Comprehensive Assessment" (Global Assessment/Interim Safety Assessment) will be worked by NRR with data from previous two assessment document; target completion by Friday, April 29.

**PMT Overview and Priorities**

- PMT, via the line organization continues to work on the final "Composite" document aligning it with Japan's evacuation instruction, commensurate with a "Travel Advisory." Goal: Line Organization comment by COB April 26, and release to the Federal Family middle of next week.
- Japan Team is actively tracking radiation readings, refining source terms, and investigating agricultural and marine impacts.
- Request from Japan PMT to coordinate review of two documents, Japan Regs for emergency preparedness, planning and programs, for how they compare to U.S. PAGs. Review comments are requested by Friday, 4/22/11 - task #4892 to NSIR.

**LT Overview and Priorities**

- Mark Schaffer (at IAEA) has requested permission to share the NRC SitRep with the Chinese government, OIP is working). OIP was advised this document should not be shared. Concerns with any plan to share the SitRep with the Chinese government are: 1) U.S. States have been denied access to this document, and 2) If we share the document with the Chinese government, this precedent could obligate us to honor requests from other international stakeholders as well. As we learned with the NY Times article, we need to safeguard against leaks of OUO information.
- Next Industry Consortium (supplies) call is scheduled for Thursday, 4/21/11 at 2000 - U.S. Embassy Japan has sent the Request Matrix out for updating.
- Working with Japan Site Team to determine approximate number of US Citizens who live within the 12 and 50 mile radius of the Daiichi Nuclear Power Plant.

*DS/4*



April 22, 2011

1500 EDT

**One-Pager - Fukushima Daiichi**

**ET Overview and Priorities**

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- USAID will transition support for NRC Japan Site Team to NRC (OCFO/OIP) on May 1. USAID will continue to support until May 1.
- Coordinated key taskers with NRC Japan Team Lead to ensure priority and clarity of deliverables. NRC detailed comment of TEPCO Roadmap remains top priority with 4/22 draft completion and 4/25 delivery to Ambassador by Site Team Lead.
- Held interactive consortium conference call, discussing and updating 19 open government-to-government actions.
- Deciding on watchstanding or "on-call" over upcoming weekend. Japan Site Team continues to support.
- Providing details to appropriate NRC staff on SharePoint site for document retrieval.

**RST Overview and Priorities**

- Continued monitoring of Units. Conditions at the units were static.
- Supported 20:00 Consortium call. Items 33 and 34 were linked to the Task Tracker items. **Additional clarity was requested for Item 35 was closed out in the Assessment Rev1.** Japan Site Team RST and the Ops Center RST concur that these items should not be tracked on the larger consortium and should be moved to the technical consortium to resolve.
- NRR is reviewing the TEPCO roadmap and will have analysis complete on day shift April 22. NRR will forward draft to NRR management team, the Ops Center, and the Japan Site Team when complete.
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- Request from Japan PMT to coordinate review of two documents, Japan Regs for emergency preparedness, planning and programs, for how they compare to U.S. PAGs. Review comments are requested by Friday, 4/22/11 - task #4892 to NSIR.
- Request from Japan PMT to evaluate "Waste Container" and radionuclide in MOX sludge.
- Second-look the released source term and assess the difference, update if required.

**LT Overview and Priorities**

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- Next Industry Consortium (supplies) call is scheduled for Tuesday, 4/26/11 at 2000 (EDT) - U.S. Embassy Japan will send the Request Matrix out for updating.
- Working with Japan Site Team to determine approximate number of US Citizens who live within the 12 and 50 mile radius of the Daiichi Nuclear Power Plant.
- **Working with EPA to assist in a request from the US - Japan Economic Strategy Institute in Tokyo to help them obtain acceptable shipping containers for radioactive materials. Forwarded the request for information to Helen Peterson in the Foreign Commercial Services Unit of our Embassy in Japan as requested.**

- **NETT CASTO CALL SET FOR 0830 MONDAY 4/25 (EDT)**

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*Debate*

*obtaining*

*REQUESTED*

*US*

*DS/5*



April 22, 2011

1500 EDT

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- ① ✓ Coordinated key taskers with NRC Japan Team Lead to ensure priority and clarity of deliverables. NRC detailed comment of TEPCO Roadmap remains top priority with 4/22 draft completion and 4/25 delivery to Ambassador by Site Team Lead.
- ✓ Held interactive consortium conference call, discussing and updating 19 open government-to-government actions.
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- Supported 20:00 Consortium call. Items 33 and 34 were linked to the Task Tracker items. Additional clarity was requested for Item 35 was closed out in the Assessment Rev1. Japan Site Team RST and the Ops Center RST concur that these items should not be tracked on the larger consortium and should be moved to the technical consortium to resolve.
- NRR is reviewing the TEPCO roadmap and will have analysis complete on day shift April 22. NRR will forward draft to NRR management team, the Ops Center, and the Japan Site Team when complete.
- NRR is reviewing JNES assessment of the possible scenarios that resulted in the Unit 4 explosion. Analysis will be provided April 22.
- Received "RST Assessment Rev. 2" from NRR, RST to resolve apparent conflicts over the swing shift and midnight shift and returned to NRR for consortium concurrence by Wednesday, April 27.
- "Interim Comprehensive Assessment" (Global Assessment/Interim Safety Assessment) will be worked by NRR with data from previous two assessment document; target completion by Friday, April 29.

**PMT Overview and Priorities**

- PMT, via the line organization continues to work on the final "Composite" document aligning it with Japan's evacuation instruction, commensurate with a "Travel Advisory." Goal: Receive Line Organization comment by COB Tuesday April 26, and release document to the Federal Family middle of next week.
- Japan Team is actively tracking radiation readings, and investigating agricultural and marine impacts.
- Request from Japan PMT to evaluate "Waste Container" and radionuclide in MOX sludge.- Status unknown.
- On 4/21 Commission TAs inquired if any action is being taken to modify the source term. NARAC has been asked to perform more runs with updated release rates re-created from the accidents.

**LT Overview and Priorities**

- ~~Mark Schaffer (at IAEA) has requested permission to share the NRC SitRep with the Chinese government, OIP is working). OIP was advised this document should not be shared. Concerns with any plan to share the SitRep with the Chinese government are: 1) U.S. States have been denied access to this document, and 2) If we share the document with the Chinese government, this precedent could obligate us to honor requests from other international stakeholders as well. As we learned with the NY Times article, we need to safeguard against leaks of OIU information.~~
- Next Industry Consortium (supplies) call is scheduled for Tuesday, 4/26/11 at 2000 (EDT) – U.S. Embassy Japan will send the Request Matrix out for updating.
- Working with Japan Site Team to determine approximate number of US Citizens who live within the 12 and 50 mile radius of the Daiichi Nuclear Power Plant.
- Working with EPA to assist in a request from the US –Japan Economic Strategy Institute in Tokyo to help them obtain acceptable shipping containers for radioactive materials. Forwarded the request for Information to Helen Peterson in the Foreign Commercial Services Unit of our Embassy in Japan as requested.

DS/6



## One-Pager - Fukushima Daiichi

### ET Overview and Priorities

- ✓ ET turnover: WebEOC turnover list, one-pager, list of major documents, tasker list, ET Log Book.
- ✓ Plant and fuel pool conditions are generally unchanged.
- ✓ Headquarters Operations Center transition activities continue. Documented the process for tasking actions to Line Organizations. See Ops Center Transition Plan Document (WebEOC).
- ✓ USAID will transition support for NRC Japan Site Team to NRC (OCFO/OIP) on May 1. USAID will continue to support until May 1.
- ① - NRC reviewed and will provide to Japan Site Team Lead detailed comments on the TEPCO Roadmap on 4/22. This assessment incorporated comments received from the Consortium. It will be provided to the Japan Site Team Lead upon clearance from M. Virgilio (briefing scheduled for 1500 today).
- ✓ Held interactive consortium conference call, discussing government-to-government actions.
- ② Decision approved to suspend monitoring by Operations Center 24/7 over the weekend and resume watch-standing on Monday, April 25 at 0700. However, staff support must be "on-call" over upcoming weekend to support Japan Site Team as needed. Japan Site Team will be available, but will take a breather, too.
- ✓ Providing details to appropriate NRC staff on SharePoint site for document retrieval.



April 26, 2011

0700 EDT

DS/7

## One-Pager - Fukushima Daiichi

ET Overview and Priorities

- ET turnover: WebEOC turnover list, one-pager, list of major documents, tasker list, ET Log Book.
- Plant and fuel pool conditions are generally unchanged.
- Headquarters Operations Center transition activities continue. Documented the process for tasking actions to Line Organizations. See Ops Center Transition Plan Document (WebEOC).
- USAID will transition support for NRC Japan Site Team to NRC (OCFO/OIP) on May 1. USAID will continue to support until May 1.
- NRC reviewed and provided to Japan Site Team Lead detailed comments on the TEPCO Roadmap on April 22. This assessment incorporated comments received from the Consortium. The Japan Site Team provided comments back to the RST. Comments were then provided to Fred Brown for closure on April 25. Awaiting internal concurrence from the Consortium on the Roadmap.
- Provided details to appropriate NRC staff on SharePoint site for document retrieval.

RST Overview and Priorities

- Continued monitoring of Units. Conditions at the units were static. ✓
- Completed NRC review of the TEPCO Roadmap, which was provided to the site team. NRC review will be provided to Japanese Government early Tuesday morning (Japan time). Consortium to provide comments on accuracy only by COB Wednesday, April 27.
- "RST Assessment Rev. 2" will be restructured to more closely align with NRC review of the TEPCO Roadmap and sent back to the Consortium for their review and concurrence.
- "Interim Comprehensive Assessment" (Global Assessment/Interim Safety Assessment) will be worked by NRR with data from previous two assessment document; target completion by Friday, April 29.

PMT Overview and Priorities

- PMT, via the line organization, continues to work on the final "Composite" document (4969) aligning it with Japan's evacuation instruction, commensurate with a "Travel Advisory." Goal: Receive Line Organization comment by COB Tuesday April 26, and release document to the Federal Family middle of next week.
- Japan Team is actively tracking radiation readings, and investigating agricultural and marine impacts.
- The Japanese government will begin euthanizing debilitated and dying livestock within the No-go zone (20 km around site) on or after April 25. The government must have owners' consent to euthanize. Euthanized animals will be disinfected with slaked lime and wrapped in vinyl sheeting. Prefectural government staff and veterinarians are in charge of this activity with a daily maximum exposure limit of 50 mSv. At this time, they will not work in a few towns with relatively higher radiation levels.
- On April 25, Ned Wright (NSIR) obtained information from a U.S. news report that the Navy is tracking floating debris fields of about 60 to 70 miles in length. Vince Holahan (PACOM) provided information that the University of Hawaii is tracking this under contract with NOAA, and that the U.S. Coast Guard will probably be tasked to monitor the debris field as it migrates eastward. Other assets are monitoring the situation as well.
- Also on April 25 we received information that NOAA was placing the plume modeling on hold for two weeks. NOAA said that the government of Japan has requested input from IAEA representatives. There is a two week or more delay due to the representatives' arrival.

LT Overview and Priorities

- Next Industry Consortium call scheduled for Tuesday, April 26, 2011 at 2000 (EDT) – U.S. Embassy Japan will send the Request Matrix out for updating.
- Working with Japan Site Team to determine approximate number of U.S. Citizens who live within the 12- and 50- mile radius of the Daiichi Nuclear Power Plant.
- U.S.- Japan Economic Strategy Institute in Tokyo requested help in obtaining acceptable shipping containers for radioactive materials. Helen Peterson in the Foreign Commercial Services Unit U.S. Embassy Japan has this for action.

→ RST Assessment Rev 2 - Received feedback from Japan Site Team to hold (or freeze) continual revisions. Japan site team believes a number of recommendations ~~is~~ <sup>are</sup> proposed in the document ~~are~~ <sup>may not</sup> be implementable under current conditions. The consensus is that ~~the~~ a more forward looking document can be developed when more information on actual conditions are received.



April 26, 2011

0700 EDT

## One-Pager - Fukushima Daiichi

ET Overview and Priorities

- ET turnover: WebEOC turnover list, one-pager, list of major documents, tasker list, ET Log Book.
- Plant and fuel pool conditions are generally unchanged.
- Headquarters Operations Center transition activities continue. Documented the process for tasking actions to Line Organizations. See Ops Center Transition Plan Document (WebEOC).
- USAID will transition support for NRC Japan Site Team to NRC (OCFO/OIP) on May 1. USAID will continue to support until May 1.
- NRC reviewed and provided to Japan Site Team Lead detailed comments on the TEPCO Roadmap on April 22. *257* This assessment incorporated comments received from the Consortium. The Japan Site Team provided comments back to the RST. Comments were then provided to Fred Brown for closure on April 25. Awaiting internal concurrence from the Consortium on the Roadmap.
- Provided details to appropriate NRC staff on SharePoint site for document retrieval.

*Analyses  
of  
the adequacy  
of the*

*Document was  
also sent to  
the Consortium  
for comment  
by  
4/27.*

RST Overview and Priorities

- Continued monitoring of Units. Conditions at the units were static.
- Completed NRC review of the TEPCO Roadmap, which was provided to the site team. NRC review will be provided to Japanese Government early Tuesday morning (Japan time). Consortium to provide comments on accuracy only by COB Wednesday, April 27.
- "RST Assessment Rev. 2" - received feedback from Japan Site team to hold (or freeze) continued revisions. Japan Site Team believes a number of recommendations proposed in the document may not be implementable under current conditions. The consensus is that a more forward-looking document can be developed when more information on actual conditions are received.
- "Interim Comprehensive Assessment" (Global Assessment/Interim Safety Assessment) will be worked by NRR with data from previous two assessment document; target completion by Friday, April 29.

PMT Overview and Priorities

- PMT, via the line organization, continues to work on the final "Composite" document (4969) aligning it with Japan's evacuation instruction, commensurate with a "Travel Advisory." Goal: Receive Line Organization comment by COB Tuesday April 26, and release document to the Federal Family middle of next week.
- Japan Team is actively tracking radiation readings, and investigating agricultural and marine impacts.
- The Japanese government will begin euthanizing debilitated and dying livestock within the No-go zone (20 km around site) on or after April 25. The government must have owners' consent to euthanize. Euthanized animals will be disinfected with slaked lime and wrapped in vinyl sheeting. Prefectural government staff and veterinarians are in charge of this activity with a daily maximum exposure limit of 50 mSv. At this time, they will not work in a few towns with relatively higher radiation levels.
- On April 25, Ned Wright (NSIR) obtained information from a U.S. news report that the Navy is tracking floating debris fields of about 60 to 70 miles in length. Vince Holahan (PACOM) provided information that the University of Hawaii is tracking this under contract with NOAA, and that the U.S. Coast Guard will probably be tasked to monitor the debris field as it migrates eastward. Other assets are monitoring the situation as well.
- Also on April 25 we received information that NOAA was placing the plume modeling on hold for two weeks. NOAA said that the government of Japan has requested input from IAEA representatives. There is a two week or more delay due to the representatives' arrival.

LT Overview and Priorities

- Next Industry Consortium call scheduled for Tuesday, April 26, 2011 at 2000 (EDT) - U.S. Embassy Japan will send the Request Matrix out for updating.
- Working with Japan Site Team to determine approximate number of U.S. Citizens who live within the 12- and 50- mile radius of the Daiichi Nuclear Power Plant.
- U.S.- Japan Economic Strategy Institute in Tokyo requested help in obtaining acceptable shipping containers for radioactive materials. Helen Peterson in the Foreign Commercial Services Unit U.S. Embassy Japan has this for action.

*DS/8*



April 28, 2011

1500 EDT

**One-Pager - Fukushima Daiichi****ET Overview and Priorities**

- ET turnover: WebEOC turnover list, one-pager, list of major documents, tasker list, ET Log Book.
- Plant and fuel pool conditions are generally static. See RST Overview below for specific changes.
- USAID will transition support for NRC Japan Site Team to NRC (OCFO/OIP) on May 1.
- NRC reviewed and provided to Japan Site Team Lead the analysis of the adequacy of the TEPCO Roadmap on April 25. Consortium commented on April 27. Final internal review ongoing. Product due April 29.
- NRC internal review of composite report (Updated Travel Advisory) is ongoing (NSIR lead) with plans to seek interagency review. Rev 14 received. Finished product due by April 29.
- Site Team priorities: (1) water management; (2) erratic instrumentation behavior; and (3) decay heat removal.
- In light of the 0930 Commission Meeting (Thursday 4/28), the 1000 TAs & CAs Briefing with the ET has been rescheduled for 1300 (Thursday, 4/28).

**RST Overview and Priorities**

- Continued monitoring of Units. Conditions for Units 2 & 3 were static. Unit 1 RPV injection increased from 5.9 m<sup>3</sup>/hr to 10 m<sup>3</sup>/hr.
- TEPCO changed their #4 spent fuel pool assessment from yesterday and now indicated there is no leak on #4 spent fuel pool. GEH indicated that #4 spent fuel pool appears to be intact below the fuel transfer canal gate.
- It appears water level in the DW has reached the RPV lower head. RPV lower head temperature has dropped to 98.5°C.

**PMT Overview and Priorities**

- The "Composite" document (Rev 15) providing recommendations for re-entry of US citizens into the 50 mile evacuation was received, and has gone to M. Virgilio, who is waiting for feedback from Chairman, and then the federal family and finalize the document by the end of this week (04-29-11).
- OPA was contacted to obtain feedback regarding press release(s) that may be issued by NRC in conjunction with a Department of State travel advisory related to any US evacuation relaxation.
- Prior to the accident at Fukushima Daiichi, approximately 1200 U.S. citizens were identified to have lived within 50 miles of the plant, but outside of the 20 km evacuation zone. This information was provided by the consulate to the Japan PMT (Heather Gepford).
- Bullet train service between Tokyo and Sendai resumes within the next week. The highway route from Tokyo to Sendai runs parallel to the bullet train. Both routes contain segments that are within the 50 mile zone but outside 30 km. DOE performed radiation measurements of the highway route and will provide the data to the Japan PMT. We will then be requested to provide a recommendation for U.S. citizens regarding highway and/or train use.
- PMT is resuming daily conference call with PMT Japan at 6:30pm EST.

**LT Overview and Priorities**

- U.S. - Japan Economic Strategy Institute in Tokyo requested help in obtaining acceptable shipping containers for radioactive materials. Helen Peterson in the Foreign Commercial Services Unit U.S. Embassy Japan has this for action.
- All USNRC Status Updates now accessible on the Japan SharePoint page at <http://nsir-ops.nrc.gov/>. You may subscribe to email alerts through the SharePoint page (instructions in 2<sup>nd</sup> attachment). You cannot access the SharePoint site from your Blackberry at this time.

DS/9



April 29, 2011

0700 EDT

**One-Pager - Fukushima Daiichi****ET Overview and Priorities**

- Plant and fuel pool conditions are generally static. See RST Overview below for specific changes.
- USAID will transition support for NRC Japan Site Team to NRC (OCFO/OIP) on May 1.
- **TEPCO Roadmap Review (Rev 5) provided to industry consortium for comment (due 4/29/11).**
- Composite report (Updated Travel Advisory): Current revision is with the Chairman for review. **Sendai corridor (highway and rail) opening currently tied to composite release. Product anticipated to be distributed to interagency 4/29/11 1200 EDT. See PMT overview below for specifics.**
- Site Team priorities: (1) water management; (2) erratic instrumentation behavior; and (3) decay heat removal.

**RST Overview and Priorities**

- Continued monitoring of Units. Conditions for Units 2 & 3 were static. With the higher injection of 10 m<sup>3</sup>/hr for Unit 1, RPV bottom head temperature has dropped from 110.5C to 98.5C and drywell pressure has dropped from 7.8 psig to 3.4 psig. The Site Team stated that TEPCO may reduce injection flow to prevent drywell pressure from going sub-atmospheric.
- TEPCO changed their #4 spent fuel pool assessment from yesterday and now indicated there is no leak on #4 spent fuel pool. GEH indicated that #4 spent fuel pool appears to be intact below the fuel transfer canal gate.
- The evaluation of the TEPCO Roadmap, Revision 5, has been completed by NRR and sent to the Industry Consortium for comments by 4/29/11 at 1400 EDT. It is to be issued by the end of the day 4/29/11.
- **NRR is currently working on risk assessments of units 1-3, and unit 4 spent fuel pool. To be delivered to Jeff Mitman (Site Team) by 5/1/11 1800 EDT.**
- **NRR has been tasked with Mass Balance to support determination of turbine building inleakage on unit 2. Due by COB 5/2/11.**

**PMT Overview and Priorities**

- The "Composite" document (Rev 15) providing recommendations for re-entry of US citizens into the 50 mile evacuation was sent by M. Virgilio to the Chairman, who will then provide to the federal family by the end of this week (04/29/11). **Embassy ultimately decided to wait for this document rather than open Sendai corridor separately.**
- OPA was contacted to obtain feedback regarding press release(s) that may be issued by NRC in conjunction with a Department of State travel advisory related to any US evacuation relaxation.
- Prior to the accident at Fukushima Daiichi, approximately 1200 U.S. citizens were identified to have lived within 50 miles of the plant, but outside of the 20 km evacuation zone. This information was provided by the consulate to the Japan PMT (Heather Gepford).
- Bullet train service between Tokyo and Sendai resumes within the next week. There is also a highway route from Tokyo to Sendai that runs parallel to the bullet train. Both routes contain segments that are within the 50 mile zone but outside 30 km zone. DOE performed radiation measurements of the highway route and provided the data to the Japan PMT. HQ PMT has provided input to the Japan Team who will be providing a final recommendation to the US Ambassador to Japan.
- PMT is resuming daily conference call with PMT Japan at 6:30pm EST.
- As per the Japan PMT input, the HQ PMT is recommending not to staff over the weekend but to remain on-call.

**LT Overview and Priorities**

- All USNRC Status Updates now accessible on the Japan SharePoint page at <http://nsir-ops.nrc.gov/>. You may subscribe to email alerts through the SharePoint page (instructions in 2<sup>nd</sup> attachment). You cannot access the SharePoint site from your Blackberry at this time.
- Next Industry Consortium (supplies) call is scheduled for Monday, 5/02/11 at 2000 - U.S. Embassy Japan has the lead for updating the Request Matrix.

DS/10



May 2, 2011

1500 EDT

**One-Pager - Fukushima Daiichi****ET Overview and Priorities**

- Plant and fuel pool conditions are generally static. See RST Overview below for specific changes.
- NRC (OCFO/OIP) takes over funding for NRC Japan Site Team from USAID, starting today.
- TEPCO Roadmap analysis: Consortium comments provided to NRC Site Japan Team on 4/29/11.
- Composite report (Updated Travel Advisory): interagency comments due on 5/2/11. Sendai corridor (highway and rail) opening may be tied to travel advisory release. See PMT overview below for specifics.
- Site Team priorities: (1) water management; (2) erratic instrumentation behavior; and (3) decay heat removal.

**RST Overview and Priorities**

- Conditions for 1F2 and 1F3 were static. TEPCO reduced injection flow (to prevent drywell pressure from going sub-atmospheric) from 10 to 6 m<sup>3</sup>/hr for Unit 1. RPV bottom head temperature increased to 123 C (up about 25 C, where it was before flow was increased last Thursday) and drywell pressure also increased, as expected. TEPCO is closely monitoring these parameters, and they are leveling off as of 5/1/11.
- TEPCO changed their 1F4 spent fuel pool assessment from Thursday and now indicated there is no leak on 1F4 spent fuel pool. GEH indicated that 1F4 spent fuel pool appears to be intact below the fuel transfer canal gate.
- TEPCO is using the 1F2 and 1F3 spent fuel pool cooling system piping (but not the associated pumps and heat exchangers) to inject fresh water into the fuel pools.
- Consortium comments on the TEPCO Roadmap were sent to the Site Team on 4/29/11. ET confirmed with Site Team Director that no further action is required on this task.
- On 4/30/11, NRR provided a spreadsheet to the Site Team to estimate the Mass Balance of water supplied to the reactors and SFPs to support determination of turbine building inleakage on unit 2.
- NRR risk assessments for spent fuel pools will be sent to Site team by COB today (5/1/11).

**PMT Overview and Priorities**

- The "Composite" document (aka - updated travel advisory) providing recommendations for re-entry of US citizens into the 50 mile evacuation zone, was sent to the interagency on 4/29/11. Comments are due COB Monday and PMT will then coordinate comments and transmit to the Japan Team.
- OPA was contacted to obtain feedback regarding press release(s) that may be issued by NRC in conjunction with a Department of State travel advisory related to any US evacuation relaxation.
- Prior to the accident at Fukushima Daiichi, approximately 1200 U.S. citizens were identified to have lived within 50 miles of the plant, but outside of the 20 km evacuation zone. This information was provided by the consulate to the Japan PMT (Heather Gepford).
- Bullet train service between Tokyo and Sendai resumes within the next week. There is also a highway route from Tokyo to Sendai that runs parallel to the bullet train. Both routes contain segments that are within the 50 mile zone but outside 30 km zone. DOE performed radiation measurements of the highway route and provided the data to the Japan PMT. HQ PMT has provided input to the Japan Team who will be providing a final recommendation to the US Ambassador to Japan.

**LT Overview and Priorities**

- All USNRC Status Updates now accessible on the Japan SharePoint page at <http://nsir-ops.nrc.gov/>. You may subscribe to email alerts through the SharePoint page (instructions in 2<sup>nd</sup> attachment). You cannot access the SharePoint site from your Blackberry at this time.
- Next Industry Consortium (supplies) call is scheduled for Monday, 5/02/11 at 2000 - U.S. Embassy Japan has the lead for updating the Request Matrix.

DS/11



May 2, 2011

2300 EDT

**One-Pager - Fukushima Daiichi****ET Overview and Priorities**

- Plant and fuel pool conditions are generally static. See RST Overview below for specific changes.
- NRC (OCFO/OIP) takes over funding for NRC Japan Site Team from USAID, starting today.
- TEPCO Roadmap analysis: Consortium comments provided to NRC Site Japan Team on 4/29/11
- Composite report (Updated Travel Advisory): interagency comments due on 5/2/11. Sendai corridor (highway and rail) opening may be tied to travel advisory release. See PMT overview below for specifics.
- Site Team priorities: (1) water management; (2) erratic instrumentation behavior; and (3) decay heat removal.

**RST Overview and Priorities**

- Conditions for 1F2 and 1F3 were static. TEPCO reduced injection flow (to prevent drywell pressure from going sub-atmospheric) from 10 to 6 m<sup>3</sup>/hr for Unit 1. RPV bottom head temperature increased to 123 C (up about 25 C, where it was before flow was increased last Thursday) and drywell pressure also increased, as expected. TEPCO is closely monitoring these parameters.
- TEPCO changed their 1F4 spent fuel pool assessment from Thursday and now indicated there is no leak on 1F4 spent fuel pool. GEH indicated that 1F4 spent fuel pool appears to be intact below the fuel transfer canal gate.
- TEPCO is using the 1F2 and 1F3 spent fuel pool cooling system piping (but not the associated pumps and heat exchangers) to inject fresh water into the fuel pools.
- Consortium comments on the TEPCO Roadmap were sent to the Site Team on 4/29/11. DOE/NE (Dameon Peko) raised question about whether criticality control measures are included in the roadmap. RST will be discussing / addressing this on 5/3.
- RST is responding to several questions from Congressman Markey's staff in preparation for hearings on Wednesday 5/4. Chuck Norton and Eva Brown provided draft responses to these questions at 18:00 on 5/2/11.

**PMT Overview and Priorities**

- The "Composite" document (aka - updated travel advisory) providing recommendations for re-entry of US citizens into the 50 mile evacuation zone. PMT is coordinating and consolidating interagency comments into the Draft for Travel Advisory document for concurrence starting morning on 5/3/11 for transmittal to the Japan Team by COB EDT 5/3/11.
- OPA was contacted to obtain feedback regarding press release(s) that may be issued by NRC in conjunction with a Department of State travel advisory related to any US evacuation relaxation.
- Bullet train service between Tokyo and Sendai resumes within the next week. There is also a highway route from Tokyo to Sendai that runs parallel to the bullet train. Both routes contain segments that are within the 50 mile zone but outside 30 km zone. DOE performed radiation measurements of the highway route and provided the data to the Japan PMT. On 4/29/11, the Japan Team PMT provided a final recommendation agreeing with allowing travel along that corridor to the US Ambassador to Japan. (verified in PMT call on 5/2/11).
- The Japanese government has decided that KI donations are no longer needed, as reported by the CDC Emergency Operations Center.

**LT Overview and Priorities**

- All USNRC Status Updates now accessible on the Japan SharePoint page at <http://nsir-ops.nrc.gov/>. You may subscribe to email alerts through the SharePoint page (instructions in 2<sup>nd</sup> attachment). You cannot access the SharePoint site from your Blackberry at this time.
- Next Industry Consortium (supplies) call is scheduled for Friday, 5/06/11 at 2000 - U.S. Embassy Japan has the lead for updating the Request Matrix.

DS/12



May 3, 2011

0700 EDT

**One-Pager - Fukushima Daiichi****ET Overview and Priorities**

- Plant and fuel pool conditions are generally static. See RST Overview below for specific changes.
- NRC (OCFO/OIP) takes over funding for NRC Japan Site Team from USAID, starting today.
- TEPCO Roadmap analysis: Consortium comments provided to NRC Site Japan Team on 4/29/11
- Composite report (Updated Travel Advisory): interagency comments due on 5/2/11. Sendai corridor (highway and rail) opening may be tied to travel advisory release. See PMT overview below for specifics.
- Site Team priorities: (1) water management; (2) erratic instrumentation behavior; and (3) decay heat removal.

**RST Overview and Priorities**

- Conditions for 1F2 and 1F3 were static. TEPCO reduced injection flow (to prevent drywell pressure from going sub-atmospheric) from 10 to 6 m<sup>3</sup>/hr for Unit 1. RPV bottom head temperature increased to 123 C (up about 25 C, where it was before flow was increased last Thursday) and drywell pressure also increased, as expected. TEPCO is closely monitoring these parameters.
- TEPCO changed their 1F4 spent fuel pool assessment from Thursday and now indicated there is no leak on 1F4 spent fuel pool. GEH indicated that 1F4 spent fuel pool appears to be intact below the fuel transfer canal gate.
- TEPCO is using the 1F2 and 1F3 spent fuel pool cooling system piping (but not the associated pumps and heat exchangers) to inject fresh water into the fuel pools.
- Consortium comments on the TEPCO Roadmap were sent to the Site Team on 4/29/11. DOE/NE (Dameon Peko) raised question about whether criticality control measures are included in the roadmap. RST will be discussing / addressing this on 5/3.
- RST is responding to several questions from Congressman Markey's staff in preparation for hearings on Wednesday 5/4. Draft responses to these questions were sent to the Japan Site Team at 1800 EDT on 5/2/11. Comments were received from the Site Team at 0400 EDT on 5/3/11.
- Japan Site Team and INPO have not received any information from TEPCO regarding the ability of non-condensing gasses (bubbles) to vent through the support skirt.

**PMT Overview and Priorities**

- The "Composite" document (aka - updated travel advisory) providing recommendations for re-entry of US citizens into the 50 mile evacuation zone. PMT is coordinating and consolidating interagency comments into the Draft for Travel Advisory document for concurrence starting morning on 5/3/11 for transmittal to the Japan Team by COB EDT 5/3/11.
- OPA was contacted to obtain feedback regarding press release(s) that may be issued by NRC in conjunction with a Department of State travel advisory related to any US evacuation relaxation.
- Bullet train service between Tokyo and Sendai resumes within the next week. There is also a highway route from Tokyo to Sendai that runs parallel to the bullet train. Both routes contain segments that are within the 50 mile zone but outside 30 km zone. DOE performed radiation measurements of the highway route and provided the data to the Japan PMT. On 4/29/11, the Japan Team PMT provided a final recommendation agreeing with allowing travel along that corridor to the US Ambassador to Japan. (verified in PMT call on 5/2/11).
- The Japanese government has decided that KI donations are no longer needed, as reported by the CDC Emergency Operations Center.

**LT Overview and Priorities**

- All USNRC Status Updates now accessible on the Japan SharePoint page at <http://nsir-ops.nrc.gov/>. You may subscribe to email alerts through the SharePoint page (instructions in 2<sup>nd</sup> attachment). You cannot access the SharePoint site from your Blackberry at this time.
- Next Industry Consortium (supplies) call is scheduled for Friday, 5/06/11 at 2000 - U.S. Embassy Japan has the lead for updating the Request Matrix.

DS/13



May 3, 2011

1500 EDT

**One-Pager - Fukushima Daiichi****ET Overview and Priorities**

- Plant and fuel pool conditions are generally static. See RST Overview below for specific changes.
- NRC (OCFO/OIP) took over funding for NRC Japan Site Team from USAID.
- TEPCO Roadmap analysis: Consortium comments provided to NRC Site Japan Team on 4/29/11
- Composite report (Updated Travel Advisory): interagency comments due on 5/2/11. See PMT overview below for specifics.
- Site Team priorities: (1) water management; (2) erratic instrumentation behavior; and (3) decay heat removal.

**RST Overview and Priorities**

- Conditions for 1F2 and 1F3 were static. TEPCO reduced injection flow (to prevent drywell pressure from going sub-atmospheric) from 10 to 6 m<sup>3</sup>/hr for Unit 1. RPV bottom head temperature increased to 123 C (up about 25 C, where it was before flow was increased last Thursday) and drywell pressure also increased, as expected. TEPCO is closely monitoring these parameters. Temperature stabilized.
- TEPCO changed their 1F4 spent fuel pool assessment from Thursday and now indicated there is no leak on 1F4 spent fuel pool. GEH indicated that 1F4 spent fuel pool appears to be intact below the fuel transfer canal gate.
- TEPCO is using the 1F2 and 1F3 spent fuel pool cooling system piping (but not the associated pumps and heat exchangers) to inject fresh water into the fuel pools.
- Consortium comments on the TEPCO Roadmap were sent to the Site Team on 4/29/11. DOE/NE (Damian Peko) raised question about whether criticality control measures are included in the roadmap. NRC comments to the roadmap suggest establishing reliable means of establishing sub-criticality in the reactor and fuel pools.
- RST is responding to several questions from Congressman Markey's staff in preparation for hearings on Wednesday 5/4. Final document sent to Commission TA's on 5/3.
- TEPCO provided proposed drawings of superstructure/tarp to cover 1F1.
- RST (site team) sent in concern associated with erection of tents over Units 1, 3 and 4.

**PMT Overview and Priorities**

- The "Composite" document (aka - updated travel advisory) providing criteria for recommendations for return of US citizens into the 50 mile evacuation zone has been released (per Chairman approval) to Japan Team to provide to Ambassador. Updated travel advisory document has been posted to sharepoint site. Kathy Brock will have phone call with major stakeholders tomorrow at 2pm to discuss next steps on whether conditions for issuing the advisory have been met.
- OPA was contacted to obtain feedback regarding press release(s) that may be issued by NRC in conjunction with a Department of State travel advisory related to any US evacuation relaxation.
- Bullet train service between Tokyo and Sendai resumes within the next week. There is also a highway route from Tokyo to Sendai that runs parallel to the bullet train. Both routes contain segments that are within the 50 mile zone but outside 30 km zone. DOE performed radiation measurements of the highway route and provided the data to the Japan PMT.
- The Japanese government has decided that KI donations are no longer needed, as reported by the CDC Emergency Operations Center.

**LT Overview and Priorities**

- All USNRC Status Updates now accessible on the Japan SharePoint page at <http://nsir-ops.nrc.gov/>. You may subscribe to email alerts through the SharePoint page (instructions in 2<sup>nd</sup> attachment). You cannot access the SharePoint site from your Blackberry at this time.
- Next Industry Consortium (supplies) call is scheduled for Friday, 5/06/11 at 2000 - U.S. Embassy Japan has the lead for updating the Request Matrix.
- PACOM sent us a news article about a potential fuel rod leaks and higher than normal RCS rad readings at the Japanese Tsuruga NPP. Sent to Japan Site Team

DS/14



May 3, 2011

2300 EDT

**One-Pager - Fukushima Daiichi****ET Overview and Priorities**

- Plant and fuel pool conditions are generally static. See RST Overview below for specific changes.
- NRC (OCFO/OIP) took over funding for NRC Japan Site Team from USAID.
- TEPCO Roadmap analysis: Consortium comments provided to NRC Site Japan Team on 4/29/11
- Composite report (Updated Travel Advisory): interagency comments due on 5/2/11. See PMT overview below for specifics.
- Site Team priorities: (1) water management; (2) erratic instrumentation behavior; and (3) decay heat removal.

**RST Overview and Priorities**

- Conditions for 1F2 and 1F3 were static. TEPCO reduced injection flow (to prevent drywell pressure from going sub-atmospheric) from 10 to 6 m<sup>3</sup>/hr for Unit 1. RPV bottom head temperature increased to 123 C (up about 25 C, where it was before flow was increased last Thursday) and drywell pressure also increased, as expected. TEPCO is closely monitoring these parameters. Temperature stabilized.
- TEPCO changed their 1F4 spent fuel pool assessment from Thursday and now indicated there is no leak on 1F4 spent fuel pool. GEH indicated that 1F4 spent fuel pool appears to be intact below the fuel transfer canal gate.
- TEPCO is using the 1F2 and 1F3 spent fuel pool cooling system piping (but not the associated pumps and heat exchangers) to inject fresh water into the fuel pools.
- Consortium comments on the TEPCO Roadmap were sent to the Site Team on 4/29/11. DOE/NE (Damian Peko) raised question about whether criticality control measures are included in the roadmap. NRC comments to the roadmap suggest establishing reliable means of establishing sub-criticality in the reactor and fuel pools.
- RST is responding to several questions from Congressman Markey's staff in preparation for hearings on Wednesday 5/4. Final document sent to Commission TA's on 5/3.
- TEPCO provided proposed drawings of superstructure/tarp to cover 1F1.
- RST (site team) sent in concern associated with erection of tents over Units 1, 3 and 4.

**PMT Overview and Priorities**

- The "Composite" document (aka - updated travel advisory) providing criteria for recommendations for return of US citizens into the 50 mile evacuation zone has been released (per Chairman approval) to Japan Team to provide to Ambassador. Updated travel advisory document has been posted to sharepoint site. Kathy Brock will have phone call with major stakeholders tomorrow at 2pm to discuss next steps on whether conditions for issuing the advisory have been met.
- OPA was contacted to obtain feedback regarding press release(s) that may be issued by NRC in conjunction with a Department of State travel advisory related to any US evacuation relaxation.
- Bullet train service between Tokyo and Sendai resumes within the next week. There is also a highway route from Tokyo to Sendai that runs parallel to the bullet train. Both routes contain segments that are within the 50 mile zone but outside 30 km zone. DOE performed radiation measurements of the highway route and provided the data to the Japan PMT.
- The Japanese government has decided that KI donations are no longer needed, as reported by the CDC Emergency Operations Center.

**LT Overview and Priorities**

- All USNRC Status Updates now accessible on the Japan SharePoint page at <http://nsir-ops.nrc.gov/>. You may subscribe to email alerts through the SharePoint page (instructions in 2<sup>nd</sup> attachment). You cannot access the SharePoint site from your Blackberry at this time.
- Next Industry Consortium (supplies) call is scheduled for Friday, 5/06/11 at 2000 - U.S. Embassy Japan has the lead for updating the Request Matrix.
- PACOM sent us a news article about a potential fuel rod leaks and higher than normal RCS rad readings at the Japanese Tsuruga NPP. Sent to Japan Site Team

DS/15



May 4, 2011

0700 EDT

**One-Pager - Fukushima Daiichi****ET Overview and Priorities**

- Plant and fuel pool conditions are generally static. See RST Overview below for specific changes.
- NRC (OCFO/OIP) took over funding for NRC Japan Site Team from USAID.
- TEPCO Roadmap analysis: Consortium comments provided to NRC Site Japan Team on 4/29/11
- Composite report (Updated Travel Advisory): interagency comments due on 5/2/11. See PMT overview below for specifics.
- Site Team priorities: (1) water management; (2) erratic instrumentation behavior; and (3) decay heat removal.

**RST Overview and Priorities**

- Conditions for 1F2 and 1F3 were static. TEPCO reduced injection flow (to prevent drywell pressure from going sub-atmospheric) from 10 to 6 m<sup>3</sup>/hr for Unit 1. RPV bottom head temperature increased to 123 C (up about 25 C, where it was before flow was increased last Thursday) and drywell pressure also increased, as expected. TEPCO is closely monitoring these parameters. Temperature stabilized.
- TEPCO changed their 1F4 spent fuel pool assessment from Thursday and now indicated there is no leak on 1F4 spent fuel pool. GEH indicated that 1F4 spent fuel pool appears to be intact below the fuel transfer canal gate.
- TEPCO is using the 1F2 and 1F3 spent fuel pool cooling system piping (but not the associated pumps and heat exchangers) to inject fresh water into the fuel pools.
- Consortium comments on the TEPCO Roadmap were sent to the Site Team on 4/29/11. DOE/NE (Damian Peko) raised question about whether criticality control measures are included in the roadmap. NRC comments to the roadmap suggest establishing reliable means of establishing sub-criticality in the reactor and fuel pools.
- RST is responding to several questions from Congressman Markey's staff in preparation for hearings on Wednesday 5/4. Final document sent to Commission TA's on 5/3.
- TEPCO provided proposed drawings of superstructure/tarp to cover 1F1. NRC HQ reviewing the proposed drawings (Ticket 5186). Need NRR comments by 10:30 AM to support 11:00 AM consortium call. Site team requesting final input by May 4, 6:15PM (HQ Time).
- RST (site team) sent in concern associated with erection of tents over Units 1, 3 and 4.
- RST (site team) sent in TEPCO's SFP4 support diagrams. NRC HQ tasked (Ticket 5196) to review the diagrams and provide comments by 5/11/2011. TEPCO may be making an entry into 1F1 Reactor Building (no official confirmation). TEPCO may try to remove an RHR valve bonnet to connect a closed loop cooling system.

**PMT Overview and Priorities**

- The "Composite" document (aka - updated travel advisory) providing criteria for recommendations for return of US citizens into the 50 mile evacuation zone has been released (per Chairman approval) to Japan Team to provide to Ambassador. Updated travel advisory document has been posted to sharepoint site. Kathy Brock will have phone call with major stakeholders tomorrow at 2pm to discuss next steps on whether conditions for issuing the advisory have been met.
- OPA was contacted to obtain feedback regarding press release(s) that may be issued by NRC in conjunction with a Department of State travel advisory related to any US evacuation relaxation.
- Bullet train service between Tokyo and Sendai resumes within the next week. There is also a highway route from Tokyo to Sendai that runs parallel to the bullet train. Both routes contain segments that are within the 50 mile zone but outside 30 km zone. DOE performed radiation measurements of the highway route and provided the data to the Japan PMT.
- The Japanese government has decided that KI donations are no longer needed, as reported by the CDC Emergency Operations Center.

**LT Overview and Priorities**

- All USNRC Status Updates now accessible on the Japan SharePoint page at <http://nsir-ops.nrc.gov/>. You may subscribe to email alerts through the SharePoint page (instructions in 2<sup>nd</sup> attachment). You cannot access the SharePoint site from your Blackberry at this time.
- Next Industry Consortium (supplies) call is scheduled for Friday, 5/06/11 at 2000 - U.S. Embassy Japan has the lead for updating the Request Matrix.
- PACOM sent us a news article about a potential fuel rod leaks and higher than normal RCS rad readings at the Japanese Tsuruga NPP. Sent to Japan Site Team

DS/16



May 5, 2011

0700 EDT

**One-Pager - Fukushima Daiichi****ET Overview and Priorities**

- Plant and fuel pool conditions are generally static. See RST Overview below for specific changes.
- NRC (OCFO/OIP) took over funding for NRC Japan Site Team from USAID.
- TEPCO Roadmap analysis: Consortium comments provided to NRC Site Japan Team on 4/29/11
- Composite report (Updated Travel Advisory): interagency comments due on 5/2/11. See PMT overview below for specifics.
- Site Team priorities: (1) water management; (2) erratic instrumentation behavior; and (3) decay heat removal.

**RST Overview and Priorities**

- Conditions for 1F2 and 1F3 were static. TEPCO reduced injection flow (to prevent drywell pressure from going sub-atmospheric) from 10 to 6 m<sup>3</sup>/hr for Unit 1. 1F1 RPV bottom head temperature increased to 103.6 C and drywell pressure is at 19.3 psig. TEPCO is closely monitoring these parameters. Temperature stabilized.
- TEPCO changed their 1F4 spent fuel pool assessment from Thursday and now indicated there is no leak on 1F4 spent fuel pool. GEH indicated that 1F4 spent fuel pool appears to be intact below the fuel transfer canal gate. Fresh water is being injected to SPF (5/4 from NISA).
- TEPCO is using the 1F2 and 1F3 spent fuel pool cooling system piping (but not the associated pumps and heat exchangers) to inject fresh water into the fuel pools.
- Consortium comments on the TEPCO Roadmap were sent to the Site Team on 4/29/11. DOE/NE (Damian Peko) raised question about whether criticality control measures are included in the roadmap. NRC comments to the roadmap suggest establishing reliable means of establishing sub-criticality in the reactor and fuel pools.
- RST is responding to several questions from Congressman Markey's staff in preparation for hearings on Wednesday 5/4. Final document sent to Commission TA's on 5/3.
- TEPCO provided proposed drawings of superstructure/tarp to cover 1F1. RST (site team) sent in concern associated with erection of tents over Units 1, 3 and 4.
- RST (site team) sent in TEPCO's SFP4 support diagrams. NRC HQ tasked (Ticket 5196) to review the diagrams and provide comments by 5/11/2011. TEPCO may be making an entry into 1F1 Reactor Building (no official confirmation). TEPCO may try to remove an RHR valve bonnet to connect a closed loop cooling system.

**PMT Overview and Priorities**

- The "Composite" document (aka - updated travel advisory) providing criteria for recommendations for return of US citizens into the 50 mile evacuation zone has been provided to Ambassador and posted to SharePoint site. Interagency call (NRC, CDC, DOE, EPA, FDA, NR, OSTP and State) took place on 5/4/11 to discuss next steps on implementation of NRC travel advisory criteria. Dept. of State will write the updated travel advisory following recommendations from interagency group. (b)(5)

(b)(5)

(b)(5)

5/9/11, time TBD.

Next interagency call is tentatively scheduled for

- DOE will schedule meeting in near term with health physics/emergency preparedness expertise interagency group members to discuss in detail the DOE data and maps to be used in determining areas to return. Before meeting DOE will make maps available on CM web.
- OPA was contacted to obtain feedback regarding press release(s) that may be issued by NRC in conjunction with a Department of State travel advisory related to any US evacuation relaxation.
- Bullet train service between Tokyo and Sendai resumed on April 25<sup>th</sup>. There is also a highway that runs parallel to the bullet train. Both routes contain segments that are within the 50 mile zone but outside 30 km zone. DOE performed radiation measurements of the highway route and provided the data to the Japan PMT. DOE also performed radiation measurements on the bullet train itself. During the two hour one-way trip the exposure was approximately 100 micro rem.

**LT Overview and Priorities**

- All USNRC Status Updates now accessible on the Japan SharePoint page at <http://nsir-ops.nrc.gov/>.
- Next Industry Consortium (supplies) call is scheduled for Friday, 5/06/11 at 2000 - U.S. Embassy Japan has the lead for updating the Request Matrix.
- PACOM sent us a news article about a potential fuel rod leaks and higher than normal RCS rad readings at the Japanese Tsuruga NPP. Sent to Japan Site Team
- LT, in response to a question to a Navy Commander, found Deltas in our NRC rad numbers.

DS/17



May 5, 2011

1500 EDT

**One-Pager - Fukushima Daiichi****ET Overview and Priorities**

- Plant and fuel pool conditions are generally static. See RST Overview below for specific changes.
- NRC (OCFO/OIP) took over funding for NRC Japan Site Team from USAID.
- TEPCO Roadmap analysis: Consortium comments provided to NRC Site Japan Team on 4/29/11
- Composite report (Updated Travel Advisory): interagency comments due on 5/2/11. See PMT overview below for specifics.
- Site Team priorities: (1) water management; (2) erratic instrumentation behavior; and (3) decay heat removal.

**RST Overview and Priorities**

- Conditions for 1F2 and static. TEPCO continued injection on Unit 1 at 6 m<sup>3</sup>/hr. 1F1 RPV bottom head temperature lowered to 101.5.6° C and drywell pressure is at 19.3 psia. On Unit 3, temperatures are rising, FW nozzle temperature has risen to 156.6° C and RPV temperature has risen to 143.5° C. In response to these changes, TEPCO has increased injection flow to 9.6 m<sup>3</sup>/hr. TEPCO is closely monitoring these parameters.
- TEPCO changed their 1F4 spent fuel pool assessment from Thursday and now indicated there is no leak on 1F4 spent fuel pool. GEH indicated that 1F4 spent fuel pool appears to be intact below the fuel transfer canal gate. Fresh water is being injected to SPF (5/4 from NISA).
- TEPCO is using the 1F2 and 1F3 spent fuel pool cooling system piping (but not the associated pumps and heat exchangers) to inject fresh water into the fuel pools.
- Consortium comments on the TEPCO Roadmap were sent to the Site Team on 4/29/11. DOE/NE (Damian Peko) raised question about whether criticality control measures are included in the roadmap. NRC comments to the roadmap suggest establishing reliable means of establishing sub-criticality in the reactor and fuel pools.
- RST is responding to several questions from Congressman Markey's staff in preparation for hearings on Wednesday 5/4. Final document sent to Commission TA's on 5/3.
- TEPCO made a press release discussing improvements of the environment with the Reactor Building of Unit 1. There are drawings in the press release showing their proposed cooling system.
- TEPCO made an entry into 1F1 Reactor Building to start connecting a temporary ventilation system to improve air quality and reduce radiation levels inside the building.

**PMT Overview and Priorities**

- The "Composite" document (aka - updated travel advisory) providing criteria for recommendations for return of US citizens into the 50 mile evacuation zone has been provided to Ambassador and posted to SharePoint site. Interagency call (NRC, CDC, DOE, EPA, FDA, NR, OSTP and State) took place on 5/4/11 to discuss next steps on implementation of NRC travel advisory criteria. Dept. of State will write the updated travel advisory following recommendations from interagency group. Next interagency call is tentatively scheduled for 5/9/11 at 1:00p.m.
- DOE will schedule meeting in near term with health physics/emergency preparedness expertise interagency group members to discuss in detail the DOE data and maps to be used in determining areas to return. Before meeting DOE will make maps available on CM web.
- OPA was contacted to obtain feedback regarding press release(s) that may be issued by NRC in conjunction with a Department of State travel advisory related to any US evacuation relaxation.
- Bullet train service between Tokyo and Sendai resumed on April 25<sup>th</sup>. There is also a highway that runs parallel to the bullet train. Both routes contain segments that are within the 50 mile zone but outside 30 km zone. DOE performed radiation measurements of the highway route and provided the data to the Japan PMT. DOE also performed radiation measurements on the bullet train itself. During the two hour one-way trip the exposure was approximately 100 micro rem.

**LT Overview and Priorities**

- All USNRC Status Updates now accessible on the Japan SharePoint page at <http://nsir-ops.nrc.gov/>.
- Next Industry Consortium (supplies) call is scheduled for Friday, 5/06/11 at 2000 – U.S. Embassy Japan has the lead for updating the Request Matrix.
- PACOM sent us a news article about a potential fuel rod leaks and higher than normal RCS rad readings at the Japanese Tsuruga NPP. Readings were determined to be well below TS limits established for a typical US plant. This information was fed back to, and acknowledged by, PACOM.
- LT, in response to a question to a Navy Commander, found Deltas in our NRC rad numbers. RST working to resolve discrepancies.

DS/18



May 5, 2011

2300 EDT

**One-Pager - Fukushima Daiichi****ET Overview and Priorities**

- Staff understands ET Operations will cease at 1500 Friday 5/6. Staff will be on call (Note: EST will cease as well BUT will not be on call). Operations to resume 0700 Monday 5/9.
- Plant and fuel pool conditions are generally static. See RST Overview below for specific changes.
- NRC (OCFO/OIP) took over funding for NRC Japan Site Team from USAID.
- TEPCO Roadmap analysis: Consortium comments provided to NRC Site Japan Team on 4/29/11
- Site Team priorities: (1) water management; (2) erratic instrumentation behavior; and (3) decay heat removal.

**RST Overview and Priorities**

- Staff understands RST Operations will cease at 1500 Friday 5/6. Staff will be on call. Operations to resume 0700 Monday 5/9.
- Conditions for 1F2 and static. TEPCO continued injection on Unit 1 at 6 m<sup>3</sup>/hr. 1F1 RPV bottom head temperature lowered to 101.56° C and drywell pressure is at 19.3 psia. On Unit 3, temperatures are rising, FW nozzle temperature has risen to 156.6° C and RPV temperature has risen to 143.5° C. In response to these changes, TEPCO has increased injection flow to 9.6 m<sup>3</sup>/hr. TEPCO is closely monitoring these parameters.
- TEPCO changed their 1F4 spent fuel pool assessment from Thursday and now indicated there is no leak on 1F4 spent fuel pool. GEH indicated that 1F4 spent fuel pool appears to be intact below the fuel transfer canal gate. Fresh water is being injected to SPF (5/4 from NISA).
- TEPCO is using the 1F2 and 1F3 spent fuel pool cooling system piping (but not the associated pumps and heat exchangers) to inject fresh water into the fuel pools.
- TEPCO made a press release discussing improvements of the environment with the Reactor Building of Unit 1. There are drawings in the press release showing their proposed cooling system.
- TEPCO made an entry into 1F1 Reactor Building to start connecting a temporary ventilation system to improve air quality and reduce radiation levels inside the building.

**PMT Overview and Priorities**

- Staff understands PMT Operations will cease at 1500 Friday 5/6. Staff will be on call. Operations to resume 0700 Monday 5/9.
- The "Composite" document (aka - updated travel advisory) providing criteria for recommendations for return of US citizens into the 50 mile evacuation zone has been provided to Ambassador and posted to SharePoint site. Interagency call (NRC, CDC, DOE, EPA, FDA, NR, OSTP and State) took place on 5/4/11 to discuss next steps on implementation of NRC travel advisory criteria. Dept. of State will write the updated travel advisory following recommendations from interagency group. Next interagency call is tentatively scheduled for 5/9/11 at 1:00p.m.
- DOE will schedule meeting in near term with health physics/emergency preparedness expertise interagency group members to discuss in detail the DOE data and maps to be used in determining areas to return. Before meeting DOE will make maps available on CM web.
- PMT Japan is going to meet today with GOJ to discuss their criteria for evacuation areas to see if we can eventually support the same evacuation areas.
- Bullet train service between Tokyo and Sendai resumed on April 25<sup>th</sup>. There is also a highway that runs parallel to the bullet train. Both routes contain segments that are within the 50 mile zone but outside 30 km zone. DOE performed radiation measurements of the highway route and provided the data to the Japan PMT. DOE also performed radiation measurements on the bullet train itself. During the two hour one-way trip the exposure was approximately 100 micro rem.
- PMT (Kathy Brock) received a number of questions (b)(5) regarding the basis for the 50-mile evacuation zone and the potential for a large release. NSIR/DPR has been asked to respond to his questions.

**LT Overview and Priorities**

- Staff understands LT Operations will cease at 1500 Friday 5/6. Staff will be on call. Operations to resume 0700 Monday 5/9.
- All USNRC Status Updates now accessible on the Japan SharePoint page at <http://nsir-ops.nrc.gov/>.
- Next Industry Consortium (supplies) call is scheduled for Friday, 5/06/11 at 2000 – U.S. Embassy Japan has the lead for updating the Request Matrix. Jeff Temple will handle the 2000 Friday Industry Consortium Call.
- PACOM sent us a news article about a potential fuel rod leaks and higher than normal RCS rad readings at the Japanese Tsuruga NPP. Readings were determined to be well below TS limits established for a typical US plant. This information was fed back to, and acknowledged by, PACOM.
- LT, in response to a question to a Navy Commander, found Deltas in our NRC rad numbers. RST has resolved discrepancies.

DS/19



May 6, 2011

0700 EDT

**One-Pager - Fukushima Daiichi****ET Overview and Priorities**

- Staff understands ET Operations will cease at 1500 Friday 5/6. Staff will be on call (Note: EST will cease as well BUT will not be on call). Operations to resume 0700 Monday 5/9.
- Plant and fuel pool conditions are generally static. See RST Overview below for specific changes.
- NRC (OCFO/OIP) took over funding for NRC Japan Site Team from USAID.
- TEPCO Roadmap analysis: Consortium comments provided to NRC Site Japan Team on 4/29/11
- Site Team priorities: (1) water management; (2) erratic instrumentation behavior; and (3) decay heat removal.
- Casto called at 0630 to inform us that Kuysu's Sendai Unit 1 will be shut down on 5/10 for a two month planned outage and Japan Atomic Power Company's Tsurgr will be shut down on 5/7 for an unplanned inspection.

**RST Overview and Priorities**

- Staff understands RST Operations will cease at 1500 Friday 5/6. Staff will be on call. Operations to resume 0700 Monday 5/9.
- Conditions for 1F2 and static. TEPCO continued injection on Unit 1 at 6 m<sup>3</sup>/hr. 1F1 RPV bottom head temperature lowered to 101.5.6° C and drywell pressure is at 19.3 psia. On Unit 3, temperatures are rising, FW nozzle temperature has risen to 156.6° C and RPV temperature has risen to 143.5° C. In response to these changes, TEPCO has increased injection flow to 9.6 m<sup>3</sup>/hr. TEPCO is closely monitoring these parameters.
- 0300 call with Site Team – Unit 3 temperatures still rising. TEPCO planning to increase flow to 10 m<sup>3</sup>/hr.
- TEPCO changed their 1F4 spent fuel pool assessment from Thursday and now indicated there is no leak on 1F4 spent fuel pool. GEH indicated that 1F4 spent fuel pool appears to be intact below the fuel transfer canal gate. Fresh water is being injected to SPF (5/4 from NISA).
- TEPCO is using the 1F2 and 1F3 spent fuel pool cooling system piping (but not the associated pumps and heat exchangers) to inject fresh water into the fuel pools..
- TEPCO made a press release discussing improvements of the environment with the Reactor Building of Unit 1. There are drawings in the press release showing their proposed cooling system.
- TEPCO made an entry into 1F1 Reactor Building to start connecting a temporary ventilation system to improve air quality and reduce radiation levels inside the building.
- TEPCO plans to operate the temporary ventilation system for approximately 30 hours, following which they plan to enter the reactor building to install an alternative cooling system, by as early as Sunday 5/8.
- TEPCO revised SFP4 support drawings with more detailed information. Site team to forward the drawings for HQ review.

**PMT Overview and Priorities**

- Staff understands PMT Operations will cease at 1500 Friday 5/6. Staff will be on call. Operations to resume 0700 Monday 5/9.
- The "Composite" document (aka - updated travel advisory) providing criteria for recommendations for return of US citizens into the 50 mile evacuation zone has been provided to Ambassador and posted to SharePoint site. Interagency call (NRC, CDC, DOE, EPA, FDA, NR, OSTP and State) took place on 5/4/11 to discuss next steps on implementation of NRC travel advisory criteria. Dept. of State will write the updated travel advisory following recommendations from interagency group. Next interagency call is tentatively scheduled for 5/9/11 at 1:00p.m.
- DOE will schedule meeting in near term with health physics/emergency preparedness expertise interagency group members to discuss in detail the DOE data and maps to be used in determining areas to return. Before meeting DOE will make maps available on CM web.
- PMT Japan is going to meet today with GOJ to discuss their criteria for evacuation areas to see if we can eventually support the same evacuation areas.
- Bullet train service between Tokyo and Sendai resumed on April 25<sup>th</sup>. There is also a highway that runs parallel to the bullet train. Both routes contain segments that are within the 50 mile zone but outside 30 km zone. DOE performed radiation measurements of the highway route and provided the data to the Japan PMT. DOE also performed radiation measurements on the bullet train itself. During the two hour one-way trip the exposure was approximately 100 micro rem.
- PMT (Kathy Brock) received a number of questions (b)(5) regarding the basis for the 50-mile evacuation zone and the potential for a large release. NSIR/DPR has been asked to respond to his questions.

**LT Overview and Priorities**

- Staff understands LT Operations will cease at 1500 Friday 5/6. Staff will be on call. Operations to resume 0700 Monday 5/9.
- All USNRC Status Updates now accessible on the Japan SharePoint page at <http://nsir-ops.nrc.gov/>.

DS/20



- Next Industry Consortium (supplies) call is scheduled for Friday, 5/06/11 at 2000 – U.S. Embassy Japan has the lead for updating the Request Matrix. Jeff Temple will handle the 2000 Friday Industry Consortium Call.
- PACOM sent us a news article about a potential fuel rod leaks and higher than normal RCS rad readings at the Japanese Tsuruga NPP. Readings were determined to be well below TS limits established for a typical US plant. This information was fed back to, and acknowledged by, PACOM.
- LT, in response to a question to a Navy Commander, found Deltas in our NRC rad numbers. RST has resolved discrepancies.

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May 9, 2011

1500 EDT

**One-Pager - Fukushima Daiichi****ET Overview and Priorities**

- Plant and fuel pool conditions are generally static. See RST Overview below for specific changes.
- NRC (OCFO/OIP) took over funding for NRC Japan Site Team from USAID.
- Site Team priorities: (1) water management; (2) erratic instrumentation behavior; and (3) decay heat removal.
- Casto called at 0630 to inform us that Kuysu's Sendai Unit 1 will be shut down on 5/10 for a two month planned outage and Japan Atomic Power Company's Tsurug will be shut down on 5/7 for an unplanned inspection. Hamaoka site unites ordered shut down by Prime Minister for earthquake and tsunami inspections.

**RST Overview and Priorities**

- 1F3 temperatures are rising in containment and the vessel. In response to these changes, TEPCO has increased injection flow to 9 m<sup>3</sup>/hr. TEPCO is closely monitoring these parameters and is planning to move the injection flow path to the feedwater line and increase flow to 10 m<sup>3</sup>/hr with boron.
- TEPCO is using the 1F2 and 1F3 spent fuel pool cooling system piping (but not the associated pumps and heat exchangers) to inject fresh water into the fuel pools.
- TEPCO revised SFP4 support drawings with more detailed information. The RST consortium is reviewing the updated information. TEPCO has ventilated Unit 1 Rx Building and opened the Turbine Building to Rx Building doors.

**PMT Overview and Priorities**

- The 1:00PM interagency call scheduled for 5/9/11, addressed the major freeway and train route to Sendai, re-entry considerations, and long term relocation in impacted zones. Consensus was that the major routes could be cleared for unlimited travel. These routes appear to be along the western edge of the 2<sup>nd</sup> year PAG zone (500 mrem in 2<sup>nd</sup> or subsequent years) and transitory doses appear negligible. Select DOE air sampling indicates re-suspension values along the route in the order of 5x10<sup>-7</sup>/m (extremely low – no significant internal dose contribution). NRC will provide language to the DOS.
- DOE has 5/9/11 updated maps available in the latest site on the CM web.
- Appropriate (past drafts exist) e-entry guidance will be reviewed. At the expected low dose levels (order of 0.5 – 2 rem outside annual dose rates), practical re-entry guidelines should be achievable.

**LT Overview and Priorities**

- All USNRC Status Updates now accessible on the Japan SharePoint page at <http://nsir-ops.nrc.gov/>.
- Next Industry Consortium (supplies) call is scheduled for Monday, 5/09/11 at 2000 – U.S. Embassy Japan has the lead for updating the Request Matrix. Earl Libby will handle the 2000 Monday Industry Consortium Call.
- Received an e-mail from DOS to review and approve press guidance on the topic of the NRC involvement in the decision to close the nuclear power plants in Hamaoka. OPA and the ET director approved the document.

DS/21



May 10, 2011

2300 EDT

**One-Pager - Fukushima Daiichi****ET Overview and Priorities**

- Plant and fuel pool conditions are generally static. See RST Overview below for specific changes.
- Top near-term deliverable support to Site Team is meeting with hydrology experts. See RST Overview.
- Site Team issue priorities: (1) water management (including hydrology); (2) erratic instrumentation behavior; and (3) decay heat removal.
- Site Team unit priorities remain: (1) 1F1, (2) 1F3, and (3) 1F2.

**RST Overview and Priorities**

- The Japan team indicated that the Unit 3 temperatures have been decreasing and the team will continue to monitor those trends.
- Hydrology analyst will meet on May 11 at 0800 EDT to speak with Japan site team and Japan counterparts. Industry information pertaining to this issue was forwarded to NRC experts.
- Pat Hiland requested Japanese SBO requirements from the Japanese Site Team. Task tracker 5260 has been opened to monitor this request.
- Emailed consortium to clarify request for feedback on the plant conditions and whether conditions at the site satisfy the criteria to reduce the evacuation zone.
- The RST indicated that the daily 0300 EDT call with the JST should be changed to a Tuesday and Thursday 0800 EDT. The next routine call with the RST is scheduled 0800 EDT, Thursday, May 12. The site team was also amicable to combining the Tuesday and Thursday consortium call with the new JST call as long as the agenda allowed for the JST items be conducted at the beginning of the meeting giving the team the option to sign-off if not needed for other items. The 1830 EDT RST call will continue daily as scheduled.
- Item 21b on the US-Japan Nuclear Related Assistance Tracker list is closed.
- Informed site team that the RST midnight shifts will not be manned today May 10 - May 11 2300 EDT to 0700 EDT.

**PMT Overview and Priorities**

- The PMT has drafted a paragraph to be approved and provided to DOS to clear the freeway and train routes from Tokyo to Sendai for unlimited US citizen travel. Transitory doses appear to be in the order of 40-100 urem per trip, much lower than a transcontinental US flight (2-5 mrem).
- Work has begun to summarize re-entry guidance in terms of the EPA 1st year (2 rem) and 2nd year (0.5 rem) **impact** areas. Initial thoughts are unrestricted re-entry (temporary stay times) in the 2nd year PAG zones, and in accordance with Japanese guidelines for the area exceeding 1st year PAG dose levels (approximately 0.25 mR/h at the edges). US individuals re-entering would be encouraged to register with the US embassy and be provided with a radiation safety guidance document and procedures for rinsing any slightly contaminated surfaces when exiting (hands, shoes, vehicles, etc, as a matter of good practice).
- Return within the 50 mile EPZ continues to be somewhat influenced, although by decreasing degrees, by the potential for any subsequent release. As low dose levels become a matter of exposure to deposition only, then return criteria can be confirmed and become aligned with the Japanese guidance.
- Restricted intake of contaminated foods in the vicinity is expected to be part of the guidance provided. **As time progresses the ingestion pathway is an issue that will move towards the forefront.**
- US Navy Installations indicated that a tropical storm is anticipated for May 11 and May 12. They requested information on what the NRC anticipates could be the typhoon's affects on solid and liquid contaminated material in the Daiichi region. This was sent to the line organization.

**LT Overview and Priorities**

- Work has begun to summarize re-entry guidance in terms of the EPA 1st year (2 rem) and 2nd year (0.5 rem) **impact** areas. Initial thoughts are unrestricted re-entry (temporary stay times) in the 2nd year PAG zones, and in accordance with Japanese guidelines for the area exceeding 1st year PAG dose levels (approximately 0.25 mR/h at the edges). US individuals re-entering would be encouraged to register with the US embassy and be provided with a radiation safety guidance document and procedures for rinsing any slightly contaminated surfaces when exiting (hands, shoes, vehicles, etc, as a matter of good practice).
- Return within the 50 mile EPZ continues to be somewhat influenced, although by decreasing degrees, by the potential for any subsequent release. As low dose levels become a matter of exposure to deposition only, then return criteria can be confirmed and become aligned with the Japanese guidance.
- Restricted intake of contaminated foods in the vicinity is expected to be part of the guidance provided. **As time progresses the ingestion pathway is an issue that will move towards the forefront.**
- US Navy Installations indicated that a tropical storm is anticipated for May 11 and May 12. They requested information on what the NRC anticipates could be the typhoon's affects on solid and liquid contaminated material in the Daiichi region. This was sent to the line organization.

DS/22



May 10, 2011

1500 EDT

**One-Pager - Fukushima Daiichi****ET Overview and Priorities**

- Plant and fuel pool conditions are generally static. See RST Overview below for specific changes.
- NRC (OCFO/OIP) took over funding for NRC Japan Site Team (JST) from USAID.
- Site Team priorities: (1) water management; (2) erratic instrumentation behavior; and (3) decay heat removal.

**RST Overview and Priorities**

- Unit 3 temperatures are decreasing according to a status report received by the JST at approximately 2100 EDT on 5/9/11. TEPCO is maintaining injection flow at approximately 9 m<sup>3</sup>/hr (39.6 gpm) and is planning to move the injection flow path to the feedwater line in the next week or so.
- The JST provided a translation of the 33-page Japanese hydrology analysis along with comments from Dr. Onishi of PNNL. The translation was forwarded to the NRC HQ hydrologists (Cady, Nicholson, and VonTill) for review during the night shift on 5/10/11. The JST requested a conference call with the NRC HQ hydrologists and Dr. Onishi to discuss feedback from the NRC hydrology experts. Per the JST request, RST scheduled this call for 1815 EDT on 5/10/11. The JST also requested the NRC HQ hydrologists develop a list of resources in the U.S. (to be coordinated with the Industry Consortium, which will be facilitated by the LT) with experience in ground water control and buried piping leakage to send to the JST by this Friday, 5/13/11.
- The daily 0300 EDT call with the RST and JST will be changed to a 0800 EDT call on Tuesdays and Thursdays, with the next call being held on Thursday, 5/12/11. The recurring call list was updated accordingly.
- The JST developed draft responses to the Senate questions from Brian Holian. RST forwarded the draft responses to Brian Holian and HQ response team staff. The draft was also forwarded to OCA for their information.

**PMT Overview and Priorities**

- The PMT has drafted a paragraph to be approved and provided to DOS to clear the freeway and train routes from Tokyo to Sendai for unlimited US citizen travel. Transitory doses appear to be in the order of 40-100 urem per trip, much lower than a transcontinental US flight (2-5 mrem).
- Work has begun to summarize re-entry guidance in terms of the EPA 1st year (2 rem) and 2nd year (0.5 rem) impacted areas. Initial thoughts are unrestricted re-entry (temporary stay times) in the 2nd year PAG zones, and in accordance with Japanese guidelines for the area exceeding 1st year PAG dose levels (approximately 0.25 mR/h at the edges). US individuals re-entering would be encouraged to register with the US embassy and be provided with a radiation safety guidance document and procedures for rinsing any slightly contaminated surfaces when exiting (hands, shoes, vehicles, etc, as a matter of good practice).
- Return within the 50 mile EPZ continues to be somewhat influenced, although by decreasing degrees, by the potential for any subsequent release. As low dose levels become a matter of exposure to deposition only (and negligible component from re-suspension), then return criteria can be firmed up and ideally become closer aligned with the Japanese guidance. Restricted intake of contaminated foods in the vicinity is expected to be part of the guidance provided.

**LT Overview and Priorities**

- All U.S. NRC Status Updates are accessible on the Japan SharePoint page at <http://nsir-ops.nrc.gov/>.
- The next Industry Consortium (supplies) call is scheduled for Thursday, 5/12/11, at 2000 EDT. The U.S. Embassy in Japan has the lead for updating the associated Request Matrix.
- OPA and the ET Director (Webber) approved the press guidance on the topic of the NRC involvement in the decision to close the nuclear power plants in Hamaoka on the 5/9/11 dayshift.
- Received translated hydrology report from the Japan Team; forwarded to RST and the team of NRC hydrology experts. A conference call is planned for 8am EST on Wednesday, May 11.
- OIP is preparing talking points for Chuck Casto for a Friday morning meeting with several Japanese Deputy Prime Ministers. Kathryn Brock has prepared draft bullets related to protective measures issues. OIP will be providing additional input.

DS/23



May 12, 2011

1500 EDT

**One-Pager - Fukushima Daiichi****ET Overview and Priorities**

- Plant and fuel pool conditions are generally static with exception of continued temperature fluctuations on 1F3.
- JST issue priorities: (1) water management (including hydrology); (2) erratic instrumentation behavior; and (3) decay heat removal.
- JST unit priorities remain: (1) 1F1, (2) 1F3, and (3) 1F2.
- Three JST members (C. Casto, H. Peterson, and F. Young) will be traveling to the Fukushima area today (5/12/11). Casto and Peterson will visit the Fukushima Daiichi site and Young will travel as far as J-village.

**RST Overview and Priorities**

- The JST indicated that the Unit 3 temperatures have been decreasing and the team will continue to monitor those trends.
- NRC staff sent a perspective paper to the Japan Site Team for recommendations on hydrology to TEPCO. JST plans to provide the information to NISA sometime Friday.
- Pat Hiland requested Japanese SBO requirements from the JST (task tracker 5260). JST agreed to respond by 0700 Japan Time, Thursday, May 19. ~~ET put this on hold until further notice.~~
- JST requested RST to coordinate the availability of NRC staff (R. Way and S. Ali) to support reviews of structural integrity of 1F3 and 1F4 reactor buildings. ~~Per JST, staff won't work on U3 until NISA clarifies what it needs and sends information to support the review. Staff will perform a cursory review of the video regarding U4 "leaning". But JST will ask NISA/TEPCO for more information on the issue.~~
- The consortium calls are now combined with a call with JST and RST at 0800 EDT on Tuesdays and Thursdays. The 1830 EDT RST call will continue daily as scheduled.
- RST has received a question from NR regarding the stability criteria in the composite document. At the same time, PMT has asked RST for input regarding stability to support a decision whether to allow U.S. research vessels within 50 miles of Fukushima Daiichi.

**PMT Overview and Priorities**

- The PMT conducted an interagency (NRC, DOE, CDC, EPA, DOS, FDA) telcon on the draft-paragraph to be provided to DOS to clear the freeway and train routes from Tokyo to Sendai for unlimited US citizen travel. Transitory doses are estimated to be in the order of 20 urem per trip, much lower than a transcontinental US flight (2-5 mrem). The group made minor edits and the final paragraph is being forwarded as a recommendation to DOS. A draft NRC Press Release has also been prepared in support of the DOS travel advisory.
- PMT (Kathy Brock) is working an outstanding issue (b)(5) regarding an analysis to allow ships and vessels inside the 50-mi evacuation area that extends ocean-side.
- The Department of State provided updated information on the number of US citizens known initially within the 50 mile evacuation zone, and who were affected by the evacuation recommendation. There were less than 300 US citizens known to live within the 50 mile radius around Fukushima.
- Work has begun to summarize re-entry guidance in terms of the EPA 1st year (2 rem) and 2nd year (0.5 rem) impact areas. Initial thoughts are unrestricted re-entry (temporary stay times) in the 2nd year PAG zones, and in accordance with Japanese guidelines for the area exceeding 1st year PAG dose levels (approximately 0.25 mR/h at the edges). US individuals re-entering would be encouraged to register with the US embassy and be provided with a radiation safety guidance document and procedures for rinsing any slightly contaminated surfaces when exiting (hands, shoes, vehicles, etc, as a matter of good practice).
- Restricted intake of contaminated foods in the vicinity is expected to be part of the guidance provided. As time progresses the ingestion pathway is an issue that will move towards the forefront.

**LT Overview and Priorities [No Changes]**

- All U.S. NRC Status Updates are accessible on the Japan SharePoint page at <http://nsir-ops.nrc.gov/>.
- The next Industry Consortium (supplies) call is scheduled for Thursday, 5/12/11, at 2000 EDT. The U.S. Embassy in Japan has the lead for updating the associated Request Matrix.
- OCA has determined that no action is necessary in response to the Senate EPW staffer's email (b)(5)

DS/24



May 13, 2011

0700 EDT

**One-Pager - Fukushima Daiichi****ET Overview and Priorities**

- Plant and fuel pool conditions are generally static with exception of continued temperature fluctuations on 1F3. DOE SITREP released yesterday morning noted media reports that TEPCO has revealed that water does not appear to be collecting inside 1F1 reactor vessel, although vessel bottom temperatures remain stable.
- JST issue priorities: (1) water management (including hydrology); (2) erratic instrumentation behavior; and (3) decay heat removal.
- JST unit priorities remain: (1) 1F1, (2) 1F3, and (3) 1F2.
- Three JST members (C. Casto, H. Peterson, and F. Young) traveled to the Fukushima area yesterday (5/12/2011). C. Casto will be traveling home today (Friday/Japan) for a planned 10 day stay, including visit to HQ, before returning to Japan.

**RST Overview and Priorities**

- JST plans to provide the hydrology information to NISA sometime Friday.
- The JST has requested NRC HQ to determine whether or not today's 1830 EDT RST call needs to be held. Dave Skeen tasked Rob Taylor to determine if there are any urgent issues that need to be discussed, and if not to inform the JST on the 0800 EDT call today that the next call with them could take place at 0800 EDT on Monday.
- Pat Hiland's request to JST on Japan's SBO requirements has been put on hold until further notice.
- JST requested RST to coordinate the availability of NRC staff (R. Way and S. Ali) to support reviews of structural integrity of 1F3 and 1F4 reactor buildings. This item (5277) has been closed based on JST request and information obtained from Chuck Casto site visit.
- RST has received a question from NR regarding the stability criteria in the composite document. At the same time, PMT has asked RST for input regarding stability to support a decision whether to allow U.S. research vessels within 50 miles of Fukushima Daiichi. No tasks have yet been generated as a result of these interactions (see second PMT item below).

**PMT Overview and Priorities**

- Kathy Brock reported yesterday afternoon that interagency agreement (DOS, EPA, CDC, USDA, OSTP, FDA, NR, DOE/NNSA, NRC) was reached on a paragraph to be provided to the Department of State to clear the freeway and train routes from Tokyo to Sendai (Tohoku highway and Shinkansen railway) for unlimited US citizen travel. The final paragraph will be forwarded as a recommendation to DOS (Heather Dresser) after the Chairman discusses it with the Ambassador this morning. A draft NRC Press Release has also been prepared (OPA/Holly Harrington) and will be released in close coordination with the release of the DOS travel advisory.
- PMT (Kathy Brock) is working an issue (b)(5) regarding an analysis to allow ships and vessels inside the 50-mi evacuation area that extends ocean-side.
- Work has begun to summarize re-entry guidance in terms of the EPA 1st year (2 rem) and 2nd year (0.5 rem) impact areas.
- Restricted intake of contaminated foods in the vicinity is expected to be part of the guidance provided. As time progresses the ingestion pathway is an issue that will move toward the forefront. Japan Team PMT visited the National Institute of Public Health and got good information on Japan's processes for sampling and reporting radioactivity in food and water – team was comfortable with processes. Planned to meet with fisheries national institute Thursday (5/13 in Japan) to get similar information on sampling seafood.

**LT Overview and Priorities [No Changes]**

- All U.S. NRC Status Updates are accessible on the Japan SharePoint page at <http://nsir-ops.nrc.gov/>.
- Facilitated Industry Consortium (supplies call resulting in positive communication and update of the associated Request Matrix. US Embassy in Japan recommending new battle rhythm to just once a week call tentatively scheduled for Wednesday, 2000 (EST).
- OCA has determined that no action is necessary in response to the Senate EPW staffer's email, (b)(5)

(b)(5)

DS/25