

23:56, March 13, 2011 Sunday: Iwate prefectural government contact told Sapporo Consulate General that one Amcjet JET was missing: Dickson Montgomery who was assigned in Rikuzen Hakata, a small town on the Iwate coast.

23:55, March 13, 2011 Sunday: State Dept. Task Force asks that offers from the U.S. private sector to assist with relief efforts be forwarded to OFDA at the following email: rmtfactsu_elc@ofda.gov. Please copy the State Dept. Task Force ("zTask Force 1 Mailbox" in the GAL) for their situational awareness.

23:41, March 13, 2011 Sunday: A Washington-based American Airlines executive reports that he is contacting the FAA and the NSC regarding the power plant situation. All of its flights to/from Tokyo (except Los Angeles) fly over the affected area, therefore AA has "heightened concern."

23:20, March 13, 2011 Sunday: According to NHK News, TEPCO reports that the pumping system for sending water to reactors #1, #2, and #4 of Fukushima Nuclear Power Plant #2 (Daini) is not working due to tsunami damage, and the cooling system is therefore not functioning. NHK reports that TEPCO will change the pumping system monitors of each unit sometime in the early morning hours.

23:15, March 13, 2011 Sunday: NHK reports that not all traffic lights have power generators, according to the police. During the rolling black-outs, policemen will be directing traffic, but not at all intersections. During the blackout period, the police are discouraging the use of cars and motorcycles. If you must drive them, they recommend to driving slowly and cautiously in those areas.

22:35, March 13, 2011 Sunday: Jiji.com reports that the Japanese Self Defense Force (SDF) has rescued 6,500 people on the March 13 alone and that 9,700 people were rescued since the earthquake hit. US carrier Ronald Reagan also joined the rescue efforts in the afternoon on the 13th. The number of SDF rescue forces will increase from the current 50,000 to 100,000 people within a week.

22:35, March 13, 2011 Sunday: Asahi has announced the schedule (Japanese only for now) for rolling black-outs starting tomorrow at 6:20AM. We believe that no black-out is planned for central Tokyo. See the link: <http://www.asahi.com/national/update/0313/TKY201103130277.html>

22:16, March 13, 2011 Sunday: NHK reported that President Shimizu of Tokyo Electric Power Company (TEPCO) said at a press conference at 8:30 pm that TEPCO is considering using seawater to cool off the reactor Unit #2 of Fukushima Daiichi Nuclear Power Plant.

22:15, March 13, 2011 Sunday: According to Jiji press reports, Fukushima prefecture will start radiation exposure screening at all evacuation stations, hopefully as early as the 15th. The prefectural requested more instruments and staff to measure radiation from the central government. They are planning to establish 80 teams of investigators to check for radiation exposure. There are about 470 or 480 evacuation stations in the prefecture. The teams will visit all of those sites and conduct screening for those who request it.

22:00, March 13, 2011, Sunday: Mike Daschbach, Andrew Ou, and Eriko Marks assume duty at Joint Task Force.

21:44, March 13, 2011, Sunday: According to Yahoo Japan, TEPCO announced it was getting ready to flood Fukushima NPP No. 1, reactor No. 2 with sea water to help cool it down. This brings to three the number of reactors TEPCO is trying to cool using sea water (NPP No. 1, Reactors No. 1, 2 and 3).

21:41, March 13, 2011, Sunday: According to Yahoo Japan, 1,710,000 households are still without power, and an additional 440,000 households were without gas service. Power and gas companies were distributing portable kerosene burners and cans of kerosene at evacuation facilities.

21:39, March 13, 2011, Sunday: According to Mainichi, 1,500 are dead and 340,000 are displaced. Most of the unaccounted for are from the towns of Minami-Sanriku in Miyagi Prefecture (10,000 unaccounted, total population 17,000) and Otsuchi in Iwate Prefecture (10,000 unaccounted, total population 16,000).

21:38, March 13, 2011, Sunday: According to Reuters, France recommended its citizens leave the Tokyo region of Japan on Sunday, citing the risk of further earthquakes and uncertainty about the situation at its damaged NPPs. "It seems reasonable to advise those who do not have a particular reason to stay in the Tokyo region to leave the Kanto (Tokyo) region for a few days," a statement on the French embassy website in Japan said. "We strongly advise our nationals not to travel to Japan and we strongly recommend delaying any voyage planned," it added.

21:22, March 13, 2011, Sunday: According to Kyodo news, TEPCO announced that radiation released from the NPPs will NOT affect humans.

21:20, March 13, 2011, Sunday: According to Kyodo news, TEPCO will avoid rolling blackouts in central Tokyo.

21:09, March 13, 2011, Sunday: Both Alan Remick from Department of Energy (DOE) and Joe Hughart from Health and Human Services (HHS) have arrived at the Hotel (b)(6) and will be heading over to the Ministry of Foreign Affairs (MOFA) shortly for meetings with their Nuclear and Industrial Safety Agency (NISA) counterparts. MOFA Nuclear Division's Kazumi Yamada confirmed she shared the seven questions from DOE with NISA this evening, ahead of the planned meeting.

21:00, March 13, 2011, Sunday: According to Manichi, the DPJ and LDP have agreed to reconvene the Diet after a "natural break" from March 14-18 (there was a call for a formal break in Diet activity, defined by resolution). Among the top issues on the Diet agenda are the possible need for emergency legislation permitting a short-term tax increase to pay for the costs of recovery operations, as well as other measures to temporarily increase GOJ revenue and a three-month extension of the tax cut package scheduled to expire in March.

21:00, March 13, 2011, Sunday: According to Manichi, Japanese company executives are expressing concern that the rolling blackouts scheduled to begin on March 14 may seriously affect many industries, possibly including such "lifeline" services as supermarkets. Automobile companies such as Honda and Suzuki which have factories in the Kanto area are also likely to be heavily affected. Large department stores such as Mitsukoshi are also considering temporarily closing their stores, as they will not be able to depend upon generator power for such long periods.

21:00, March 13, 2011, Sunday: According to Yahoo News, Tohoku Power Company (covering North-East Japan) announced that it will not be conducting rolling black-outs on March 14.

20:41, March 13, 2011, Sunday: According to NHK news, TEPCO announced that as a result of the damage to both nuclear and conventional power plants, starting at 06:00 on March 14 until 22:00, TEPCO will institute three hour rolling black outs among the five "zones" under its control. As March 13 is not a work day, many factories were not in operation, as such, rolling blackouts were not necessary.

With the resumption of the workweek, however, during the peak usage of 18:00-19:00, TEPCO expects a demand of 41 million kilowatts. Depending on the electricity demand and the state of efforts to restore power production capacity, the blackout plan could continue even after March 15. This is the first time TEPCO has implemented a "blackout plan" since it was founded in 1951. Separately, according to Kyodo news, TEPCO may allow for rolling blackouts until the end of April 2011.

20:33, March 13, 2011, Sunday: GOJ spokesman Yukio Edano said he has urged Japanese ministries and offices abroad to actively provide information about Friday's earthquake and ensuing tsunami to foreign nationals in and outside Japan. The Prime Minister's Office (Kantei) has set up a website <http://www.kantei.go.jp/foreign/index-e.html> where users may access the latest quake-related information and GOJ official statements. Foreign Press spokesman Noriyuki Shikata is also regularly posting updates on his Twitter account, @norishikata.

20:15, March 13, 2011, Sunday: Rough translation summary of Prime Minister Kan's 19:50 press conference:

- Many power plants have been damaged, leading to a difficult power situation in all of northern Japan, including Tokyo. The two main power companies are working to resolve the situation, but there is not enough power. In order to avoid large-scale power outages, which would lead to great social and economic damage and could affect gas, water, and medical infrastructure, I (Kan) have allowed for rolling power outages starting on March 14.
- Thanks to the efforts of all, including the Japan Self-Defense Force (JSDF) and the National Police Agency (NPA), over 12,000 have been rescued. Over 50,000 JSDF have been dispatched, with plans for 100,000. 2,500 police and 1,100 fire department personnel have been sent to localities, as well as over 200 specialized search and rescue personnel.
- Various taskforces are being set up, and there may be a need for new legislation to respond to the crisis.
- Food, water, and blankets are a priority, and the various methods of transport for these necessities are being secured.
- Kan characterized the crisis as the worst crisis since World War II.

20:15, March 13, 2011, Sunday: Rough translation summary of CCS Edano's 19:50 press conference:

- Regarding Fukushima reactor No. 3, the water level has apparently stopped rising despite the continued pumping of sea water. When asked, he acknowledged that this could be a result of faulty gauges, but that in any case, the fuel rods could still be in an exposed state. He continued that work is continuing to fix the valve mechanism and to release some of the pressure in the reactor, and that there have been no changes in the radiation level. Overall, he cautiously concluded that although there is still a possibility of an explosion similar to the reactor No. 1 explosion, the situation, "might be slightly better than yesterday."
- When asked about the possibility of raising the consumption tax, Edano said that all possibilities to respond to the crisis are being considered, but that the GOJ is not at a stage to discuss

specific measures. Edano also said that the GOJ may need to work with the Liberal Democratic Party (LDP) for changes to the legislative framework.

- Edano said that 10,000 people are missing in Miyagi, with searches continuing from the air.
- Edano said that there are problems getting enough food to coastal areas (most likely referring to the most directly affected areas), and that this is a high priority.
- Confirmed the planned power outages.

20:15, March 13, 2011, Sunday: Department of Energy (DOE) nuclear expert Alvin Remick has arrived in Tokyo and is headed to the Ministry of Foreign Affairs (MOFA) to join a 21:15 meeting with his Nuclear and Industrial Safety Agency (NISA) counterparts.

20:00, March 13, 2011, Sunday: Prime Minister Kan is currently holding a press conference, an overview of the statements will be provided in the next update.

19:58, March 13, 2011, Sunday: From the U.S. Consulate in Sapporo, two AMCITs in Sendai reported that an announcement was made that persons in the area should seek immediate shelter because a radiation cloud from the damaged nuclear reactors was approaching. There is currently no further information on what Japanese government organization made the announcement.

19:47, March 13, 2011, Sunday: French Political Counselor (Remi Lambert) attended a meeting of European Union (EU) country representatives at 15:00 this afternoon. There was much discussion of possible next steps but NO decision from other member countries to follow the German lead to authorize the departure of dependents and non-essential staff (Lambert had not spoken with his Ambassador, however, since returning from the meeting). Many EU countries representatives called for calm and urged caution in deciding on future steps, with some countries, such as the United Kingdom representative, arguing there was no need for staff or citizen evacuations from the Tokyo area at the present time. (Some argued that Germany was in a "special situation" due to several factors, including the vehemence and scare tactics of its anti-nuclear media.)

19:45, March 13, 2011, Sunday: Mission Japan Emergency Command Center (JECC) will go live at 08:30, March 14 JST (1930 March 13, EDT) and will supersede previous contact information for Embassy Tokyo's 24-hour response. This does not change Embassy Consular Center or its contact information and is a parallel structure. We will send this information to OPS formally and in final form on March 15. We are providing this in advance so that OPS is aware of the impending change.

19:28, March 13, 2011, Sunday: Reactor Situation Overview – According to Yomiuri news, after the "Great East Japan Earthquake," all 11 reactors at the Fukushima and Onnagawa NPPs (both in the heaviest hit region) were automatically shutdown. Out of the 11 reactors, only 3 reactors (Fukushima reactor No. 3 and Onnagawa reactor Nos. 1 and 3) were shut down in "Low Temperature Mode," meaning that the reactor temperatures were under 100 degrees Celsius with pressure at atmospheric levels. Efforts to cool down the other reactors are ongoing.

19:20, March 13, 2011, Sunday: 1,000 Confirmed Dead; 310,000 Displaced - According the National Police Agency, the number of confirmed dead from the earthquake and tsunami has passed 1,000 and is

expected to continue to rise. So far, at least 3,300 houses have been found completely destroyed, with another 21,000 partially or mostly destroyed.

18:58, March 13, 2011, Sunday: The Japan Meteorological Agency said there is a 70% chance of an aftershock of Magnitude 7 or greater occurring before the afternoon of March 16, with a 50% chance of such an aftershock between March 16 and March 19, according to Asahi.com. An increase in 0.2 in magnitude means that the amount of energy released in the earthquake is doubled, which makes the energy released in the earthquake 45 times stronger than the Kanto earthquake of 1923 and 1450 times stronger than the 95 Hanshin quake.

18:39, March 13, 2011, Sunday: According to NHK, TEPCO reported a partial meltdown may have begun in reactor No. 3 at the Fukushima NPP No. 1, as indicated by the presence of cesium in the atmosphere. According to TEPCO, the level of sea water in reactor No. 3 was low between approximately 1:00 PM and 3:00 PM, leaving two meters of the fuel rods exposed and causing a build-up of hydrogen gas. TEPCO is considering actions to reduce the hydrogen buildup and maintain the water level in the reactor.

18:36, March 13, 2011, Sunday: Minister Katayama told press the GOJ is considering delaying unified local elections (scheduled for next month) in areas affected by the earthquake and tsunami. Nagoya Consulate reported Nagoya City elections are proceeding as planned today.

18:35, March 13, 2011, Sunday: According to Kyodo news, Democratic Party of Japan (DPJ) and the Liberal Democratic Party (LDP) to discuss tax hike to secure funds for quake relief.

18:30, March 13, 2011, Sunday: Japan Meteorological Agency Press Conference - Although the tsunami warnings have been lifted as of 17:55, this does not mean that all wave activities have ceased. The Meteorological Agency advised residents to continue to exercise caution in coastal areas. In the case of another after-shock with a magnitude over 7, especially if the epicenter is off the coast, tsunami warnings are likely to be renewed.

18:30, March 13, 2011, Sunday: The GOJ lifted all tsunami warnings at 17:55.

18:30, March 13, 2011, Sunday: Consulate Nagoya reported all employees on the Boeing 787 team have been accounted for and operations are normal. To the Consulates best knowledge, all 3,000 or so Amcits in the Consular District are safe and accounted for.

18:24, March 13, 2011, Sunday: A Delta Airlines manager told us that Delta is "back to almost normal schedule."

18:18, March 13, 2011, Sunday: German Embassy on Voluntary Departure - According to German Political Counselor (Heike Fuller), the German Embassy has moved to voluntary departure at German government expense for Embassy families and non-essential Embassy personnel. According to Ms. Fuller, most if not all families who are eligible are availing themselves of this offer. The German school is closed all next week; many German business people have already departed. A German team is headed to the Sendai/Tome area soon to help with rescue/welfare and whereabouts. Germany has 80-100 nationals in the wider, immediately affected area.

18:12, March 13, 2011, Sunday: DART Teams Arrive - MOFA confirmed 150 members of two Disaster Assistance Response Teams (DARTs) from USAID arrived at Misawa Air Base in Aomori Prefecture on their way to conduct rescue operations in Ofunato, a severely damaged coastal city in neighboring Iwate Prefecture. The U.S. squads, with six rescue dogs each, will work with Tokyo Fire Department rescue workers, the ministry said.

18:04, March 13, 2011, Sunday: Media reported that, due to the appearance of several cases of radiation exposure amongst evacuees from the 20 km zone around Fukushima No. 1 Nuclear Power Plant (NPP), the Fukushima Prefectural Government has decided to check/screen/frisk ALL evacuees for radiation exposure. The Prefectural Government has asked the GOJ for assistance to screen the large number of evacuees spread-out over about 480 evacuation facilities/areas.

17:51, March 13, 2011, Sunday: Onnagawa Reactor Stable - NHK reported the high radiation levels previously detected at the Onnagawa Reactor, located about 100km northeast of the Fukushima Plant #1, may have been a result of radiation from the Fukushima reactors. According to Tohoku Power, the Onnagawa Reactors were shut down automatically after the earthquake and remained at a stable temperature. In addition, the levels of radiation measured from detectors located in the waste outlets of the Onnagawa Reactors are quite low - 5.7 micro Sv, or about 1/10th the amount usually received during a chest x-ray.

30 More People Found with Radiation Exposure - Yahoo News Japan reports that 30 more people have been found with possible exposure to radiation, including 19 workers evacuated by helicopter from a hospital in Fukushima Prefecture, 9 people evacuated by bus from the same town, and 2 officials who were dispatched to monitor radiation levels in Niigata Prefecture. Approximately 100 people had been evacuated by bus from Fukushima, but only a portion were scanned for radiation, raising the possibility that the number of people potentially exposed to radiation could increase.

17:51, March 13, 2011, Sunday: The outgoing USARJ liaison officer to the JGSDF Northeast Army (NEA) in Sendai stated there is a dwindling availability of food and water, absence of utilities, absence of CBRNE capability in the NEA, and signs of structural damage in downtown Sendai (i.e. vulnerability to aftershocks, need for more construction engineering assets).

17:46, March 13, 2011, Sunday: Defense Minister Kitazawa, General Field, General Oriki, and Embassy's Political Minister Counselor Luke are slated to fly up to Sendai on Monday (March 14) to mark the inauguration of the Disaster Relief Joint Task Forces Headquarters, at the Northeastern Army Headquarters in Sendai. They also plan to get an aerial view of some of the disaster hit areas in the region.

17:42, March 13, 2011, Sunday: Update on coverage of USFJ response:

- Media reported that helicopters from NAF Atsugi are headed for Rikuzen-takada City in Iwate Prefecture to start transporting over 640 displaced/stranded persons to hospitals and/or proper shelter facilities
- TV News showed footage of the USS RONALD REAGAN on-scene and explained food delivery ops had begun with JMSDF helicopter & JS TOKIWA. the news analyst mentioned that the RONALD REAGAN was diverted from its original course en route the Middle East.

- Media covered the movements/intentions of USS BLUE RIDGE (from Singapore), USS ESSEX (with USMC from Okinawa), USS TORTUGA (after picking up heavy-lift helos from ROK), USS COWPENS, USS JOHN S. MCCAIN, and other ships.
- The tone of the commentary was that these actions show the U.S. seriously cares and is putting great effort in the ops to help Japanese.

17:26, March 13, 2011, Sunday: Mitsubishi and Suzuki will be closing all of their car factories on March 14 and 15. Although their factories in Aichi, Gifu, and Okayama were not damaged, their supply lines from NE Japan were affected. Sony announced it will send 30,000 radios to affected areas as well as 300,000,000 yen (about \$3.6 million) in aid.

17:00, March 13, 2011, Sunday: Rough translation summary of CCS Edano's 17:00 press conference:

- In response to the high possibility of power shortages after March 14, the GOJ is creating a new Office of Energy Needs, which will be headed by DPJ Diet Member Renho.
- Volunteer work will be coordinated through a new Volunteer Coordination Office, which will be headed by Diet member Kiyomi Sujimoto. Edano remarked that Sujimoto is well qualified for his role due to his personal experience in the great Kansai Earthquake.
- Edano pledged to increase efforts to ensure that foreigners living in Japan will get the latest news.
- A second meeting to assess the economic effects of the earthquake will be held starting in the afternoon of March 13th, to run until the evening.

17:00, March 13, 2011, Sunday: Kyodo news misreported, as covered in our 15:39 report, Edano's statement regarding a hydrogen blast at the No. 3 reactor. There was NOT a blast at the No. 3 reactor. Edano stated that there was only the possibility of a blast at the No. 3 reactor, similar to the blast seen at the No. 1 reactor.

16:57, March 13, 2011, Sunday: The Commercial 767 flight carrying Urban Search and Rescue (USAR) personnel has landed in Misawa at 0622z. USA 2 (a cargo flight) has arrived via DoD C-17 in Misawa at 0005z. USA 1 (a cargo flight) departed Andrews Air Force Base in a DoD C-17 and is currently airborne. DoD is reporting an updated estimated arrival time of 13 March 1438z (Local time in Japan 2338). An aerial refueling is scheduled for this flight, which will help shorten their flight time.

16:45, March 13, 2011, Sunday: CCS Edano is currently holding a press conference, an overview of the statement will be provided in the next update.

16:25, March 13, 2011, Sunday: Local media reported that two USN helicopters, operating from USS RONALD REAGAN, are working with JMSDF to deliver 30,000 meals to Kesenuma Town, Miyagi Prefecture. Meals are aboard JMSDF AOE, JS TOKIWA, and USN & JMSDF helos are doing round-robin flights to get the large amount of food ashore.

16:19, March 13, 2011, Sunday: GOJ spokesman Chief Cabinet Secretary Edano reported that TEPCO began pumping sea water into the No. 3 reactor at Fukushima #1 Power Plant (as they began doing Saturday night in the No. 1 reactor). He added that an explosion, like the one that occurred in the No. 1 reactor on Saturday, was possible but said the reactor container could resist such a blast and a meltdown is not expected.

16:02, March 13, 2011, Sunday: According to NHK news, Miyagi Police Headquarters representative Naoto Takeuchi announced the death toll in Miyagi Prefecture will almost certainly reach 10,000. Takeuchi said that as of the afternoon of March 13, Miyagi officials had taken in 379 bodies.

1547, March 13, 2011, Sunday: According to Kyodo news, a U.S. rescue team arrived at Misawa base in Aomori.

1542, March 13, 2011, Sunday: The following are the latest bullets from the Bilateral Joint Ops Coordination Center:

- Japan Air Staff Office - Takada City 640 persons need evacuation, approved by Joint Staff Office J3 for USFJ execute SAR mission from Atsugi with 8 helicopters H-60
- USS Ronald Reagan has rescued someone and is aboard ship...awaiting details
- Joint Staff Office reports helos from Reagan have done 20 missions to/fm Japanese ships and delivered food and supplies to 3 different towns
- At Yokota 3 Helicopters H60 standing by for mission assignment
- More forces flowing in to Marine Corps Base Iwakuni

1539, March 13, 2011, Sunday: According to Kyodo news, CCS Edano announced in a press conference that a hydrogen blast possibly occurred at the No. 3 reactor of Fukushima number one NPP. Edano reported that part of the No. 3 reactor could be deformed but claimed it is not in a meltdown situation. If an explosion occurs, said Edano, the No. 3 reactor can resist the explosion, as was the case when the No. 1 reactor exploded. Edano said if such an explosion occurs there would be no detrimental effect on evacuees.

1532, March 13, 2011, Sunday: According to TBS news, Tohoku-Denryoku reported that, as of 10am, there were close to 1,780,000 homes without power in all of Miyagi Prefecture and parts of Aomori, Iwate, and Fukushima. Moreover, there were nearly 270,000 homes without power, mostly in the Ibaraki Prefecture. Japan gas reported that 445,000 homes do not have a supply of gas.

1529, March 13, 2011, Sunday: According to Kyodo news, the current Diet session has been suspended.

1524, March 13, 2011, Sunday: According to Kyodo news, the opposition LDP has urged the Kan government to step up rescue efforts.

1520, March 13, 2011, Sunday: According to NHK news, METI Minister Kaieda implored citizens to conserve energy due to the diminished power supply caused by the shutdown of several nuclear power plants after Friday's earthquake. He has consulted with business groups, including Keidanren, to minimize industrial usage of electricity. Kaieda asked the public to refrain from using energy as much as possible, including for heating and lighting at night. If these measures prove insufficient, the government may have to resort to rolling power shutdowns.

1516, March 13, 2011, Sunday: According to TBS news, radiation measured at 21 micro Sv per hour was detected at Onagawa nuclear power plant in Miyagi Prefecture, which is 400 times the normal radiation level. However, the radiation measurement at the exhaust tower was normal, and therefore, it is expected to be caused by the Fukushima plant. According to NHK, Tohoku Electric Power Company denied it was caused by Onagawa NPP and explained that all three reactors at Onagawa were already cooled and shut down safely.

1511, March 13, 2011, Sunday: American Airlines has informed the Embassy that it would like to continue service to Japan but the lack of information is causing AA to "seriously reconsider" whether to suspend service.

1510, March 13, 2011, Sunday: According to Sankei news, the National Police Agency announced that there were 801 deceased, 733 missing, and 1,442 seriously injured.

1457, March 13, 2011, Sunday: According to Kyodo news, there was radioactivity measured at 400x normal level observed in Miyagi.

1448, March 13, 2011, Sunday: According to Sankei news, NISA announced today that there were approximately 160 people exposed to radiation around the Fukushima Daiichi nuclear power plant. All of the individuals are expected to be tested.

1432, March 13, 2011, Sunday: According to Kyodo news, METI Minister Kaieda will hold a press conference at 15:00.

1432, March 13, 2011, Sunday: According to Jiji News Service, the Bank of Japan on Monday, March 14 is expected to provide a several trillion yen short-term cash infusion to stabilize financial markets. The stock market plummeted in the aftermath of the earthquake, and financial turmoil is expected to continue in the short-term. Banks are undertaking special measures to provide cash to account holders. The BOJ is expected to continue its zero interest rate policy.

1418, March 13, 2011, Sunday: According to Kyodo news, police reported that the number of people dead or missing exceeded two thousand, while the death toll neared 800. There were close to 1,167 people missing in Fukushima Prefecture and approximately 600 deceased in the Iwate and Miyagi Prefectures. Local officials said that local governments are unable to contact tens of thousands of people, and at least 20,820 buildings have been at least partially destroyed in the quake-hit areas. Twenty two people have been exposed to radiation near the Fukushima number one plant. In Iwate Prefecture (north of Miyagi), nearly five thousand homes had been submerged by the tsunami, and the local office reported that only 5,900 of 23,000 people had taken shelter. Japan's Maritime Self Defense Force reported early Sunday sightings of wood fires at seven locations in Miyako.

1414, March 13, 2011, Sunday: According to Kyodo news, PM Kan is discussing the nuclear plant crisis with the head of TEPCO.

1410, March 13, 2011, Sunday: According to Kyodo news, a radiation monitor was set up in Ibaraki Prefecture (south of Fukushima Prefecture), and there are no abnormal readings thus far.

Correction to the 13:00 report : According to Kyodo news, the number of people deceased or unaccounted for exceeded 2,000, according to policy, and the official death toll neared 700. In Fukushima Prefecture, there were 1,167 people missing and over 600 dead in Fukushima and Miyagi prefectures. (Earlier report incorrectly stated Miyazaki rather than Miyagi Prefecture.)

1405, March 13, 2011, Sunday: According to Kyodo news, PM Kan asked Toshiba Corporation to send experts to assist with the nuclear plant crisis.

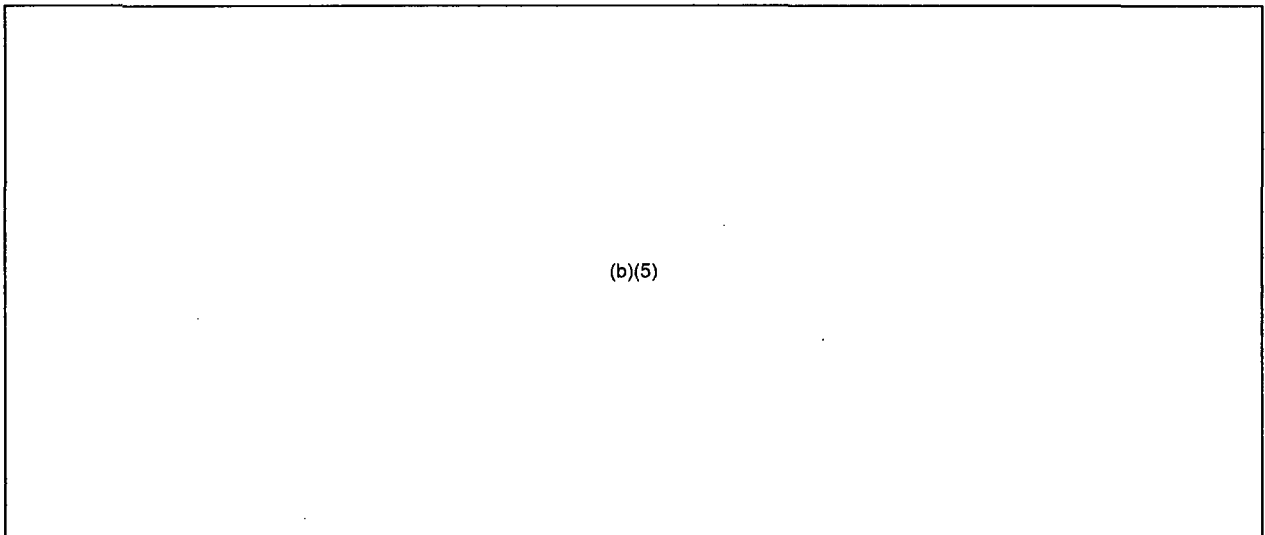
1403, March 13, 2011, Sunday: According to Sankei news, PM Kan will meet with LDP leader Tanigaki to discuss how to address the unfolding situation.

1403, March 13, 2011, Sunday: According to Kyodo news, the local elections in April in the quake-hit region will be postponed.

1402, March 13, 2011, Sunday: According to Kyodo news, the U.S. aircraft carrier Ronald Reagan is arriving off the coast of Northeast Japan to assist in relief operations in cooperation with Japan Self Defense Forces.

1350, March 13, 2011, Sunday: According to TBS news, TEPCO reported that the cooling system has not been functioning at Fukushima's #2 reactor. TEPCO will begin to emit steam that contains slight radiation from the container vessel to reduce the pressure, although the timing has not been specified. All operating reactors from #1 to #3 of Fukushima number one NPP are having the same problems.

1347, March 13, 2011, Sunday: DCM comments based on a conversation with DCCS Kawai:



1342, March 13, 2011, Sunday: According to TV Tokyo, there is limited water and helicopter rescues have been continuing since yesterday at Kesenuma City, Miyagi Prefecture.

1338, March 13, 2011, Sunday: According to MOFA, China's National Earthquake Bureau (rough translation) sent a team of 15 persons to conduct search and rescue operations. The team arrived at Haneda today at 12:30pm and is en route to Tokyo. Their final destination has not yet been determined. The PRC military is not involved; this is purely a civilian operation at this point. MOFA indicated that an official announcement will post on MOFA's homepage soon.

1335, March 13, 2011, Sunday: According to TBS news, Germany and Switzerland sent rescue teams that will be arriving at Narita airport at an unspecified time. China and the United Kingdom also sent assistance teams.

1334, March 13, 2011, Sunday: According to TV Tokyo, there is no water, electricity or food in Rikuzen-Takata, Iwate Prefecture. People have begun cutting down trees for heat and food. Several buildings

sheltering refugees were flooded causing many deaths. The Ground Self Defense Force is now on site for rescue operations.

1332, March 13, 2011, Sunday: According to NHK news, the following are conditions at Aomori Prefecture: Casualty reports in Aomori Prefecture are limited to three dead and one missing in Hachinohe (on the Pacific coast) as a result of tsunamis; all four are Japanese nationals. Toll roads are open within the prefecture but not going south into Iwate or Akita Prefectures. There are 42,000 households without power in Misawa and Hachinohe. There are 1,300 households without gas in Hachinohe. NTT reports no restrictions on phone use, but many circuits are overloaded due to heavy call volume.

1259, March 13, 2011, Sunday: According to Yomiuri news, approximately 10,000 residents of Minami Sanriku in Miyagi Prefecture remain missing. In Iwate Prefecture, the mayor of Otsuchi said that more than 10,000 residents also remain missing. Many of the residents of Yamada with a population of 19,000 in Miyagi are missing. In Fukushima Prefecture, the number of missing has risen to 1,167.

1232, March 13, 2011, Sunday: Official message from Ambassador Roos to American Citizens in Japan: "The U.S. Government is communicating closely with the Japanese Government on events as they unfold. We have and will continue to mobilize all appropriate resources. The U.S. Government and all necessary experts are fully engaged in analyzing the issues, including the Fukushima reactor issues, in close consultation with the Japanese Government. We are committed to providing you with all necessary information as we receive it. There is no double standard – what we advise our Embassy personnel will be provided to all Americans.

Please understand that there will continue to be substantial misinformation in the public. We urge American citizens in Japan to follow the instructions of Japanese civil defense authorities. The Japan Nuclear Industrial Safety Agency (NISA) has recommended that people who live within 20 kilometers of the Fukushima Nuclear Power Plant in Okumacho evacuate the area immediately. No other evacuations have been recommended."

1223, March 13, 2011, Sunday: According to Nippon TV, Japan Meteorological Agency changed the magnitude of the earthquake from M8.8 to M9.0.

1215, March 13, 2011, Sunday: According to Kyodo news, the number of people deceased or unaccounted for exceeded 2,000, according to police, and the official death toll neared 700. In Fukushima Prefecture, there were 1,167 people missing and over 600 dead in Fukushima and Miyazaki prefectures. Moreover, local governments are unable to contact tens of thousands of people, according to police and local officials. In Miyagi, close to 4,400 people remained trapped as of Saturday night in schools, hospitals, and hotels in the towns of Onagawa and Ishinomaki, as well as at the Onagawa nuclear plant. Nearly 10,000 people in Minamisanriku remain unaccounted for. PM Kan issued an instruction to double the number of Self-Defense Force personnel in the quake areas to 100,000. The government issued a decree late Saturday designating the disaster eligible for increased state subsidies for reconstruction.

1205, March 13, 2011, Sunday: According to TBS news at 1200, the Fukushima Government reported that 22 people had been affected by radiation from Fukushima number one nuclear power plant. The Fukushima Government has requested that the central government dispatch experts on decontamination.

1155, March 13, 2011, Sunday According to Kyodo news, TEPCO notified Japan's nuclear safety agency that the radiation level at the Fukushima No. 1 nuclear power plant exceeded the legal limit and that hourly radiation at the site was measured at 882 micro sievert, in excess of the allowable level of 500. The agency also said the company acknowledged that the No. 3 lost its cooling functions, while 19 people at a nearby hospital were found to have been exposed to radioactivity, in addition to three cases of exposure recorded Saturday. The utility supplier notified the government early Sunday morning that the reactor had lost the ability to cool the reactor core. The reactor is now in the process of releasing radioactive steam, according to top government spokesman Yukio Edano. It was the sixth reactor overall at the Fukushima No. 1 and No. 2 plants to undergo cooling. The government and nuclear authorities said there was no damage to the steel container housing the troubled No. 1 reactor, noting that the blast occurred as vapor from the container turned into hydrogen and mixed with outside oxygen.

1138, March 13, 2011, Sunday According to NHK, the following are conditions in Miyagi Prefecture: NHK local bureau reported lists of medical facilities and schools/community centers where water is available in Sendai, as well as bank branches that will open on Sunday to allow limited cash withdrawals up to 100,000 yen. Local fire department rescue efforts continued through the Saturday night/Sunday morning, including by boat and helicopter, with a focus on people stranded at Sendai airport and on the roofs of buildings in flooded communities.

1138, March 13, 2011, Sunday According to NHK, the following are conditions in Iwate Prefecture: Tohoku Electric Power reported 500,000 households with no power, but supply is gradually being restored to Morioka, Hanamaki and other inland population centers. 750,000 households are without water in inland Iwate. All commercial flights to Hanamaki Airport in southern Iwate are cancelled, but the airport will be used for relief efforts. Toll road highways are restricted to emergency vehicles only.

1136, March 13, 2011, Sunday Chief Cabinet Secretary Edano announced at a press conference at 1100 that a cooling water supply system was out of order at the number three reactor at Fukushima's number one nuclear power plant, and the water level in the container vessel was becoming lower. It is expected that a nuclear fuel rod had been exposed. The safety valve of the vessel opened as of 0905 and water started was injected into the vessel with boracic acid. TEPCO started at 0920 to emit water vapor which contains slight radiation from the container vessel. TEPCO monitors the radioactive level of the environment. The level of the gate at 05:30 has been shifted such as 44.6 microSv, 37.0 at 6:00, 1204.9 at 8:23, 76.9 at 9:20, 70.3 at 9:30. Kyodo press also reported, based on Edano's press announcement, that the radiation level at Fukushima plant briefly reached 1,204 micro sievert. The level is not stable, but the emission of contaminated air is under control and not expected to be a health risk. The GOJ will organize in cooperation with local governments to establish stations to assess radiation levels for residents.

1129, March 13, 2011, Sunday As of Saturday at 2051, Japan Railway Bureau Security (MIKAMI) reports that with the exception of the tsunami affected area, rail and metro service are generally back in service.

1123, March 13, 2011, Sunday According to NHK, TEPCO announced at 10:50 that the level of radiation surpassed the legal limit at Fukushima's number one reactor and submitted to the government an emergency alert at 9:01am. According to NHK, TEPCO assesses that the process of removing air from the pressurized containers of the reactors that lost their cooling functions led to the increase in the level of radiation.

1109, March 13, 2011, Sunday According to NHK, NISA reported as of Sunday 10:00 that the number three reactor lost all of its cooling function and is in a "critical state," as are the plant's first and second reactors. NISA reported it has yet to confirm whether or not the process of pouring water into the reactor has taken place. Regarding the number one reactor, the process of pouring sea water into the reactor is almost complete, but NISA inspectors need to perform an on-site inspection to determine if that is the case.

1100, March 13, 2011, Sunday According to NHK, the Japanese government rates the accident at the Fukushima Number One nuclear power plant at a level 4 on an international scale of 0 to 7. A level 4 on the International Nuclear and Radiological Event Scale includes damage to fuel and release of significant quantities of radioactive material within an installation. It's the same level as a critical accident at a nuclear fuel processing plant in Tokai Village in Ibaraki Prefecture, south of Fukushima, in 1999. Two radioactive substances, cesium and radioactive iodine, were detected near the Number One reactor at the plant on Saturday. Their presence indicates nuclear fission of uranium. NISA said that fuel in the reactor partially melted. It's the first such accident in Japan.

1050, March 13, 2011, Sunday As of 12 March at 2042, all morning flights at Narita are scheduled to depart on-time or with slight delays as they try to accommodate as many passengers as possible. Flights are also arriving into Narita as well with just a small handful of delays which were scheduled to arrive last night. As of right now only AA176 to DFW @ 1200 has been cancelled and as far as I know there are no extra flights being added to accommodate extra passengers. So far the evening flights are scheduled to depart at or around the scheduled times. According to the Haneda airport website, flights are departing with the two morning US departures being slightly delayed. The evening flights appear to be scheduled to depart on-time.

1042, March 13, 2011, Sunday According to Kyoto news, Chinese emergency response team expected to arrive in Japan on Sunday afternoon.

1037, March 13, 2011, Sunday According to Kyoto news, TEPCO announced that radiation levels exceeded the legal limit at Fukushima's number one reactor.

1026, March 13, 2011, Sunday According to NHK news, there was a 6.4 earthquake (Japanese standard) off the coast of Ibaraki.

1000, March 13, 2011, Sunday According to a NISA press conference, the number one reactor at Fukushima is not in a "serious situation" and the number three reactor should be controlled, providing the necessary steps are taken.

1000, March 13, 2011, Sunday Jason Lawrence and Jeremy Mears have assumed charge at Tokyo Task Force. Direct all email to them vice Lee and Ryan as of 1000.

0950, March 13, 2011, Sunday According to NHK news, CGS Edano announced in his press conference at 0800 that a total of 210,000 living in the areas surrounding nuclear reactors one and two are in the process of being evacuated.

0945 TV Tokyo called, stating that they were aware of a U.S. rescue going to Sendai and wanted to accompany the team to video their efforts. The call was directed to Lori Schumaker in PAS.

0943 Phone call from Mark Dieker from Fukuoka Consulate, presenting use of aircraft from Futenma that has landed at Iwakuni. Dieker will send an email and contact POL-MIL. Tokyo Task Force also informed POL-MIL duty officer.

0940 According to multiple news reports, Defense Minister Kitazawa said he is increasing the number of Self-Defense Forces dispatched to assist in the rescue effort to 100,000 and will visit the disaster area along with SDF Chief Orike.

0904 Chief Cabinet Secretary Edano conducted an interview with NKH. During the interview (rough translation), he called for cooperation and assistance from the private sector, especially for medical and tracking assistance. He noted that it was too early to forecast how long the evacuation in the area surrounding Fukushima plant would take. He commented on funding for the disaster relief, in the medium and long term, a supplemental budget would be necessary. In the current budget, there is approximately 200 billion yen (approximately \$2.5 billion USD) available, but they also needed to allocate money in next year's budget for the efforts. Edano pledged to send temporary shelters to whoever needed them. Regarding the plan to unify local elections, Edano said that they will likely be postponed, but such a postponement cannot be decided upon unilaterally by the ruling party and asked for the cooperation of all parties.

0844 According to Nikkei online, the Japanese National Police Agency reported 689 dead in 12 prefectures included Iwate, Fukushima, Miyagi, Ibaraki, Chiba, Tokyo and others. 639 people are still missing in 6 prefectures. 1,570 people are injured.

0837 The U.S. Nuclear Regulatory Commission (NRC) is dispatching two individuals to join a rescue team in Japan, potentially the DART team, to arrive at Misawa on 13 March. The NRC team will be forward deploying radiation detection equipment, although the Japanese government has not clarified whether or not it will need them. The USFJ has requested that the NRC team be put in touch with J3 and J2 upon their arrival.

0830 According to a Kyodo news advisory on their English-language website, another nuclear reactor is in the process of releasing radioactive steam, according to Chief Cabinet Secretary Edano.

0810 Chief Cabinet Secretary Edano conducted a press conference, reporting (approximate translation) that they completed the process of filling Fukushima Number One with sea water but have not been able to confirm that the temperature was lowered. Edano added that 9 citizens in the vicinity of the site were exposed to radiation, 5 of which had been exposed to radiation under 1800 cpm and the remaining 4 had been exposed above 1800 cpm, to include one individual who was exposed at approximately 40,000 cpm. In addition, 114 citizens are still within 10 kilometers of the nuclear site, consisting of incapacitated individuals at hospitals. Approximately 180,000 people who were within 10-12 kilometers of the site are being evacuated.

0804 A conference call concluded at 0644 between the OPS CENTER, ACS Chief Bill Christopher, ECON Chief Mark Wall, DHS, NRC, CBP, TSA, HHS, EAP/J and others. The purpose of the conference call was to come up with advice to Americans for a travel alert. There will be a follow-up conference call to discuss advice that can be given to Americans in Japan, those wanting to travel to Japan, and to airlines. ACS chief reported that the 4 GE employees and the rest of that group were surveyed and found NOT contaminated. DOS confirmed that they were NOT on the no fly list.

0756 According to a Kyodo news advisory on their English-language website, 15 people near the Fukushima Power Plant have been exposed to radiation.

0737 According to Jiji Press, the Meteorological Agency lowered the tsunami warning in Aomori, Fukushima and Iwate Prefectures by one level.

0729 The National Police Agency reported official statistics of 688 deaths, 1570 injuries, and 642 missing persons in 12 prefectures in Tohoku and Kanto region, according to Sankei news.

0656 According to Sankei Online, NISA reports that up to 160 people may have been exposed to radiation from Fukushima Number One Power Plant. All 160 people will be tested for radiation exposure.

0639 According to NHK online news (approximate translation), at approximately 0600, reactor III at Fukushima reported a state of emergency. TEPCO said that the equipment sending water to the reactor had stopped and that they have been unable to send water via another method. TEPCO declared a state of emergency based on the special measures law on nuclear disaster counter-measures. This was the 6th reactor for which they have issued this state of emergency as a result of the earthquake.

0625 Luis Mendez from Task Force-I at the State Department, asked for an update on GE employees. Embassy Task Force contacted Tim Cipullo, who only had a brief email update from consular about the employees. Task Force contacted Richard Roberts who indicated that Bill Christopher was on a conference call at the moment with Washington and would address the issue directly with them.

0620 According to a 0530 article on Jiji news, the government announced a Cabinet decision designating the earthquake as a severe disaster. In doing so, the government will be able to allocate funds directly to disaster relief in the affected areas.

0610 Embassy Task Force received a call from Heather Dresser of EAP/J requesting an Embassy Econ Officer participate in a conference call immediately regarding the nuclear issue. Embassy Task Force contacted Mark Wall at home and given the call-in information for the conference call.

0600 According to an online NHK report (approximate translation), disaster relief teams from South Korea and Singapore arrived in Japan on 12 March. On the morning of the 13th, U.S. disaster relief teams were also expected to arrive at Misawa base in Aomori prefecture in addition to the U.S. military sending nuclear aircraft carrier Ronald Reagan and other vessels to the disaster area and will assist them by providing supplies using helicopters and landing craft. As of the 12 March, a 40-person German search and rescue team had departed. The United Kingdom had also dispatched a 63-person search and rescue team and dogs on the evening of the 12 March. France announced that they are sending 2 teams which were expected to depart for Japan on the 12th as well. China also indicated they would send a 10-person rescue team to Japan. The United Nations decided to dispatch a disaster evaluation and

coordination team which would arrive after 13 March. Russian President Putin held a ministerial meeting and expressed Russia's desire to assist Japan, given that it was a regional partner, and instructed that they begin to make preparations to begin increasing the supply of LNG to Japan, as reported previously below.

0545 At a press conference broadcast in Japanese that began at approximately 0540, NISA's representative said that they completed the initial stages of pumping sea water into the containment vessels of the reactor to stabilize the situation, although additional cooling efforts still remain. In addition, they have vented additional elements of the reactor to release pressure.

0543 The Japanese Ministry of Foreign Affairs (MOFA) invited local diplomatic missions at 1139 on 12 March to attend a briefing on the Fukushima Daiichi Nuclear Power Plant, presented by Mr. Makio Miyagawa, Director-General, Disarmament, Non-Proliferation and Science Department, Ministry of Foreign Affairs, on 13th March 2011 at 1000 at MOFA.

0456 According to Kyodo news, Russia will boost natural gas shipments to Japan if requested by Tokyo. Russian Deputy Prime Minister Igor Sechin announced that Russia can send up to 150,000 tons of LNG to Japan.

0454 NHK TV reports that they continue to pump sea water into the reactor.

0445 Kyodo News reports that nuclear agency officials said the severity of the radioactive leak this time is around the same level as a 1999 accident at a nuclear fuel processing plant run by JCO Co. in Tokaimura, Ibaraki Prefecture, in which a nuclear fission chain reaction could not be contained for nearly a full day.

0430 According to Nihon television news, NISA indicated that 3 citizens have been exposed to radiation, having been tested with survey monitors. In addition, 50-100 people who were evacuating the area may also have been exposed to radiation and are being tested.

0400 According to NHK (informal translation), the Ministry of International Trade and Industry (METI) Nuclear and Industrial Safety Agency (NISA) announced that the accident at Fukushima Number One Power Plant is a "level 4," which was as bad as the accident which occurred 12 years ago at Tokaimura, Ibaraki Prefecture.

0400 Jerome Ryan and Ti-Ying Lee have assumed charge at Tokyo Task Force. Direct all email to them vice Hotz as of 0415

0351 Kyodo News reports Japan's nuclear safety agency admitted the reactor had partially melted—the first such case in Japan

0345 Consular Reports CA-Task Force will convene a conference call including Tokyo Cons/Econ participation to discuss Fukushima issue. Timing of the call will depend on resolution of a question that has arisen regarding potentially contaminated GE employees and whether the possibility of contamination may have place them on no-fly list. CA Task Force is addressing resolution of that issue.

0320 Consular Team to Sendai : A four-person (2 Conoff, 2 LES Consular Specialists) Embassy Tokyo Consular away team will depart for Sendai March 1. Expected departure planned for noon. Final departure time contingent on milair lift arrangements. Embassy vehicle support will meet team there.

0315 South Korean rescue team arrives at Haneda: A South Korean rescue team has arrived at Tokyo's Haneda Airport. It is the first foreign assistance since the strongest ever earthquake hit Japan's northeast. A team of 5 South Koreans and 2 rescue dogs belonging to Korea's National Emergency Management Agency arrived at Haneda Airport on a civilian flight shortly before 3PM on Saturday. State Secretary for Foreign Affairs, Chiaki Takahashi, received the team at the arrival lobby, and shook hands with the members. Takahashi said he is grateful to President Lee Myung Bak, and asked members to take care, as aftershocks are continuing in the affected areas. The leader of the rescue dog team said they are a small but experienced unit, having worked in Indonesia and Haiti after they were hit by major earthquakes. He said the team will do its best. More units may be dispatched from South Korea, depending on the situation (Source: NHK)

0300, March 13, 2011, Sunday

0225 Sea water used for cooling down the reactor (NHK Report)

The Tokyo Electric Power Company is using sea water as an emergency coolant in its quake-damaged reactor at Fukushima Number One Power Plant. The massive earthquake on Friday caused a breakdown of cooling systems that could cause temperatures in the reactor to rise to uncontrollable levels. Chief Cabinet Secretary Yukio Edano disclosed on Saturday that the company is pouring sea water into the containment vessel of the reactor. Sea water is readily available as the plant is close to the sea. Edano said the company is mixing boric acid with the water to help absorb neutrons to slow nuclear fission. Edano added that government's Nuclear and Industrial Safety Agency has endorsed the procedure. Self-Defense Force troops, who are actually in charge of the cooling process, are using pump trucks and other methods to inject the sea water. They say the work started on Saturday evening will be completed on early Sunday.

Sunday, March 13, 2011 01:03 +0900 (JST)

0215 Ibaragi Prefecture (next to Fukushima prefecture) announced it has 552,000 iodine tablets in stock and is coordinating with the Ministry of Economy, Trade and Industry (METI) on the possible distribution in Fukushima.

(Source: Sankei)

0200, March 13, 2011, Sunday

0140 The Urban Search and Rescue (USAR) Teams arriving in Japan will also be accompanied by five journalists from three US media organizations. The organizations are noted below. The Public Affairs Officer herding the media is Chief Dave Stone. His contact number is (b)(6) and his US mobile number is (b)(6). (He believes this number will work in Japan. Names/affiliations of the journalists coming with the USAR team: CBS - Whitney DeHart, AFP - Nicholas Kamm, CNN - Brian Todd, CNN - Dugald McConnell, CNN - Douglas Schantz (ABC dropped out at the last second but will be working to meet up with the USAR teams in the field.)

0130 Seawater Cooling Efforts at Fukushima No 1 – At a press conference beginning at approximately, 0130 March 13, NISA states that sea water cooling efforts at Fukushima No 1 are continuing. Gist (not formal translation) is that pressure inside the reactor is down; radiation did not rise; appears more stable. The four workers injured in the turbine explosion earlier in the day are still being treated.

0100, March 13, 2011, Sunday

0045 USAID Press Release

US Search and Rescue Teams Depart for Japan

WASHINGTON, D.C. – At the request of the Government of Japan, the U.S. Agency for International Development (USAID) has deployed Urban Search and Rescue (USAR) teams from Fairfax County and Los Angeles County to assist in the rescue effort in the aftermath of the earthquake and tsunami in Japan.

The USAR team from Fairfax County has now departed Washington, DC via commercially chartered aircraft. The flight will stop in Los Angeles to meet that rescue team and then continue on to Japan. The U.S. rescue teams, comprised of approximately 150 personnel and 12 canines trained to detect live victims, are scheduled to arrive on the morning of March 13 in Misawa, Japan. Upon arrival, the teams will immediately begin the search for live victims alongside the Japanese and international search and rescue teams.

USAID's Disaster Assistance Response Team (DART) is already in Japan and working to coordinate the overall U.S. Government response effort. USAID will continue to provide additional support to the Government of Japan as needed.

For more information about USAID's emergency humanitarian assistance programs, please visit: www.usaid.gov.

0040 JR (Japan Railroad) lines announced the cancellations for several bullet train lines (shinkansen) and regular lines for March 13 - Tokoku Shinkansen, Yamagata Shinkansen, Akita shinkansen, Mito line, Nikko line, Toriyama line, Narita line, Kashima line.

2330 International Atomic Energy Agency (IAEA) says that Japanese government plans to distribute stable iodine, a treatment to prevent radiation poisoning, to residents near the Fukushima No 1 and No 2 nuclear power plants

(Source CNN)

2315 NHK is reporting that efforts to cool the No 1 reactor at Fukushima with seawater are expected to be completed at 0100 local time, March 14. (1100 hrs, EST, March 13)

2250 Kan vows to protect residents: Prime Minister Naoto Kan says he will do his utmost to safeguard the health of residents near the unstable Fukushima No.1 nuclear power plant. At a news conference on Saturday, Kan said unexpectedly powerful tsunami waves interfered with the operation of back-up systems when the plant's operations were halted. The prime minister said he had decided to

expand the evacuation area around the nuclear plant from 10-kilometer radius to a 20-kilometer radius. Kan added he would take all necessary measures and do his utmost to keep residents from harm.

(Source: NHK)

2245 Fukushima No 1 Summary from Tokyo LES Staff: At a press conference at 9:30 pm, CCS Edano said that there was no damage in a container vessel at No.1 reactor of Fukushima Np.1 NPP. REPCO started to use seawater to cool No. 1 reactor although the reactor may get damaged.

2220 Transportation Update: According to regular Tokyo American Airlines contacts report diverted aircraft from yesterday's operations either have or are landing at NRT this evening. Only two of American's usual 6 daily flights are in operation with both are departing from NRT in the 2000 hour. At present, American expects to be back to normal with Monday's flight operations.

Operational update as follows:

AA 61 DFW NRT (Sapporo Diversion) arrived at NRT 1837
AA 169 LAX NRT (Sapporo Diversion) arrived at NRT 2000
AA 175 DFWNRT (Osaka Diversion) arrived at NRT 1839
AA 153 ORDNRT (ANC Diversion) arrived at NRT 2050
AA 135 JFKHND (ANC Diversion) arrived at HND 1919
AA 167 JFKNRT (Yokota / HND Diversion) arrived at NRT 2055

The following flights departed NRT tonight (Sat 12 March):

AA 60 NRTDFW ETD: 2010
AA168 NRTJFK ETD: 2000

Tomorrow (Sunday 13 March) we are planning to operate the following schedule:

AA 134 HND JFK ETD: 064
AA 154 NRT ORD ETD: 1805
AA 60 NRT DFW ETD: 1805
AA 170 NRT LAX ETD: 1600

The only cancellation will be AA 176 NRT DFW due to no equipment at NRT.

There are still approx 5,000 passengers stranded at NRT, however, the airport operations have stabilised and American expect this number to drop significantly by Monday. The biggest challenge that remains is transportation access to the airport with major highways still closed and public transportation limited although improving by the hour. American normalised operations by Monday or Tuesday at the latest.

2210, March 12, 2011, Saturday

2200 Ray Hotz (hotzre2@state.gov) assumes charge of Embassy Tokyo Sitrep Room (Daly Hall) until.

2155 Twitter tweets (in Japanese) report 3 persons have been exposed to radiation and that 90 will be tested by authorities.

2150 Transportation update - According regular Tokyo ECON contacts and Internet sites, both Haneda and Narita airports are open. While many flights to and from the United States have been canceled, some are proceeding (e.g., the Hawaiian Airlines flight from Honolulu to Haneda). It appears train service to and from the airports (but especially to Narita) is erratic. Concern regarding the situation at Fukushima Number One and Number Two Nuclear Power Stations overshadows that regarding other consequences of the earthquake and tsunami. The operator for the United/Continental flight to Sendai from Guam, the only U.S. airline serving Sendai, plans to reroute the flight to Narita, according to a Tokyo-based United Airlines source.

2145 Reuters report on Fukushima:

TOKYO (Reuters) - Tokyo Electric Power Co plans to fill a leaking reactor at the Fukushima Daiichi power plant with sea water to cool it down and reduce pressure in the unit, Japan's top government spokesman said on Saturday.

"The nuclear reactor is surrounded by a steel reactor container, which is then surrounded by a concrete building," Chief Cabinet Secretary Yukio Edano said.

"The concrete building collapsed. We found out that the reactor container inside didn't explode."

Japan earlier in the day warned of a meltdown at the reactor at the plant, damaged when a massive earthquake and tsunami struck the northeast coast, but said the risk of radiation contamination was small.

"We've confirmed that the reactor container was not damaged. The explosion didn't occur inside the reactor container. As such there was no large amount of radiation leakage outside," he said.

"At this point, there has been no major change to the level of radiation leakage outside (from before and after the explosion), so we'd like everyone to respond calmly," Edano said.

"We've decided to fill the reactor container with sea water. Trade minister Kaieda has instructed us to do so. By doing this, we will use boric acid to prevent criticality."

Edano said it would take about five to 10 hours to fill the reactor core with sea water and around 10 days to complete the process.

Edano said due to the falling level of cooling water, hydrogen was generated and that leaked to the space between the building and the container and the explosion happened when the hydrogen mixed with oxygen there.

2140 Youtube now carries the 8:40 p.m. press conference by CCS Edano:
<http://www.youtube.com/watch?v=qd0bvBhZvKo>

2119 SITREP #1 (TOKYO 766) Sent. Attached separately

2118 Japan Self Defense Force Update in Hokkaido/Tohoku:

ConGen Sapporo contact at Japan Marine Self Defense Force liaison office in Northern Army Headquarters told me this evening about current movements of JSDF in Hokkaido. JGSDF 2nd Division (based in Asahikawa, Hokkaido) is sending their rescue teams to Iwate Prefecture three times from Mar. 12 (today) to Mar. 14. The teams will be sent through private-sector ferry from the port of Otaru. He normal destination of the ferry is Niigata, but JSDF requested to stop at Akita. The JGSDF 2nd Division's rescue teams will head towards JGSDF base in Iwate via road.

According to local media reports, JGSDF 7th Division (based in Chitose), 5th Brigade (in Obihiro) and 11th Brigade (in Sapporo) are now preparing to send rescue teams. Teams will be dispatched as needed.

2105, March 12, 2011, Saturday

2050 Key points from Press Statements of Prime Minister Kan Press C and Chief Cabinet Secretary Edano (very preliminary transcription of gist – not proofread for technical accuracy).

PM Kan highlighted the government's emphasis on rescue, noting he has asked Defense Minister to mobilize the Self-Defense Forces, for example. He appreciates POTUS and other offers of support. PM Kan did not get into substantive detail on the nuclear issue.

CCS Edano noted the explosion at Fukushima Number One Nuclear Power Station destroyed the structure outside of the reactor, not the reactor core. He attributed the explosion to oxygen outside the reactor structure. He also said that radiation levels outside were no higher after the explosion than before it. He noted authorities are attempting to cool the reactor core using chemicals and seawater.

2020 News channels report the downgrade in tsunami warning from "major" tsunami warning (Otsunami keiho) to regular tsunami warning (tsunami keiho).

2019 Iwate Prefecture conditions update:

CONGEN SAPPORO reached by cell phone a teacher in Ichinoseki, who reports her high school was damaged in the quake but there were no injuries. All services – electricity, water, gas – are non-operational everywhere in the town. There are long lines for food and water. She went by car today from Ichinoseki to Morioka, where her family lives. Her parents there lost electricity service, but not water or gas. Electricity has been restored just this evening to her parents' house, but is still out in most of the town. Morioka overall is in much better shape than Ichinoseki, but the train station is closed completely.

2018 Asahi News reports that TEPCO informed Fukushima Prefecture that its 10 posts to monitor radiation (location unspecified) are down. Fukushima Prefecture has its own monitoring posts and is collecting information using its own posts.

1930 Ambassador's Press Conference (statement delivered to press at auditorium, no Q/A)

**Ambassador John V. Roos
Statement to the Media
U.S. Embassy
March 12, 2011
Tokyo, Japan**

Good evening, everybody and thank you so much for being here tonight. Before I begin, I would just like to ask everyone to observe a moment of silence for the victims of this terrible tragedy.

This evening I am joined by some of the key members of my team: Lieutenant General Burt Field, Commander, U.S. Forces Japan; Captain Justin Cooper, our Defense Attaché here at the Embassy; John Beed, USAID Counselor; and, Consul General Paul Fitzgerald.

It goes without saying that we feel great sorrow, and our hearts go out to the people of Japan and to all of those who have been affected by the events of the last few days. Japan is our close ally and partner. President Obama spoke with Prime Minister Kan soon after the earthquake. On behalf of the American people, he conveyed our deepest condolences, especially to the victims and their families, and offered our Japanese friends whatever assistance is needed. I have been in constant contact with our government in Washington and the government here in Japan, including during this evolving situation with the Fukushima nuclear power plant. The United States is absolutely committed to helping Japan in any way possible to respond to and recover from the tragedy of the past few days and as Japan continues to deal with its effects.

Let me provide you with some information with regard to the current efforts of the United States.

First, let me take a moment to address American citizens here in Japan with regard to which we attach the highest priority. At this point, we have received no confirmed reports -- thank God -- of U.S. citizens killed or seriously injured. Our Embassy and our five consulates in Japan are working to obtain information on the status of all United States citizens and to provide assistance as necessary.

We know that many people are worried about the welfare of their friends and families who are here in Japan. We understand also that some telephone landlines have been interrupted. Of course, we are recommending that people continue to contact loved ones here in Japan by email, text, SMS message, or social media.

The State Department also has established a consular Task Force that will be responding to concerns about specific U.S. citizens in Japan. People may email the taskforce at japanemergencyusc@state.gov. And I'll repeat that, japanemergencyusc@state.gov.

Our consular officers in the Embassy and consulates have been responding around the clock to inquiries. This is something that they are trained to do very well, and all American citizens should feel free to utilize their services. They are also reaching out to the American citizen community, trying to push out information about what to do and what the Japanese authorities are also making available.

For additional information for American citizens in Japan, please check the State Department website (www.travel.state.gov). For information on the advisability of travel to Japan at this time, please continue to check the same website. The Embassy has also distributed to registered American citizens warden messages updating them on current conditions as we're able to obtain current information. The same information is being posted at our website. I am personally getting as much information out as possible on my Twitter account.

We urge American citizens in Japan to follow the instructions of Japanese civil defense authorities.

I'd like to talk a little bit now about the military assistance we are providing.

In response to Japanese government requests for assistance, U.S. military forces are mobilizing to conduct humanitarian assistance and disaster relief efforts throughout Japan. The Japan Self-Defense Forces are among the most prepared and capable in the world in dealing with a disaster response situation, and the U.S. military is prepared to augment their efforts with all available assets and equipment upon request.

Because of the longstanding and close working relationship between the U.S. military and its Japanese counterparts on a daily basis, the United States military has humanitarian assistance capabilities positioned in the affected regions that are ready to support emergency relief efforts and minimize human suffering.

U.S. military assets include a wide range of equipment, air, sea, and ground capability and expertise. Initial actions which have been undertaken by the U.S. military include the following:

Yokota Air Base was instrumental in recovering airline traffic in the hours immediately following the earthquake.

We immediately moved U.S. Air Force and Marine helicopter and transport aircraft from Okinawa to our U.S. military bases on Honshu.

The USS Ronald Reagan was heading east and was immediately turned around to support our efforts here in Japan. They arrive tonight.

We are moving Marine command and control units ready to work with Japan's Self-Defense Forces to coordinate our efforts on the ground.

We have units from all of our services, with a multitude of capabilities, from medical to communications to civil engineering poised and ready to support where needed.

The bottom line: our military is working closely with their Japanese counterparts to support where requested and needed.

The U.S. military's response, though, is part of a broader U.S. government support to Japan's request for humanitarian assistance. This effort includes coordination by the U.S. Department of State and the U.S. Agency for International Development, in constant consultation with Japanese authorities and the U.S. Pacific Command.

USAID immediately deployed a Disaster Assistance Response Team to Japan to respond to the humanitarian crisis in collaboration with the Government of Japan. In addition, USAID activated a Washington, D.C.-based Response Management Team to support the USAID/Disaster Assistance Response Team and coordinate the U.S. government humanitarian response. In accordance with a request from the Government of Japan, USAID mobilized and deployed two maximum level Urban Search and Rescue teams numbering more than 150 personnel. The teams have highly advanced capacities for providing hazardous material detection, emergency medical care, and water rescue assistance.

Finally, with regard to the Fukushima nuclear power plant specifically, our nuclear experts are directly in touch with Japanese experts, and we are offering our full assistance, in addition to our military and other assistance I just described, in any way we can with this ongoing situation.

The situation here in Japan is obviously still very fluid, and we are closely monitoring developments. We will of course update you as we learn more about the various aspects of this situation. But I want to be absolutely clear: the United States of America will support our close friend, our partner, and our ally in any way we can in the difficult days, weeks, and months ahead.

Thank you very much.

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20:10, March 12, 2011, Saturday

2008 NHK reports that a Hyper Rescue Team sent from Tokyo Fire Department decided not to go to Fukushima Number One Nuclear Power Station because an explosion has already occurred; their mission was to assist in cooling down the reactor at that station. The team is reportedly returning to Tokyo.

20:05 Toyota Corporation is suspending operations at all factories in Japan on Monday to check status of employees and their families, according to NHK news.

2000 GOJ and Fukushima Prefecture confirm area of evacuation for Fukushima Number Two Nuclear Power Station remains 10 km.

1950 GOJ and Fukushima Prefecture now ordering a night evacuation for all personnel in an area 20 KM radius around Fukushima Number One Nuclear Power Station, which photos show has no roof or walls (it is a skeleton only).

1950 Estimates of casualties: Newspaper Sankei Shimbun reported National Police Agency estimates of 621 dead; 645 missing.

According to earlier reports by the National Police Agency, the death toll as of 1700 was at 574 (12 prefectures in Tohoku and Kanto). Injured persons were at 1105. The police in Sendai have reported seeing 200 - 300 bodies from a distance but cannot get close enough to confirm or to retrieve the bodies. The number of victims by prefectures are as follows:

Hokkaido:1
Aomori: 3
Iwate: 232
Miyagi: 157
Fukushima: 144
Yamagata: 1
Tokyo: 4
Ibaragi: 15
Tochigi: 3
Gunma: 1
Chiba: 10
Kanagawa: 3

Damages to buildings are still difficult to assess in heavily struck areas such as Miyagi, Iwate and Aomori. Fully destroyed homes are reported as follows:

Fukushima: 2413
Ibaragi: 26

Yamagata: 36

Damages to roads are reported to be 307 roads in Ibaragi and 162 roads in Chiba.

Evacuation areas are reported as follows:

Iwate: 120 locations, 24,200 evacuees

Ibaragi: 420 locations, 58,300 evacuees

Aomori: 240 locations, 18,700 evacuees

Fukushima: 420 locations, 104,900 evacuees

Tochigi: 150 locations, 9,500 evacuees

Miyagi: The scope of evacuation status has not been achieved as of yet.

19:15, March 12, 2011, Saturday

1909 Fukushima Prefecture will expand areas of mandatory evacuation for both Fukushima Number One and Number Two Nuclear Power Stations from 10 km to 20 km, according NHK News.

1905 Translations of Edano and NISA Press conferences prepared by Tokyo PAS

Chief Cabinet Secretary Edano

5:45 p.m. live press conference

We have been informed that there has been some sort of explosion not in the reactor but in one of the buildings of the Fukushima No.1 nuclear plant. GOJ officials, including Prime Minister Kan and METI Minister Kaieda, are making utmost efforts to grasp, analyze, and respond to the situation there. We are receiving accurate information about the level of the radiation leak, and we will release the latest information after 6:00 p.m.

The current level of radiation is within the level that is assumed to be leaked when taking actions to control the reactor including cooling it and reducing the pressure inside it.

We are making utmost efforts to obtain accurate information about the situation.

We have issued an order for the evacuation of people within a radius of 10km rather than 3km.

We urge the entire nation to conserve energy against a potential energy shortage caused by earthquake-related damages.

The Nuclear and Industrial Safety Agency

6:00 p.m. live press conference

We are trying to confirm a report from TEPCO that there was the sound of an explosion and white smoke from the vicinity of a nuclear reactor building of the Fukushima No.1 nuclear plant at around 3:36 p.m. We will decide on our specific actions in response to this situation. However, we don't yet have any detailed information.

Q: News broadcasts apparently show that the reactor building has almost collapsed. Could you elaborate on that?

A: We need to collect more information to decide on further action.

Q: Is there a possibility that the reactor itself is seriously damaged?

A: We need to collect accurate information about the damage.

1900 MEDIA CLIPS COMPILED BY TOKYO PAS

Short takes from major dailies' evening editions (3/12/11)

Top headlines are as follows:

Northeastern coast devastated. (Asahi)

More than 1,200 killed or missing. Miyagi, Iwate coasts devastated. (Yomiuri)

Over 1,500 killed or missing. Gigantic tsunami leaves catastrophic damage. (Mainichi)

Tsunami damage enormous. (Nikkei)

More than 1,000 killed or missing. Sanriku coast devastated. Radiation leaks at nuclear plant in Fukushima. (Tokyo Shimbun)

U.S. to send 150-strong relief team

ASAHI (Page 5) (Abridged)
Eve., March 12, 2011

In the aftermath of yesterday's devastating earthquake that hit the eastern parts of Japan, a number of countries have expressed their condolences and are moving to extend a helping hand.

U.S. President Obama called Prime Minister Naoto Kan. In yesterday's press conference too, he said this tragedy is "heartbreaking" when asked about the eastern Japan earthquake. He said he was brought up in Hawaii and Japanese culture was close to his heart, and he stressed that the United States is ready to extend a helping hand to Japan.

The United States Agency for International Development (USAID) announced yesterday that it will send search and relief teams consisting of about 150 members, including firefighters.

U.S. dispatches naval ships with relief supplies onboard

MAINICHI (Page 4) (Full)
Eve., March 12, 2011

Kazuhiko Kusano, Yoso Furumoto

WASHINGTON—U.S. President Obama held a press conference yesterday at the White House, during which he said the massive earthquake off the coast of Japan's northeastern districts could become a catastrophic disaster. U.S. naval ships and relief teams are already on their way to the disaster-stricken areas. Obama said he called Prime Minister Naoto Kan and offered to carry out every possible measure to support Japan. Naval ships and relief teams are being already headed for the disaster-stricken areas, and the Obama administration is now ready to make all-out efforts with its military and civilian resources.

In the meantime, at the Japanese government's formal request, the U.S. military is making arrangements for a plan to implement humanitarian assistance activities with Japan. The U.S. military is expected to provide relief supplies and transport disaster-stricken people as its immediate mission.

According to the Pacific Fleet of the U.S. Navy, the USS Tortuga, a landing craft homeported at Sasebo, left port last night with heavy-lift helicopters onboard. The USS Blue Ridge, the 7th Fleet's flagship, now in Singapore, will also head for waters near the scene as soon as it is loaded with relief supplies.

U.S. in a hurry to make preparations for help

NIKKEI (Page 2) (Abridged)
Eve., March 12, 2011

Sachiko Deshimaru, Washington

In the aftermath of yesterday's massive earthquake that hit the eastern parts of Japan, the U.S. government is accelerating its preparations to extend assistance. The U.S. Department of Defense has revealed that the USS Ronald Reagan, a nuclear-powered aircraft carrier, is now heading for the east coast of Japan's mainland. U.S. President Obama held a press conference yesterday, during which he said the earthquake could become a catastrophic disaster and that the tragedy is heartbreaking. "I believe Japan will recover for sure," he said.

Matsumoto, Clinton hold talks

NIKKEI (Page 2) (Full)
Eve., March 12, 2011

Foreign Minister Takeaki Matsumoto held talks with U.S. Secretary of State Clinton over the telephone this morning. The telephone conference was held at the suggestion of the U.S. government. Concerning the massive earthquake that hit Japan's eastern districts yesterday, Clinton told Matsumoto that the United States is ready to take every possible measure of support, and she offered to keep in touch. Matsumoto expressed his gratitude, saying, "Our alliance [partner's] help is encouraging." They also confirmed that Japan and the United States will work together to deepen their bilateral alliance. Later in the day, the Foreign Ministry announced that as of today at 8 am, a total of 50 countries and areas, including the United States, have offered to help.

(11031202imbs)

1845 Conflicting weather forecasts makes predicting wind direction from Fukushima difficult.

Japan's Meteorological Agency predicts that wind from Fukushima on Sunday morning local time will blow from the West to East (i.e., out to sea), which would be very good news; for Sunday afternoon, it predicts from South to North (i.e., toward Sendai and away from Tokyo). It predicts the same for Monday. However, the wind direction forecast according to Weather News (a Japanese company), the prediction is from Southwest to Northeast for Sunday morning and from West to East (i.e., from land to sea) for Sunday afternoon and from SW to NE for Monday morning.

1810 NHK News reports Radiation Emergency Medical Assistance Team arrived 5 km from the areas of Fukushima Number One, and that two hospitals are ready to accept patients.

18:10, March 12, 2011, Saturday

1810 NISA Press conference gist:

TEPCO notified NISA that there was the sound of an explosion with vertical shaking at 1536 near the nuclear reactor number one building and turbine building of Fukushima Number One Nuclear Power Station. They do not have any information on the cause of this explosion. They are now gathering information. No comment on radiation so far.

1800 Conditions in Iwate Prefecture reported from ConGen Sapporo

Iwate Assembly member and longtime post contact gave following report on conditions in Iwate Prefecture: Ichinoseki is fine with minor damage, no deaths. Morioka (inland) is suffering from lack of electricity and some other lifeline damage, but is also okay as compared to the coastal area, where the damage will be 3-4 times of what is being reported now. Judging from the fact that a bridge is destroyed, he thinks that the Tsunami has to have been far higher than 10 meters. He is only hoping that JET and other Americans as well as other foreign residents in the area managed to catch Tsunami warning in time and evacuated. The local elections in prefectures on the Pacific side will be postponed by 2-3 months.

1755 Conditions in Sendai reported from ConGen Sapporo

CONGEN Sapporo LES received information from a contact in Sendai 1715. Water and gas supply continues, and she had just observed one side of Sendai Station lighting up, but the rest of downtown Sendai is in blackout condition, which means no heat for those with electric heat. Grocery and convenience stores were open to long lines of customers this morning but are now closed. People are in the streets looking for food. Rumors are circulating about food distribution. Information is coming into the city via battery operated radio. Smart phones are working but regular cell phones are not; it's possible to place and receive calls from Tokyo and even internationally but calls within Sendai are not going through.

1750 Chief Cabinet Secretary Yukio Edano said at a press briefing at 1750 that there has been some kind of explosion at Fukushima Number One Nuclear Power Station, although it has not been confirmed whether it involved a nuclear reactor or not. The GOJ will release the latest numbers regarding radiation after 1800. As for Fukushima Number Two Power Station, the authorities have expanded the

mandatory evacuation area from 3 km to 10 km, he said. Authorities are standing by with iodine to provide to local residents, he said.

1748 Fukuoka Update for Kyushu/Yamaguchi

1. Kitakyushu-based Star Flier Airline has cancelled 14 flights due to the closure of the Haneda Airport runway(s). SDF Western Army has decided to dispatch 5000 SDF members as well as 800 vehicles to Tohoku. The SDF 4th Division has already dispatched a team to Tohoku to investigate the level of damage. SDF Western Air Defense Force also sent 110 personnel from Tsuiki Base as well as from Kasuga Base.
2. Kyushu Electric Power has dispatched three nuclear power plant employees to Fukushima Nuclear Power Plant based on the cooperation treaty. Also, it has started to supply 150,000 kw electricity to Tokyo Electric Power from 00:00am on March 12.
3. Due to the earthquake off Tohoku, ferry boats, high speed boats and some fishing boats were forced to wait for berth assignment in Oita and Kagoshima. Some of the passengers in poor health condition were transported from ships to land by Coast Guard vessel.
4. 24 medical teams (119 people) with rescue experience and skill from six Kyushu prefectures departed for Tohoku on March 12 in three SDF airplanes. Also, two units of rescue teams from Fukuoka City and Kitakyushu City have been dispatched to Tohoku. Fukuoka Prefectural Government has begun preparations for receiving casualties from the earthquake. A "Doctor Heli" designed for transportation of the injured has already left for Tohoku as well.
5. In Miyazaki, 41,600 households were directed to evacuate to avoid Tsunami. In Miyazaki, a 1.6m high Tsunami was observed at 03:33am on March 12. Oita Prefectural Government also issued an evacuation order to 90,000 households.

1747 TSA Representative Tokyo has conducted full reporting to Transportation Security Operations Center, Washington, DC over the last 36 hours. Current reports from Japan Civil Aviation Bureau indicate that Sendai International Airport is totally closed, with approximately 1000 personnel stranded. Domestic airports Hanamaki and Ibaraki have suspended are service, but they are accepting arrivals.

Tokyo (Haneda) International Airport and Narita International Airport are fully operational, but are recovering from the backlog of flights and dealing with approximately 14,000 stranded passengers.

Commercial diversions to Yokota Air Base in the last 36 hours have reportedly been resolved with departures to final Japan destinations, but that information is not confirmed. TSAR Tokyo has requested DAO assistance in establishing liaison with Yokota Airfield Operations in order to evaluate commercial diversions and response in coordination with US Embassy ECON Transportation.

Railway service is still degraded, but recovering.

All Post personnel should contact TSAR Tokyo with any questions concerning transportation security related issues, or other related challenges.

1745, March 12, 2011, Saturday

Radiation detected: NHK TV reports that Fukushima Prefecture authorities have detected radiation on the grounds of Fukushima Number One Nuclear Power Station in the amount of 1015 microsievert. This is twice the level at which the government requires a power company to issue a notification to the

government. It is a level that, in one hour, can expose a person (under normal circumstances) to the equivalent of the maximum amount of radiation advised for one year.

Asahi TV reported that TEPCO said that an explosion reported below occurred at a turbine building not a reactor itself at 3:30. Four TEPCO employees were injured. Tokyo Fire Department has dispatched a "hyper rescue team" to Fukushima per Ministry of Internal Affairs and Communication's (MIC) request. NISA will have a press confereee after consultation with Kantei. Time has not been decided.

1710, March 12, 2011, Saturday

NHK reported at 1700 sounds of explosion and smoke at Fukushima Number One nuclear power station. Injuries are also reported by TEPCO.

SITREP re Fukushima nuclear power facilities to this point follows:

0900 Media reported the Fukushima nuclear plant #1 had begun venting steam from reactor #1 to reduce the pressure within the vessel. The Nuclear and Industrial Safety Agency (NISA) said the release of the low-level radioactive steam into the air did not pose a health risk to residents outside of the 10-kilometer evacuation area.

1200 Ambassador set up a call between DOE Deputy Secretary Poneman and Japan Atomic Energy Commission Chairman Shunsuke Kondo. DepSec Poneman provided the following readout:

Here are the notes from the call Amb Roos and I had with Chairman Kondo. I cannot comment on the technical aspects, but simply am relating what I heard:

Fundamental problem at Fukushima was that failure of backup diesel generators led to lack of power to pumps needed to send water through the core and, in the absence of a heat-sink, the reactor overheated. (BTW They do not wish to pump seawater into the suppression chamber.)

The most serious situation is at Unit 1. The radiation levels there have risen to the point where they believe that the coolant water level has dropped below the tops of the rods and the core is damaged. They are venting the pressure from Unit 1 to avoid a containment leak. They have sufficient water to add for the next 40 hours. Once they vent Unit 1, the additional coolant will heat up, thus building up the pressure again, which they will then need to vent again.

They have generators on site, but they cannot use them since they have no heat sinks either. So they are using batteries and power supply trucks instead.

Since the pressure and temperature are going down in the other units, they think the water flow is still effectively cooling those cores.

They view using seawater to cool the cores as a last resort.

I offered any kind of help we have available, e.g., engineers, equipment, etc. Kondo-son expressed his appreciation and said he would ask colleagues, but that as of now they have not identified any such needs. I told him to call me any time, 24/7, if they needed any support from us. We agreed to stay in touch.

* Chairman Kondo's full sitrep is at the bottom of this report.

1300 The Nuclear and Industrial Safety Agency (NISA) reported Cesium was detected near Fukushima Power Plant #1 and there is a possibility of a meltdown. Media began to carry reports to this effect.

1500 Ministry of Foreign Affairs (MOFA)'s Tamaura said MOFA got an official request from Nuclear and Industrial Safety Agency for assistance from USFJ to transfer cooling water to the Fukushima Plant.

1510 NHK reported the operation at Fukushima No.1 plant to lower pressure of the containment vessel was suspended due to high radiation levels were too high at one of the vales to open it. The operation was suspended because of the possibility that workers could be exposed to radiation.

1528 Media reported cesium has been detected around Unit #1, indicating a meltdown may have begun.

1535 USFJ, DOE, Pol-Mil, Econ, and Front Office held a conference call on the current situation at the Fukushima facilities and the GOJ request for assistance. The request came from NISA and was conveyed through MOFA. The GOJ requested large amounts of water to be delivered to the Fukushima nuclear power plant to help cool the reactors. Initial word is that USFJ does not have this capability, though CNFJ is working to see if any appropriate resources are available. Tom Murphy reported the NRC has just dispatched reactor safety expert Tony Ulises from Dulles Airport and Jim Trapp (sp?) a BWR inspector is to depart in approximately seven hours. Both will arrive at Narita Airport and have helicopter transportation arranged to fly them directly to Fukushima. A 10-person NRC/DOE team is supposed to depart the United States within 24 hours.

1700

NHK and other news sources report sounds of explosions and smoke at Fukushima Number One.

1620, March 12, 2011, Saturday

The government's Nuclear and Industrial Safety Agency says 2 radioactive substances, cesium and radioactive iodine, have been detected near the Number One reactor at the Fukushima Number One nuclear power station.

The agency says this indicates that some of the metal containers of uranium fuel may have started melting.

The substances are produced by fuel fission.

University of Tokyo Professor Naoto Sekimura says only a small part of the fuel may have melted and leaked outside.

He called on residents near the power station to stay calm, saying that most of the fuel remains inside the reactor, which has stopped operation and is being cooled.

Source: NHK

1550, March 12, 2011, Saturday

Update from Consulate Fukuoka:

Fukuoka Duty officer received no/no calls overnight or during the day today.

JMA reports Miyazaki harbor in southern Kyushu recorded a tsunami of 1.6 meter at 0333 12MAR. This was the largest tsunami recorded in Kyushu since the earthquake yesterday; local news has not reported any damage or casualties there or anywhere else in our district. The 43-story Sheraton Grande Ocean Resort hotel in Miyazaki near the harbor evacuated the basement and first floor in response to the tsunami warning, but confirmed to Duty Officer they had no damage and are now back to regular operations.

Hakata harbor (approx 2 km from the Consulate) recorded a 30 cm tsunami at 0212 12MAR.

JMA website maps indicate that as of 1350 12MAR, tsunami warnings/cautions were no longer in effect for Fukuoka and Saga prefectures and all Honshu prefectures facing the sea of Japan, but remain in effect for all other seafronts in Kyushu.

The Western Army has now started to deploy part of 16,391 troops that are approved for deployment from Kyushu/Okinawa (of these, about 1,563 are from Okinawa) to the affected region. This includes the bulk of the WA's 4th and 8th Divisions along with some elements of its 5th Engineer Brigade and emergency medical teams from JGSDF med units in Fukuoka and Kumamoto. WA is scheduled to have a meeting at 1600 and its US Army Liaison officer will connect with Zama at 1700 to further US-Japan coordination.

As has been reported elsewhere, the only damage suffered by the US military so far has been some structural damage at Misawa.

Source: Consulate Fukuoka

1545, March 12, 2011, Saturday

Radiation levels at Fukushima No. 1 are 70-times the normal level at the facility's main gate and 1000-times the normal level in the main control room. The article does not attribute this information to any official source.

Source: Sankei

Update from Consulate Sapporo:

We have tried to contact many people and organizations in several prefectures in Tohoku through cell phone, land lines, and email, but so far our only contact has been one SMS at 2230 last night from a journalist in Morioka who said he was involved in trying to confirm the whereabouts and safety of his fellow newspaper employees. That has been our only contact with anyone in the region and successive attempts to reach that journalist have been unsuccessful. There are no flights operating from Sapporo Chitose airport to any airport in Tohoku. The train station in Hakodate is not operational, so train travel between Sapporo and Hakodate is not possible. Iwate Prefecture's website is down and they sent out notices on facebook and twitter stating this, but the only updates since then are a single tweet saying a certain railway will still not be operational through tomorrow, March 13.

Source: Consulate Sapporo

1524, March 12, 2011, Saturday

Delta Airlines has informed us that the Narita control tower went out of commission as of 12:07 today - no further information or confirmation available at this time.

Source: Tokyo CONS

1520, March 12, 2011, Saturday

Pacific coast of Hokkaido has been downgraded from "large tsunami warning" to "tsunami warning." The northeast coast of Honshu (Pacific coast of Aomori, Iwate, Miyagi and Fukushima Prefectures remain under a "large tsunami warning."

Source: NHK

1510, March 12, 2011, Saturday

The operation at Fukushima No.1 plant to lower pressure of the containment vessel has been suspended due to high radiation levels at the site.

Pressure of the reactor container is rising as its cooling system became dysfunctional due to a blackout and power generator breakdown. This has raised concern about possible damage to the container.

The power station's operator, Tokyo Electric Power Company, began to vent air from the reactor container at 9AM on Saturday.

Under the plan, 2 valves close to the container would be opened manually, but radiation level on the second valve was found higher than expected.

The operation has been suspended because of the possibility that workers could be exposed to radiation. The utility is reportedly studying how to open the valve by replacing workers at a short interval, or using electric remote control.

The Nuclear and Industrial Safety Agency says if radioactive substance is released in the air, safety of residents evacuated beyond a 10-kilometer radius from the No.1 reactor will be ensured.

Source: NHK World

1500, March 12, 2011, Saturday

Cesium was detected near Fukushima Power Plant #1 and there is a possibility of a meltdown, according to the Nuclear and Industrial Safety Agency (NISA)

Source: Jijitsushin

1450, March 12, 2011, Saturday

Damage from the earthquake has caused water supply stoppages to 1.1 million homes in 18 prefectures from Hokkaido to Chubu.

Source: NHK

1408, March 12, 2011, Saturday

The Tokyo Electric Power Company (Tepco) is warning of blackouts and urges customers to limit use of electricity, especially during peak evening hours. Peak usage from 6 pm to 7 pm is expected to reach 38 million kilowatts but Tepco can only supply 37 million kilowatts.

Source: Kyodo

Update on casualties and missing:

430 people have been confirmed dead and at least 200 others are believed to be dead.

On top of that, more than 740 people are missing in several prefectures in the country's northeast.

Source: NHK

1340, March 12, 2011, Saturday

New Zealand is intending to send a Search and Rescue team as the Japanese authorities have requested. At this point no consideration has been given to other forms of assistance.

Source: Embassy of New Zealand in Tokyo

1335, March 12, 2011, Saturday

The Nagano Shinkansen Line, which went down following the early morning aftershock, will be up and running as of 4 pm this afternoon.

Source: FNN

1223, March 12, 2011, Saturday

Update from Misawa AB as of 11 am

- No news from us on the nuclear plant one way or another
- We are still without commercial power across the area (generator power at key facilities on base). We are also without heat where we don't have power. No known way ahead on power.
- Have not hear base use as evac center, but we are looking at out potential capabilities.
- Have heard talk of use of base as aerial port for respupply.
- No good comms yet with Misawa City Mayor, but they are in about the same situation
- East coast near Hachinohe has water damage, but don't know how much yet.
- No casualties to AMCITs that we are aware of yet from our base. We're still tracking down a few last dependents
- We've offered potable water to the city since word is theirs is bad, but they said they have enough for now.
- Otherwise we are still busy trying to recover our own base and just starting to think about external logistic support.
- Airfield is operational.

1143, March 12, 2011, Saturday

The National Police Agency has released information on damage to major infrastructure in the affected regions. Serious damage has been reported on roadways at 422 locations, 22 bridges are damaged, and five levees have been severely damaged.

Source: NHK

1118, March 12, 2011, Saturday

Osaka kobe update- Expanded EAC meeting this am. No confirmed deaths of amcits in our consular district, minor if any damage reported. According to local news reports, several small (less than 1 meter) tsunamis have come ashore. Airports are open for arrivals and departures and trains functioning normally and on schedule. Initial assessment is that there is no damage to consulate building or housing compound. Consulate will open for normal business Mon am. All official Amcits are accounted for, are safe and have been contacted.

Source: Consulate Osaka Kobe

Naha reports that a tsunami warning remains in effect for Okinawa. According to JMA, highest observations for our district for second waves that hit between 0148 and 0700 was Amami shi Kominato at 1.2 meters. However the main island and Ishigaki reported only .2-.6 meters. No media reports of damage on Amami shi Kominato. No calls have been received overnight or Saturday morning on the FSN or officer duty phone. With Tokyo's help we have been able to successfully change our phone message notifying callers of the duty phone number for emergencies.

Source: Consulate Naha

1106, March 12, 2011, Saturday

The new Hakata-Kagoshima Shinkansen line has opened on schedule today despite the earthquake but all celebrations and events related to the opening have been cancelled.

Source: Consulate Fukuoka

1052, March 12, 2011, Saturday

Update on casualties and missing:

256 people have been confirmed dead and at least 200 others are believed to be dead.

On top of that, more than 740 people are missing in several prefectures in the country's northeast.

Source: NHK

1041, March 12, 2011, Saturday

The cooling system failed at three reactors at Fukushima No. 2 nuclear power plant, according to Tokyo Electric Power Co. This is in addition to radiation leaks reported at the Fukushima No. 1 plant.

The company notified the government that failsafe system at the No. 2 plant stopped functioning as the temperature of the coolant water topped 100 degrees Celsius.

Source: Kyodo

1035, March 12, 2011, Saturday

As of 11 am Tokyo time, the Embassy Tokyo Consular Crisis Center will return to the Consular Section in the Chancery building.

0925, March 12, 2011, Saturday

Instructions have been given to evacuate those who are in and around the Fukushima #2 nuclear plant.

0921, March 12, 2011, Saturday

The Japan Meteorological Agency has extended their tsunami warning. Tsunamis higher than 1 meter to 3 meters have been observed.

Source: NHK World website

Update regarding nuclear reactor in Fukushima:

The area 3km evacuation area has been expanded to a 10km radius.

Source: NHK World website

A 1.5 meter tsunami at Toba City, Mie Prefecture and a 1.0 tsunami at the Port of Nagoya was reported by the principal officer from Consulate Nagoya.

0854, March 12, 2011, Saturday

Update regarding nuclear reactor in Fukushima:

The Tokyo Electric Company has wanted the Japanese government of an emergency situation at a second nuclear plant in quake stricken Fukushima Prefecture. This warning follows the one earlier in the day for Plant number 1. The Government's Nuclear and Industrial Safety Agency said that equipment failures have made it impossible to cool three of the plant's four reactors. It said the situation poses no immediate threat of radioactive leakage. The agency is considering whether it needs to issue an evacuation advisory to people living near the plant.

Source: NHK World website

0844, March 12, 2011, Saturday

Update on the nuclear reactor in Fukushima:

According to the Nuclear and Industrial Safety agency, announced an "emergency status" for nuclear plant number 2 (in addition to the previous emergency status announced earlier for nuclear plant number 1). There is no immediate radiation leak. They are in the process of determining if evacuation is necessary. Source: NHK website

0838, March 12, 2011, Saturday

Update regarding dead and missing in quake:

The dead and missing in the quake Japan-wide is estimated at more than 1000. 185 confirmed dead.

Source: Kyodo News

Update regarding travel of the Prime Minister:

Prime Minister Naoto Kan left Tokyo by helicopter Saturday morning for northeastern Japan to inspect the disaster area. Source: Kyodo News

0830, March 12, 2011, Saturday

Update regarding status of Narita Airport:

According to the Narita Airport Authority is providing the following advice:

- 1) Passengers need to stay in the terminals that have been confirmed to be safe
- 2) Regarding flights, please contact airlines directly
- 3) Please remain calm and list to airport staff carefully.
- 4) If you have any questions or concerns please do not hesitate to contact staff for assistance.

Source: Narita Airport Authority website.

0816, March 12, 2011, Saturday

Update regarding nuclear reactor in Fukushima:

According to Heather Dresser (EAP/P), a backup generator (truck) is being brought to the plant. Once it arrives, staff can do "a release and restart of the cooling system (which was not damaged). It just cannot currently function without power." Source Ms. Hiyakawa of the Japanese Embassy in Washington.

0807, March 12, 2011, Saturday

Update regarding transportation to Narita Airport

Twitter chatter about Narita Airport in past half hour indicates that some trains are running to Shinagawa and that Qantas has advised Australian travel companies that Narita will reopen today.

0751, March 12, 2011, Saturday

Update regarding dead and missing in quake:

The dead and missing in the quake Japan-wide is estimated at more than 1000. In Sendai Prefecture 200 to 300 dead were confirmed along the coastline. Source: Nikkei.com

0733, March 12, 2011, Saturday

Update regarding Fukushima Nuclear Power Reactor Number 1:

According to the Nuclear Safety Agency, the measured radioactivity at the front gate was more than 8 times normal. The level of radioactivity measured at the central control room which is located closer to the nuclear reactor was measured at more than 1000 times normal. Source: Nihon TV News.

0711, March 12, 2011, Saturday

Update regarding unaccounted for Americans:

ConOff spoke with Cameron Peek by phone. Peek is AmCit working in Miyagi Prefectural Office. He said there is no change on the status of the unaccounted for eight AmCit U.S. teachers.

Just after 0600, Peek sent an email to all JET English teachers in the prefecture and included the names of the unaccounted for Americans, asking for any information on their whereabouts.

At 1200, Peek will go off shift. He will be replaced by Luke Haple, a British citizen. Haple's email is cir2@pref.miyagi.jp. Peek's email is cir1@pref.miyagi.jp.

0648 hours, March 12, 2011, Saturday

Prime Minister Kan (reports from Japanese news):

Has departed Tokyo; will travel by helicopter to inspect the power plant area.

Transportation:

Train service resuming about 0700.

Overhead freeways in Tokyo: traffic is moving.

0633 hours, March 12, 2011, Saturday

From Cody Walsh

Embassy Tokyo/Pol-Mil

All,

Please see updates below as of 0615 local time.

- 1) Search and Rescue team
 - a. OFDA requirements (CIQ, transport, fuel, water, etc.) for in-country HA/DR activities were passed on to USFJ and the GOJ . See attached.
 - b. The GOJ can meet CIQ requirements, but cannot promise to fulfill other requirements

- c. MOFA confirmed that the GOJ will officially accept the USG's offer to provide assistance and will welcome the search and rescue teams to the affected areas provided that USFJ is able to fulfill other requirements (i.e. transport, fuel, water, etc.)
- d. USFJ is working with PACOM and other appropriate bodies to evaluate capacity to support the remaining requirements

Rescue Dogs

- e. Embassy Tokyo asked the GOJ on possibilities for lifting quarantine requirements for the rescue dogs. OFDA's LA team is requesting this information before they commit to bringing the dogs.
- f. The GOJ is requiring paperwork and provided forms for the "special quarantine requirements for rescue dogs" to be completed
- g. The paperwork has been passed on to OFDA to complete and return via Embassy Tokyo's USAID representative

2) Usage of USAF Bases

- a. No updates since USFJ's response below

3) USS Ronald Regan

- a. No updates since USFJ's response below

4) USN Transport Support

- a. No updates since USFJ's response below

0623, March 12, 2011, Saturday

Update: Nuclear Power Plant Fukushima

Source: NHK Japanese Public News

Government of Japan is still planning to release vapor from reactor #1. However, this requires electricity. Because the electricity is not available, the government cannot complete the release. Pressure is now 100x normal.

0526, March 12, 2011, Saturday

Fukushima nuclear plant update:

(Source: Yahoo, re-reporting from Japanese newspaper Sankei Shimbun): At 0300, Minister of Economy and Industry Kaeda held a press conference and said Tokyo Electric has decided to release a "small" amount of vapor from reactor #1 due to above average pressure. As the wind is blowing oceanward, not expected to have any effect on citizens. Prime Minister Kan is expected to visit Saturday morning to inspect. Reactor #2 showed no abnormalities, but may change.

0457, March 12, 2011, Saturday

Two American Airlines flights (AA 61 and AA 169) diverted to Sapporo/Chitose with approximately 220 passengers each reported to have been deplaning at 0300 hours. A few minutes ago, confirmation of deplanement came through. The passengers on the planes had been reported to have been held for six hours before that due to lack of customs/immigration clearance, though hotel rooms had been secured for all crew. (Source: internal email chain)

0435 hours, March 12, 2011, Saturday

Additional details on nuclear plant in Fukushima from short news article from NHK, Japanese public news, relayed at request of DOE A/S:

It is at plant #1

They also have plants #2 and #3, about which they will decide later.

Pressure: 1.5 times the average

600 kilopascal

Residents who are between 3-10 km away, if sheltered, should be safe.

The company, Tokyo Denryoku, says the situation of the residents is secured, because they are sheltered.

From Lynda Hinds, Front Office:

As discussed during the Japan Earthquake Task Force Interagency Conference Call this morning, the GOJ has officially made four requests for assistance:

- 1) Recue teams and rescue dogs
 - a. Embassy Tokyo has communicated to the GOJ that we have two search and rescue "heavy" teams with water rescue capability from OFDA (LA and Fairfax teams) totaling 200 people.
 - b. A flight has been chartered from Phoenix to transport the teams to Japan. We are still waiting for information on a specific ETA.
 - c. We are still waiting for the GOJ to respond on requirements including location for dispatch, required capabilities, number of units the GOJ can handle, and equipment needs
 - d. Ministry of Foreign Affairs (MOFA) is following up on GOJ requirements with the Chief Cabinet Secretary's office
- 2) Usage of U.S. Air Force bases
 - a. The GOJ requested the use of two air bases (Misawa and Yokota) as collection and distribution ports for receiving foreign (3rd country) assistance
 - b. USFJ has provided the GOJ with authorization to use both Misawa and Yokota Air Bases
 - c. The GOJ will be using Misawa AB as the primary site for collection and distribution given its proximity to the affected areas
 - d. Yokota AB and two Japanese civilian airports (Fukushima and Hanamaki airports) will be used to support if additional capacity is needed
 - e. The GOJ's ASDF air bases in Hachinohe and Matsushima are heavily damaged and inoperable
 - f. The foreign countries that will likely be using Misawa and Yokota will be Australia, New Zealand and the ROK
- 3) GOJ helicopter landing authorization, medical assistance and refueling on CVN 76 (USS Ronald Regan)
 - a. The GOJ's requests landing/lift-off authorization for helicopters belonging to the JSDF, Fire and Disaster Management Agency, National Police Agency, and Japan Coast Guard on the U.S. aircraft carrier Ronald Regan, which is en route to the disaster area off the coast of Miyagi
 - b. In addition, FDMA requests assistance for refueling of the helos and medical support for injured civilians on the CVN 76
 - c. The GOJ is still confirming the specific type of helicopters in question, number of helos, and estimates of fueling needs

- d. As soon as the CVN 76 arrives, the Japanese side would like to start the helicopter operations on the CVN 76
 - e. JSDF would like to be in charge of coordinating the helicopter operation involving helicopters from JSDF, Police agency, Fire and Disaster Management Agency and Japan Coast Guard
 - f. The GOJ understands that between the JSDF and USFJ, there is the ACSA so believe that there will be no fees involved for refueling for JSDF helos
 - g. The GOJ would like to confirm if there will be any fees involved for refueling helicopters belonging to Police Agency, Fire and Disaster Management Agency and Japan Coast Guard.
- 4) USN vessel support for transportation of JGSDF forces
- a. The GOJ (JSDF) requested a U.S. Navy vessel to transport approximately 700 troops from Otaru to Akita for relief efforts
 - b. The GOJ has found a ferry from a private company that would be able to transport them at 1900 local tomorrow evening (12 MAR), but would like to leave before then, if possible.
 - c. The GOJ is yet to provide additional details regarding specific locations for their transport requirements

0407 hours, March 12, 2011, Saturday

Nuclear plant update Fukushima:

Japanese news reports will let out some air to release pressure, which will also let out some radiation—says small amount. They will announce beforehand time of release.

New quake: magnitude 6 reported in Nagano prefecture by Japanese news.

0333 hours, March 12, 2011, Saturday

Contact regarding efforts to locate Miyagi U.S. citizen English teachers:

ConOff in Tokyo spoke by phone with AmCit (?) Cameron Peek, working at the Miyagi Prefectural Office on overnight shift, by phone. Peek gave details on his attempts to contact the unaccounted for AmCits: Three, BREUN, OI, and FALES, are in the Kesenuma/Motoyoshi area, where there is a high likelihood of tsunamis; it is also an area where many fires have been reported. This area has been recommended for evacuation—it is very unlikely they would be at their homes. Two, ANDERSON and EMERSON, were in a coastal area. One, MOLNAR, was in Sendai City, semi-coastal.

The earthquake occurred at about the time teachers would have been heading home for the day. Hence, it is possible they would have been prevented from going home by their teachers.

Peek intends to ask teachers who have/have already been contacted to look for unaccounted-for teachers after sunrise.

Fukushima nuclear plant update:

Japanese news reports that internally the pressure level is higher, therefore the risk of radiation level is higher, and authorities are debating releasing air outside to relieve pressure, which would release radiation.

0227 hours, March 12, 2011, Saturday

1800 houses reported destroyed in the town of Minami-Soma in Miyagi Prefecture. Due to this, total deaths is now expected to go over 1000. (MSN)

Gas plant explosion reported by MSN in Miyagi Prefecture, town of Takajo. Still on fire.

0215 hours, March 12, 2011, Saturday

Nuclear plant in Fukushima latest from Nikkei news:

Pressure is exceeding normal standards—therefore, radiation leak may still occur. Residents within three kilometers are asked to go to a shelter. The cooling system water level is going down. However, the U.S. is supporting; Secretary Clinton called and said U.S. airborne has brought cooling materials to the plant.

Update to numbers of AmCits in four main affected prefectures, now including Fukushima prefecture:

Aomori 420

Iwate 183

Miyagi 207

Miyagi-Sendai 483

Fukushima (Tokyo consular district) 64

Total: 1357

0154 hours, March 12, 2011, Saturday

Tokyo DCM/CG agree we wish to clarify registered AmCit numbers for northern Japan. While Consulate Sapporo estimated 4,300 for its entire district, the most affected prefectures, are Miyagi, Iwate, Fukushima, and Aomori. Registered Amcits in most highly affected prefectures:

Aomori 420

Iwate 183

Miyagi 207

Miyagi-Sendai 483

Fukushima (Tokyo consular district)

Total:

Nuclear plant in Fukushima:

Tokyo Denryoku, the company running the plant, reports as of 2300 that no radiation leak has been confirmed. Two people have been injured.

Japanese news: Government announcement of emergency remains in place despite no leakage of radiation.

Embassy children in Tokyo:

0111 hours, all school buses reported arrived by CLO. CLO has a list and believes all children are accounted for.

Obama/Kan:

Japanese news reports President Obama and Prime Minister Kan spoke at 0015 local time and discussed how the U.S. will support Japan.

0134 hours, , March 12, 2011, Saturday

Transportation, subways: Japanese media reports that some subway lines (appears to be four of thirteen) are provisionally scheduled to run all night in order to help people get home (normally, they shut down after about 12:30 a.m.). However, fewer trains than normal have been running.

AmCits in Miyagi Prefecture:

Consul in Sapporo consulate reports he has heard from an AmCit contact for U.S. citizen teachers in Miyagi prefecture (most heavily affected prefecture. Consul writes, "bottom line - all but 8 AMCIT JETS [government of Japan sponsored English teachers] accounted for."

The actual message:

Consul General Ries, Consul Lyons,

Please refer to the attached excel document. We have made this list of the

71 JETs in Miyagi. As of 0:00 on Saturday the 12th, we have established contact with 60 people who have said they were safe. Of the remaining 11 whom we have not contacted, 8 are American.

We have established shifts for one of the two CIR Prefectural Advisors to be at the Prefectural Office at all times, and will continue these shifts until we establish contact with all 11 people.

I will re-update you before my shift ends at 12:00 pm tomorrow. If you would like earlier updates / updates at regular, please let me know. It is no trouble at all."

0116 hours, March 12, 2011, Saturday

Nikkei News reports latest casualty figures are 660 dead/missing, 627 injured.

MSN: 531 missing, 627 serious injuries in northern prefectures.

Numbers of AmCits in primary affected area in Northern Japan from American Citizen Services registry from Consul Tom Lyons in Sapporo:

Here are our warden numbers from CCD - I'd say add about 15% to each to account for unregistered folks.

Registrants without a Warden Zone 520

Hokkaido 905

Hokkaido-Sapporo 907

Aomori 420

Akita 220

Iwate 183

Miyagi 207

Miyagi-Sendai 483

Other (Traveler, etc.) 21

Short Term Registrant Zone (This Zone is assigned for Subjects who are Registering with the Post for Trips that are shorter than the number of days set by Post.) 175

Total registrants: 3771

Total registrants +15%: 4337

0054 hours, March 12, 2011, Saturday

135 now official death report according to Japanese public news.

U.S. and Korea were doing joint training, and ship "Ronald Reagan" is heading to assist Japanese Self Defense Navy offshore of affected area to supply oil and assist in rescue (source: MSN)
A four car train in Miyagi prefecture cannot be contacted; believed washed off of the tracks and into the ocean by tsunami. (NHK Japanese public news)

0037 hours, March 12, 2011, Saturday

From Consul in Sapporo: "I just received a call from Maj. Eric Nebeker, the USARJ Liaison to JGSDF Northern Army. Northern Army is requesting a U.S. Navy vessel to transport approximately 700 troops from Otaru to Akita for relief efforts. Preferably, they would like to show 'a U.S. ship with Japanese faces' to show the strength of the alliance during these times. They have found a ferry from a private company that would be able to transport them at 1900 local tomorrow evening, but would like to leave before then, if possible."

0030 hours, March 12, 2011, Saturday

Government of Japan Minister of Defense has mobilized 8000 troops to dispatch—article not clear as to where they are being sent.
Cool-down procedures at Fukushima nuclear plant are not working; state of emergency official.
(NHK, Japanese public news)

0025 hours, March 12, 2011, Saturday

From Sapporo, relaying information from Misawa AB Ops Center:

Commercial power that feeds the base is down, unknown time to restore. Critical infrastructure is working on generator power. There is minor damage to infrastructure but all buildings are good to go. No major injuries or deaths have been reported. We have 92% accountability of all our military and civilians. Our airfield is 100% functional but base support facilities are hampered by the power outage.

As for off-base, the entire area surrounding Misawa Air Base is without power. We have few reports from the local leadership but they have been very concerned about coastal areas and the tsunami. Water is not potable in the city water supply but they can boil for 20 min.

The biggest issue for both base and city will be heat. Outside air temp is 28 degrees Fahrenheit tonight. On base, we have centralized steam plants and the plants are good, our distribution system is hampered by the power outage but recoverable. In town, individual homes don't have that benefit so it's going to get cold quickly for them. Shelters are being set up in the schools as we understand it.

0018 hours, March 12, 2011

Residents within three kilometers of the nuclear power plant in Fukushima prefecture (northern Japan) have been told to evacuate (Yahoo News)

0009 hours – March 12

From Yahoo! Japan news:

300 drowned bodies reported found in Miyagi prefecture

400 houses no electricity in Tohoku (northern Japan)

Official reports total confirmed 98 deaths, 351 missing as of 2300 hours

Ministry of Foreign Affairs has officially asked the U.S. military for help: top official called Ambassador. Also asked help from China, Russia, and 25 other countries.

0008 hours – March 12, Saturday

From Osaka consular officer:

Based on a duty calls from amcits claiming that airlines were not handling stranded passengers well, just giving them money and sending them away, and a contact at one of the airlines who said several planes from the US were being diverted to Kansai Int Airport with potentially hundreds of amcits we went out to the airport to see if there were any Americans with health or immigration issues and to see if it was as bad as we had heard.

What we saw was the opposite. KIX appeared orderly and we witness no ugly customer service incidents. The arrival and dep board showed only a few delays and cancellations. Most people were calm. Airline counters were appropriately staffed with some lines, but nothing to suggest confusion.

We spoke with two different airline's staff who both said that yes there had been some delays but that passengers were being rebooked and those that needed were being directed to hotels or being allowed to stay overnight in open vip lounges. We went to the lounges next. I counted about fifty people of mixed nationalities relaxing or sleeping. KIX did not appear busy by chicago ohare standards. In fact, definitely not comparable to a midwest snowstorm delay at all.

Customs and immigration officials said they had no issues with amcits.

Maybe much ado about nothing, but I saw efficiency and order.

2240 hours – March 11

Miyagi prefecture police reported finding between 200 and 300 dead bodies. No further details.

2235 hours – March 11

Japanese news reports a fishing boat with 100 people onboard is lost at sea and presumed sunk.

Japanese news also reports that 48 people in Ofunato, Iwate prefecture, are missing.

2146 hours – March 11

Japan media reports 61 deaths:

Tokyo:	3
Iwate:	26
Miyagi:	8
Fukushima:	12
Ibaraki:	5
Tochigi:	1
Chiba:	3
Kanagawa:	2
Unknown:	1

Japanese Customs Bureau told Emboff that Narita will fully open at 0600 local time Saturday.

2135 Tsunami warning from Japan Meteorological Agency includes major tsunami warning for most of the pacific coast of Honshu and Hokkaido islands.

2135 – March 11

Narita closed until at least 11pm (rumors are it will be longer). Some planes departing, but none arriving.

Narita airport reports that access roads into the airport are mostly closed. Public transportation to and from the airport is not operating. Blankets are being distributed to stranded passengers.

Haneda is up and running. Many U.S. planes diverted to Sapporo, Kansai (KIX), and Yokota AFB. Most of those flights are reportedly slowly making their way to Haneda. Roads to the airport are jammed, and public transportation to/from the airport is not running.

2113– March 11

Japanese news reporting current casualty totals:

Dead: 50

Missing: 39

Injured: 244+

2036– March 11

Japanese news reports 39 deaths.

General Affairs Ministry Fire Agency reported 97 fires in 9 prefectures, with 23 fires in Sendai City, near the epicenter.

Landsides have trapped an unknown number of people in Fukushima, and 12 people are reported missing.

2016– March 11

JET English teachers in Japan have been requested to report their status to the main office in Tokyo by Monday (3/14) afternoon.

In Miyagi prefecture, there are 71 JET teachers, 45 of whom are confirmed safe. There are no reports of deaths or injuries.

1951– March 11

Tokyo Reuters (via Yahoo)

Japanese nuclear power plants and oil refineries were shut down and a major steel plant was on fire.

Kyodo News

Sony closed 6 factories

Air force jets surveying the damage on Japan's northeast coast.

1935– March 11

Japanese TV:

32 confirmed deaths

A new strong earthquake warning was put out for Tohoku (northern main island Honshu), Kanto (includes Tokyo, Niigata prefecture

Fire was put out at Miyagi prefecture nuclear plant.

Fukushima prefecture nuclear plant announced its safety.

Sendai city airport: numerous people are waiting to be rescued from the top of the building.

Japan Times/Kyodo News:

The government on Friday quickly sent the Self-Defense Forces to Miyagi Prefecture following a request from Gov. Yoshihiro Murai.

All ships docked at the Maritime Self Defense

Yokosuka base forces (U.S.?) were ordered to sail to waters off Miyagi, and after eight fighter jets took off from four bases of the Air Self-Defense Force (Japan) to check the quake damage.

The government of Japan set up a task force at the crisis management center of the Prime Minister's Office to control the situation.

1919– March 11

28 confirmed dead.

Bullet train from Tokyo to Osaka now running.

Bus started running around 16:00—local buses, but not highway buses.

Tsunami in Tokyo: arrived, slightly over one meter.

(Tokyo TV news)

1901 hours– March 11

(Kaneshiro in Okinawa:) We've also been monitoring national press from Okinawa. In addition to the deaths you reported in Tokyo, our running count of additional confirmed deaths reported by NHK and TBS as of 1850 is:

Tochigi prefecture – 1 dead

Fukushima prefecture – 1 dead

Iwata prefecture – 10 dead

Chiba prefecture – 1 dead

Miyagi prefecture – 3 dead; 100 people trapped in a collapsed bldg in Ishinomaki

Ibaraki prefecture – 1 dead

Also, we noted:

Yokohama City – 10 people trapped in a collapsed building

Tokyo – 22 active fire sites

Iwate – 1 landslide

1900– March 11

Hawaii, Oregon, Washington, Washington, California, parts of Alaska: tsunami warning. Projected to hit at 800 hours eastern time first in Hawaii.

1858 – March 11

TV News reported:

Fire in the basement of the Onagawa Plant #1 of Miyagi as been reported. There is no nuclear leakage is detected yet. (Cubas)

1854 hours – March 11

FUKUOKA – 1854, March 11, 2011

METI reported at the safety meeting at 5:10 that emergency generators do not work in the reactor 1 and 2 of the Fukushima Nuke Plant #1. Nuclear reaction/activity automatically stopped by the quake. But disintegration heat has been leaking and generator for cooling it is necessary.

As of now METI reported the followings:

Stopped by quake or stopped for regular inspection:

- (Miyagi) Tohoku Electric Power Onagawa Nuclear Plant #1~#6 reactors
- (Fukushima) TEPCO Fukushima #1 Nuclear Plant #1~#3 reactors (#1 and #2 reactors have possible leakage.);
- (Fukushima) TEPCO Fukushima #2 Nuclear Plant #1~#4 reactors
- (Ibaraki) Japan Nuclear Power Tokai #2 Nuclear Plant
- (Aomori) Tohoku Electric Power Higashi Doori Nuclear Plant
- (Shizuoka) Chubu Electric Power Hamaoka #3 Nuclear Plant
- (Niigata) TEPCO Kashiwazaki Kariwa Nuclear Plants #2~#4

Working:

- Hamaoka #4, #5 reactors
- Kashiwazaki Kariwa #1, 5, 6, 7 reactors
- Hokkaido Electric Power #1, 2, 3 reactors
- Aomori Reprocessing Plant

NAHA – 1840, MARCH 11: Naha has accounted for our staff, including our FSN who is traveling in Tokyo. A very minor tsunami hit the Amami Islands (in our district) at 1810 and the main island of Okinawa shortly afterwards. OPG reports no damage. We also checked with the Amami city government (in our district) and they also report no damage. Tsunamis are still projected to hit southern Okinawan islands but estimates are that they will be minor. According to the police, Naha airport remains open and there is no plan to close the airport.

USFJ UPDATE ON MIL INSTALLATIONS AND PERSONNEL IN JAPAN AND REQUEST TO AFN BROADCAST OUR WARDEN MESSAGE: USFJ has also stood its command center and has been receiving reports from mil installations across Japan. As of 1835 they report:

- no fatalities or casualties to SOFA personnel in Japan
- minor damage to only one installation (Misawa AB)

Also, we reached out to the Armed Forces' Network (AFN) in Okinawa and asked them to broadcast our warden message across Japan. Naha has also launched the Naha congen facebook page that waiting for clearance in order to get messaging out.

1850 – March 11

26 deaths confirmed as of 1830
Numerous missing and injured
Iwate prefecture: supermarket collapse
Cosmo Oil Refinery in Chiba prefecture
Tokyo: 2 deaths, 45 injured
New tsunami warning in the south: Fukuoka prefecture
From Tokyo north, no more trains today, railway announced

1849 hours – March 11

Nagoya Update:

Two small tsunamis (less than a foot) hit Nagoya at around 1645JST. No injuries or property damage. All staff and dependents are accounted for- including Tokyo/Pol Andrew Ou who is down here TDY.

Prefectural police in Aichi, Mie and Gifu report no/no Amcits affected by the earthquake. (Jonas Stewart)

1843 – March 11

Magnitude was 8.9 original quake
13 foot tsunami damaged buildings and washed away homes along the northeastern coast
No radiation leaks have been detected from japan's nuclear power stations, Prime Minister Kan says.
Japanese gov't: tremendous damage
Tsuamis up to 10 meters high slammed coast, three reported killed

1841 – March 11

Background: SAPPORO: - record of times and contents of emails

1524: We just had another earthquake – looks to be in about the same location as the one Wednesday, but stronger. We felt this one in Sapporo, though it was just some mild rocking – compared with nothing during the Earthquake on Wednesday.

The big issue with this earthquake is the Tsunami – expected to be up to 10 meters. Unconfirmed reports that the runway at Sendai airport is cracked. No other damage/casualty estimates at this time.

We have attempted to call contacts in Sendai, but phones will not go through.

1550: On TV they are showing large tsunamis hitting in Kesenuma, northeast of Sendai. Looks pretty bad – cars and buildings washing away. Still no word from Sendai – phones still unable to get through.

1613: Magnitude of the earthquake has just been updated to 8.4. Local news just showed waves overcoming farmer's fields in Nattori, which is between Sendai and the coast. Sendai is the largest populated area in the most affected by the quake/tsunami.

Sendai is approximately 10 miles inland; however, Sendai's airport is between Nattori and the coast, meaning that it is likely underwater.

1621: We have reports of a tsunami of 3.5M on the southern tip of Hokkaido and flooding throughout Southern Hokkaido, but no reports of damage or casualties; They have updated the tsunami warning to "Major Tsunami Warning" for all of the East Coast of Japan north of Shizuoka and Nagoya area.

1803: Sapporo has just learned that the official estimate is so far 10 dead in Sendai, with numbers obviously expected to rise significantly. Fires are still burning in Sendai. We have heard that the government has mobilized the Self-Defense Force to respond.

Sapporo has sent out a warden message through ACS+ and posted the message on Facebook and Mixi (a Japanese version of Facebook).

We will remain alert to hear reports of AMCITs in need of assistance.

1812: Just got word from a JET that works at the Miyagi Prefecture office:

...We are currently trying to establish contact with the 72 JETs in Miyagi (not including Sendai JETs) and so far have confirmed that 40 of them are okay. 19 or the remaining 32 are American and I will let you know when we have confirmed their safety...

Comment from Sapporo - JETs and other English teachers likely make up the majority of AMCITs in the Sendai area, the area hit hardest by the quake.

1840 – March 11

All - Naha has accounted for our staff, including our FSN who is traveling in Tokyo. A very minor tsunami hit the Amami Islands (in our district) at 1810 and the main island of Okinawa shortly afterwards. OPG reports no damage. We also checked with the Amami city government (in our district) and they also report no damage. Tsunamis are still projected to hit southern Okinawan islands but estimates are that they will be minor. According to the police, Naha airport remains open and there is no plan to close the airport.

USFJ UPDATE ON MIL INSTALLATIONS AND PERSONNEL IN JAPAN: USFJ has also stood its command center and has been receiving reports from mil installations across Japan. As of 1835 they report:

- no fatalities or casualties to SOFA personnel in Japan
- minimal damage to Misawa AB; no other damage to mil installations in Japan

1836 – March 11

News just came that the Prime Minister will declare a state of emergency regarding the nuclear radiation leak at the Fukushima plant shortly. (Cubas)

1835 – March 11

As of 1446, nuclear:

29 facilities no troubles reported.

11 stopped due to earthquakes

8 stopped for inspection

9 continue to function

(Tokyo TV)

1834 hours – March 11

While the earthquake was felt in the Osaka area there does not appear to have been any damage. We received reports that a half meter tsunami warning is in effect but don't have an update on that at this time. All personnel are accounted for. Staff at the Consulate felt the building sway but some family members at the housing compound between Osaka and Kobe did not feel it. Lastly, an airport contact said large numbers of people from Nagoya and Tokyo area were heading to Kansai area airports to catch flights. (Snider)

1831 hours – March 11

TV news just reported radiation leak from the #1 plant. (Cubas)

1829 hours – March 11

Evacuation suggestion, not yet an order, Kagoshima, Oita and Miyazaki prefectures, in Kyushu.

Miyazaki port had 1.4 m tsunami, extensive flooding along the coast. Similar effects on some remote southern islands.

(Cubas)

1824 hours – March 11

Prime Minister Kan to speak in about 10 minutes on nuclear situation.

40+ injured in Tokyo, 4 unconscious

8 buried in debris in Fukushima prefecture.

1820 hours – March 11

53 or more fires in 8 prefectures.

Disaster Central (Japanese) is damaged and not functioning.

1808 hours – March 11

Total deaths confirmed thus far: 13

By prefecture:

5 Fukushima

1 Ibaraki

5 Iwate

1 Honda Factory

1 Chiba

Missing: 8, Fukushima prefecture

Tokyo: Kudankaikan building collapse or partial collapse, 25 injured.

Tokyo Big Site (conference/tourist area: 4 injured)

Still no public transportation

Ibaraki airport: ceiling fell

U.S. Costco shopping center in Machida (Tokyo outskirts) collapsed; 9 injured

1759 hours – March 11

Update on TV news:

Fukushima prefecture had second earthquake, 5:48 p.m. magnitude 5.8

Five deaths confirmed in Iwate prefecture as of 5:00 p.m.

No electricity in the Tohoku area; Tohoku is most of the main island of Honshu, northern area. About five prefectures.

Large whirlpool shown off the coast of Ibaraki prefecture.

1749 hours – March 11

Preliminary reports are around fires and tsunamis. Here in downtown Tokyo we're not seeing exterior damage on buildings. Our Embassy residential units have some interior damage – furniture toppled, etc.

We have posted a warden message and are trying to get word out via Twitter.

We're trying several means to contact you by phone.

We continue to have aftershocks.

We have no reports of official personnel, dependents, or American Citizens injured at this time.

Rail and subway are down.

There is another warning now for a major aftershock.

Paul Fitzgerald

CG

1711 hours – March 11

Summary from Japanese news:

5:30 p.m. Jpan time

50cm tsunami in Toyama Prefecture

10 meter Tsunami reported not confirmed

Entire East coast of Japan on tsunami watch

Public transportation not running:

Not running: all trains, including bullet trains

No reports of train accidents

One confirmed death

Refinery in Chiba on fire

8.4 magnitude flashed on news report.

From: RMTFACTSU_ELNRC <RMTFACTSU_ELNRC@ofda.gov>
Sent: Sunday, March 13, 2011 11:23 AM
To: Marshall, Jane
Subject: RE: Tokyo's SITREP - 2330 13 MAR: Pol-Mil Update on USG assistance

1. Confirmed Japanese are performing bucket brigade operations. No information to what extent.
2. MOFA = Japan Ministry of Foreign Affairs (Equivalent to DOS here).

From: Marshall, Jane [mailto:Jane.Marshall@nrc.gov]
Sent: Sunday, March 13, 2011 10:56 AM
To: RMTFACTSU_ELNRC
Subject: Re: Tokyo's SITREP - 2330 13 MAR: Pol-Mil Update on USG assistance

Need to clarify: are the japanese conducting water bucket ops now?
Sent from my NRC Blackberry

From: RMTFACTSU_ELNRC <RMTFACTSU_ELNRC@ofda.gov>
To: Marshall, Jane; LIA01 Hoc; LIA07 Hoc; LIA11 Hoc; McIntyre, David
Sent: Sun Mar 13 10:51:56 2011
Subject: Tokyo's SITREP - 2330 13 MAR: Pol-Mil Update on USG assistance

Info from Tokyo's latest SITREP:

Updates as of 23:30, Sunday, March 13, JST: Changes since the last update are highlighted in red.

1) Nuclear Reactor

- a. Water buckets operation to help cool Fukushima No. 3 Pump: USFJ has not received indication they can support the water buckets operation (either helos not immediately available or no equipment for water bucket mission). USFJ is still researching resource availability in Okinawa, but even if available, due to transport time and questions surrounding the safety of this COA, USFJ is not recommending US service personnel to conduct the mission. Emb Tokyo has communicated to MOFA the difficulties to support this request citing resource availability and informed MOFA that we will advise should there be any change of status.
- b. John Beed has asked DC to confirm arrival of any and all nuclear-related personnel, equipment coming as part of DART/search-rescue teams. Four nuclear specialists are en route: 1 with the DART team that arrived in Misawa at 15:22 and three coming into Narita airport.
- c. Alan Remick from DOE and Joe Hughart from HHS arrived in Tokyo and are meeting at MOFA with their NISA (Nuclear Industrial and Safety Agency) counterparts. MOFA Nuclear Division's Kazumi Yamada confirmed she shared the seven questions from DOE with GOJ's NISA this evening, ahead of the meeting.
- d. USFJ COL Town and Col Wall are taking alternating shifts at Ichigaya and are receiving the live transcripts of the nuclear power plant radioactive materials monitoring data. They may be reached as follows. DSN 224-7717 e-mail: j3cat2nd@jso.mod.go.jp.

2) FCM Assistance:

- a. GOJ is not proceeding with a request for Foreign Consequence Management Support from USG.

- 3) Search and Rescue (SAR) Team
 - a. Arrived Sunday, Mar 13, 15:22 JST at Misawa. DART is being sent to Ofunato city and area and will work in tandem with Tokyo firefighters team we don't know how long they will conduct operations.
 - b. Two MOFA officers will perform liaison functions at Misawa.
 - c. Iwate Prefecture wants the team to have a sufficient number of interpreters (ideally, at least five) before deploying to disaster areas. Per USAID EMB representative, John Beed, the Search and Rescue teams have indicated they believe they will be able to mobilize additional interpreters to accompany the SAR from within Misawa AB. CG Sapporo confirmed two AMCITs based in Hirosaki are available to volunteer as interpreters if needed. As requested by AMCITs volunteers, Misawa SAR POC information shared with AMCITs.

- 4) Usage of USAF Bases
 - a. GOJ is authorized to use Misawa AB and Yokota AB for third country aircraft who wish to send aircraft for HA/DR personnel and supplies.
 - b. MOFA gave the green light for of third country SAR teams arriving at U.S. bases to have access to duty-free goods at the on base Exchange or Commissary. They did ask that third country SAR members have their IDs checked at the door (like all base personnel) to ensure that access is restricted to those who are authorized for access
 - c. ROK: SAR team of 5 members and 2 rescue dog arrived at Hanamaki Airport and moved to the south of Sendai. They are now standing by and will start rescue operations in on Monday morning, March 14 local time. MOFA also confirmed knowledge of ROK offer of aid, details on specifics for delivery pending.
 - d. UK: SAR team, with 63 members and 2 dogs, arrived at Misawa AB at 2000 JST; no updates on destination for relief activities.
 - e. Australia: SAR team will arrive via C-17 aircraft at Yokota Air Base at 0140 JST, March 14. USFJ is currently coordinating quarantine requirements for rescue dogs. USFJ J4 is coordinating Australian need access to the base for contracted vehicles, fuel and water.
 - f. Singapore: SAR team of 5 members, 5 dogs, arrived at Narita yesterday on March 12 and moved to Fukushima to support relief activities.
 - g. New Zealand: SAR team of 55 members is scheduled to arrive at Narita at 1630 local time on March 14 at Narita
 - h. France: SAR team of 131 members will arrive at Narita on March 14 local time and move to Misawa AB; MOFA is handling initial coordination directly with USFJ for French SAR team.
 - i. MOFA confirmed that Chinese rescue team arrived at 12:30 PM in Haneda and is enroute to Tohoku region (exact location was TBD).

- 5) USS Ronald Reagan Carrier Strike Group
 - a. Positioned off the Miyagi Coast.
 - b. Will conduct SAR operations starting at first light, three in the morning and three in the afternoon.
 - c. Along with SAR, will be conducting an assessment of the shoreline and coastal waters

- 6) USN Transport Support
 - a. MOFA reconfirmed the request for transport of GSDF Northern Army from Otaru to Akita.
 - b. The first 700 GSDF personnel departed by commercial ferry on March 12, but more will follow the next few days, and MOFA reconfirmed continued request for transport support.
 - c. PACOM JOC sent a message, USFJ was authorized to employ HSV transport
 - d. Embassy Tokyo Consular Crisis Field Team has requested transport from Yokota to Misawa

This email is UNCLASSIFIED.

From: Brunette-Chen, Rachel

Sent: Sunday, March 13, 2011 4:54 PM

To: Till, Laura A; Young, Joseph M; Hefner, Timothy B; Toko, Kenichiro (Ken); Walsh, Cody C; 'Huntington, Miki T LTC USA USFJ J54'; Kimura, Ayako; Toledo, Ana Y; Oikawa, Yufuko; Basalla, Suzanne I; Luke, Robert S; Zumwalt, James P; (b)(6); 'Wiltse, Jeffrey S COL USA USFJ J5'; 'Epstein, Daren A GS-14 USFJ J5'; 'Caballero, Leo F LTC USA USFJ J52'; 'Tran, John D Maj USAF USFJ J5'; 'Peyton, Paul P GS-14 USFJ J5'; Donovan, Joseph R; Deming, Rust M; Dresser, Heather L (EAP/J); SWO; Basalla, Suzanne I; Napier, Bradford; 'Bradford, John F LCDR (USN) OSD POLICY'; 'Johstone, Christopher DASD OSD'; Green, Christopher L; 'Cote, Benjamin F LCDR USN USFJ J52'; 'USFJ-CAT-CHIEF'; EAP-J-Office-DL; TaskForce-1; Beed, John A; Beed, John; Lyons, Thomas H; (b)(6); 'Stitt, Tony'; Hinds, Lynda J; Zareski, Karen B; TaskForce-1; SES-O; Seiden, Maya D; Leou, Nancy W; Mace, Casey K; 'rmt_pactsu@ofda.gov'; 'ops.cat@dhs.gov'; 'Trigilio, John, CIV, OSD-POLICY'; 'Atteberry, Christopher L Col (USAF) OSD POLICY'; 'Hanlon, Melissa, CIV, OSD-POLICY'; 'Clark, Ngoc CIV OSD POLICY'; OEM-EMC; M_Staff; Zumwalt, James P; Tokyo-Consular-Officers-DL; Donovan, Joseph R; Tokyo PolMil Unit; Basalla, Suzanne I; (b)(6); (b)(6) Applegate, David; 'charles.mcreery@noaa.gov'; 'Benjamin, Bevan COL USA USFJ J5'; 'Tasker, Laura L Capt USAF USFJ J5'; Walker, Jon W; Cooper, Justin D; Loy, James R; Clark, Frank S; Klingmeyer, James F; 'ofdacom@ofda.gov'; 'Bock, Yoni'

Subject: RE: GOJ Requests for Assistance- Updates 1630 JST 13MAR2011

Rachel Brunette-Chen signing off at 17:00, Cody Walsh is now taking over. He may be contacted at 3224-5337 or tokyopolmilunit@state.gov. Unit Chief Joe Young is also currently in the office at x. 5338. Thank you.

Updates as of 16:00, Sunday, March 13, JST: Changes since the last update are highlighted in red.

7) Nuclear Reactor

- a. MOFA officially requested assistance in the form of USFJ helo's to conduct "water bucket" operations (haul water via sling load as we do during firefighting operations) to help cool the No. 3 Pump at Fukushima, which is in a critical condition; similar to No. 1 Pump that exploded yesterday. JSDF has also been tasked with this mission. We are waiting for GOJ safety data for crews to fly over. USFJ says initial read is there are limited assets but they are re-confirming with service components.
- b. John Beed has asked DC to confirm arrival of any and all nuclear-related personnel, equipment coming as part of DART/search-rescue teams. Four nuclear specialists are en route: 1 with the DART team that arrived in Misawa at 15:22 and three coming into Narita airport.
- c. MOFA has asked us to contact them regarding details on the nuclear specialists, including their destinations/plans. Ron Cherry is working this issue with Kazumi Yamada in the MOFA International Nuclear Energy Cooperation Division. If you receive inquiries from MOFA about nuclear specialists, please inform them that they may contact Ms. Yamada. Duty Officer has informed MOFA contacts to reach out to Ms. Yamada.
- d. USFJ COL Town and Col Wall are taking alternating shifts at Ichigaya and are receiving the live transcripts of the nuclear power plant radioactive materials monitoring data. They may be reached as follows. DSN 224-7717 e-mail: j3cat2nd@jso.mod.go.jp.

8) FCM Assistance:

- a. GOJ is not proceeding with a request for Foreign Consequence Management Support from USG.

9) Search and Rescue (SAR) Team

- a. Arrived Sunday, Mar 13, 15:22 JST at Misawa. DART is being sent to Ofunato city and area and will work in tandem with Tokyo firefighters team we don't know how long they will conduct operations.
- b. Two MOFA officers will perform liaison functions at Misawa.

- c. Iwate Prefecture wants the team to have a sufficient number of interpreters (ideally, at least five) before deploying to disaster areas. OFDA has confirmed that there are native Japanese speakers among the team members and is confirming the number. Sapporo Consulate has offered to provide two interpreters, and has a third Amcic contact in Aomori who has volunteered to interpret. Transportation would be required to the disaster area.
- d. AUS SAR Team is en route Yokota AB; ETA 0140 local time Monday, March 14. USFJ is currently coordinating quarantine requirements for rescue dogs.
- e. Embassy and USFJ have asked MOFA for SOFA privileges (NOT formal SOFA status) for foreign aid teams arriving in Yokota/Misawa to enable foreign aid personnel to purchase needed materials at the base exchanges. MOFA has informed us that they are working on this and coordinating it with the Ministry of Finance. PolMil Dutyoff encouraged MOFA to move this request through quickly to enable rescue personnel to get the supplies they need. MOFA informed PolMil dutyoff that they will reach out to us as soon as they hear back from MOF, but they are not expecting an answer to arrive quickly because it will require senior-level approval. MOFA has the phone numbers for the two pol-mil officers taking over the next shift.

10) Usage of USAF Bases

- j. GOJ is authorized to use Misawa AB and Yokota AB for third country aircraft who wish to send aircraft for HA/DR personnel and supplies
- k. MOFA confirmed ROK team (5 personnel, at least one rescue dog) landed at Haneda, transported by SDF to Hanamaki Airport in Iwate Prefecture. MOFA also confirmed knowledge of ROK offer of aid, details on specifics for delivery pending.
- l. UK SAR team, with 63 members, is en route to Misawa; ETA O/A 1500
- m. Australia team will arrive via C-17 aircraft at Yokota Air Base at 0140 JST, March 14.
- n. Update on Singapore team pending.
- o. Update on NZ team to Misawa pending.
- p. MOFA confirmed that Chinese rescue team arrived at 12:30 PM in Haneda and is enroute to Tohoku region (exact location was TBD).

11) USS Ronald Reagan Carrier Strike Group (Cody will follow up during next shift).

- a. Positioned off the Miyagi Coast.
- b. Will conduct SAR operations starting at first light, three in the morning and three in the afternoon.
- c. Along with SAR, will be conducting an assessment of the shoreline and coastal waters.

12) USN Transport Support

- a. MOFA reconfirmed the request for transport of GSDF Northern Army from Otaru to Akita.
- b. The first 700 GSDF personnel departed by commercial ferry on March 12, but more will follow the next few days, and MOFA reconfirmed continued request for transport support.
- c. PACOM JOC sent a message, USFJ was authorized to employ HSV transport
- d. Embassy Tokyo Consular Crisis Field Team has requested transport from Yokota to Misawa

This email is UNCLASSIFIED.

From: Till, Laura A

Sent: Sunday, March 13, 2011 12:09 PM

To: Young, Joseph M; Hefner, Timothy B; Toko, Kenichiro (Ken); Walsh, Cody C; 'Huntington, Miki T LTC USA USFJ J54';

Kimura, Ayako; Brunette-Chen, Rachel; Toledo, Ana Y; Oikawa, Yufuko; Basalla, Suzanne I; Luke, Robert S; Zumwalt, James P; (b)(6); 'Wiltse, Jeffrey S COL USA USFJ J5'; 'Epstein, Daren A GS-14 USFJ J5'; 'Caballero, Leo F LTC USA USFJ J52'; 'Tran, John D Maj USAF USFJ J5'; 'Peyton, Paul P GS-14 USFJ J5'; 'Donovan, Joseph R; Deming, Rust M; Dresser, Heather L (EAP/J); SWO; Basalla, Suzanne I; Napier, Bradford; 'Bradford, John F LCDR (USN) OSD POLICY'; 'Johstone, Christopher DASD OSD'; Green, Christopher L; 'Cote, Benjamin F LCDR USN USFJ J52'; 'USFJ-CAT-CHIEF'; EAP-J-Office-DL; TaskForce-1; Beed, John A; Beed, John; Lyons, Thomas H; (b)(6); 'Stitt, Tony'; Hinds, Lynda J; Zareski, Karen B; TaskForce-1; SES-O; Seiden, Maya D; Leou, Nancy W; Mace, Casey K; 'rmt_pactsu@ofda.gov'; 'ops.cat@dhs.gov'; 'Trigilio, John, CIV, OSD-POLICY'; 'Atteberry, Christopher L Col (USAF) OSD POLICY'; 'Hanlon, Melissa, CIV, OSD-POLICY'; 'Clark, Ngoc CIV OSD POLICY'; OEM-EMC; M_Staff; Zumwalt, James P; Tokyo-Consular-Officers-DL; Donovan, Joseph R; Tokyo PolMil Unit; Basalla, Suzanne I; (b)(6); (b)(6); Applegate, David; 'charles.mcreery@noaa.gov'; 'Benjamin, Bevan COL USA USFJ J5'; 'Tasker, Laura L Capt USAF USFJ J5'; Walker, Jon W; Cooper, Justin D; Loy, James R; Clark, Frank S; Klingmeyer, James F; 'ofdacom@ofda.gov'; 'Bock, Yoni'

Subject: GOJ Requests for Assistance- Updates 1030 JST 13MAR2011

Rachel Brunette-Chen is on duty for Pol-Mil taskforce. She can be reached at +81-3-3224-5772.

Updates as of noon, Sunday, March 13, JST:

13) Nuclear Reactor

- a. MOFA officially requested assistance in the form of USFJ helo's to conduct "water bucket" operations (haul water via sling load as we do during firefighting operations) to help cool the No. 3 Pump at Fukushima, which is in a critical condition; similar to No. 1 Pump that exploded yesterday. JSDF has also been tasked with this mission. We are waiting for GOJ safety data for crews to fly over. USFJ says initial read is there are limited assets but they are re-confirming with service components.
- b. John Beed has asked DC to confirm arrival of any and all nuclear-related personnel, equipment coming as part of DART/search-rescue teams. Four nuclear specialists are en route: 1 with the DART team arriving at Misawa and three coming into Narita airport.

14) FCM Assistance:

- a. GOJ is not proceeding with a request for Foreign Consequence Management Support from USG.

15) Search and Rescue (SAR) Team

- a. Arriving Sunday, Mar 13, 13:30 JST at Misawa
- b. USFJ has confirmed that the team is cleared for landing at Misawa.
- c. Two MOFA officers will perform liaison functions at Misawa.
- d. Iwate Prefecture wants the team to have a sufficient number of interpreters (ideally, at least five) before deploying to disaster areas. OFDA has confirmed that there are native Japanese speakers among the team members and is confirming the number. Sapporo Consulate has offered to provide two interpreters, and has a third Amciti contact in Aomori who has volunteered to interpret. Transportation would be required to the disaster area.
- e. Paperwork for rescue dogs was provided to MOFA this morning and they are currently working on it.
- f. AUS SAR Team is en route Yokota AB; ETA 2340 (Japan CIQ support)

16) Usage of USAF Bases

- q. GOJ is authorized to use Misawa AB and Yokota AB for third country aircraft who wish to send aircraft for HA/DR personnel and supplies
- r. MOFA confirmed ROK team (5 personnel, at least one rescue dog) landed at Haneda, transported by SDF to Hanamaki Airport in Iwate Prefecture. MOFA also confirmed knowledge of ROK offer of aid, details on specifics for delivery pending.

- s. UK SAR team, with 63 members, is en route to Misawa; ETA O/A 1500
- t. Australia team will arrive via C-17 aircraft at Yokota Air Base at 1320 JST, March 13.
- u. No update on Singapore team.
- v. No update on NZ team to Misawa.

17) USS Ronald Reagan Carrier Strike Group

- a. Positioned off the Miyagi Coast.
- b. Will conduct SAR operations starting at first light, three in the morning and three in the afternoon.
- c. Along with SAR, will be conducting an assessment of the shoreline and coastal waters.

18) USN Transport Support

- a. MOFA reconfirmed the request for transport of GSDF Northern Army from Otaru to Akita.
- b. The first 700 GSDF personnel departed by commercial ferry on March 12, but more will follow the next few days, and MOFA reconfirmed continued request for transport support.
- c. PACOM JOC sent a message, USFJ was authorized to employ HSV transport
- d. Embassy Tokyo Consular Crisis Field Team has requested transport from Yokota to Misawa

Laura Till
 Political Military Unit
 U.S. Embassy Tokyo
 03-3224-5335
<http://japan.usembassy.gov/>

This email is UNCLASSIFIED.

From: Young, Joseph M
Sent: Sunday, March 13, 2011 4:10 AM
To: Hefner, Timothy B; Toko, Kenichiro (Ken); Walsh, Cody C; 'Huntington, Miki T LTC USA USFJ J54'; Kimura, Ayako; Young, Joseph M; Brunette-Chen, Rachel; Till, Laura A; Toledo, Ana Y; Oikawa, Yufuko; Basalla, Suzanne I; Luke, Robert S; Zumwalt, James P; (b)(6); 'Wiltse, Jeffrey S COL USA USFJ J5'; 'Epstein, Daren A GS-14 USFJ J5'; 'Caballero, Leo F LTC USA USFJ J52'; 'Tran, John D Maj USAF USFJ J5'; 'Peyton, Paul P GS-14 USFJ J5'; Donovan, Joseph R; Deming, Rust M; Dresser, Heather L (EAP/J); SWO; Basalla, Suzanne I; Napier, Bradford; 'Bradford, John F LCDR (USN) OSD POLICY'; 'Johstone, Christopher DASD OSD'; Green, Christopher L; 'Cote, Benjamin F LCDR USN USFJ J52'; 'USFJ-CAT-CHIEF'; EAP-J-Office-DL; TaskForce-1; Beed, John A; Beed, John; Lyons, Thomas H; (b)(6); 'Stitt, Tony'; Hinds, Lynda J; Zareski, Karen B; TaskForce-1; SES-O; Seiden, Maya D; Leou, Nancy W; Mace, Casey K; 'rmt_pactsu@ofda.gov'; 'ops.cat@dhs.gov'; 'Trigilio, John, CIV, OSD-POLICY'; 'Atteberry, Christopher L Col (USAF) OSD POLICY'; 'Hanlon, Melissa, CIV, OSD-POLICY'; 'Clark, Ngoc CIV OSD POLICY'; OEM-EMC; M_Staff; Zumwalt, James P; Tokyo-Consular-Officers-DL; Donovan, Joseph R; Tokyo PolMil Unit; Basalla, Suzanne I; (b)(6); Applegate, David; 'charles.mcreery@noaa.gov'; 'Benjamin, Bevan COL USA USFJ J5'; 'Tasker, Laura L Capt USAF USFJ J5'; Walker, Jon W; Cooper, Justin D; Loy, James R; Clark, Frank S; Klingmeyer, James F
Subject: RE: GOJ Requests for Assistance- Updates 0400 JST 13MAR2011

Laura Till will be starting her Pol-Mil Unit shift at 0430.

Updates as of 0410, Sunday, March 13, JST:

19) Nuclear Reactor

- a. In view of ongoing efforts at the Fukushima nuclear plant to cool the reactor with seawater, MOFA SOFA has withdrawn the earlier request for USFJ help on providing water and vehicles to the facility.

20) FCM Assistance:

- a. GOJ is not proceeding with a request for Foreign Consequence Management Support from USG, with efforts continuing at the Fukushima plant.

21) Search and Rescue (SAR) Team

- a. Arriving Sunday, Mar 13, 11:30 JST at Misawa
- b. USFJ has confirmed that the team is cleared for landing at Misawa.
- c. Three MOFA officers will perform liaison functions at Misawa.
- d. Iwate Prefecture wants the team to have a sufficient number of interpreters (ideally, at least five) before deploying to disaster areas. OFDA has confirmed that there are native Japanese speakers among the team members.
- e. Paperwork is in train for rescue dogs

22) Usage of USAF Bases

- w. Cleared for usage.
- x. MOFA confirmed ROK team (5 personnel, at least one rescue dog) landed at Haneda, transported by SDF to Hanamaki Airport in Iwate Prefecture. MOFA also confirmed knowledge of ROK offer of aid, details on specifics for delivery pending.
- y. UK team, with 63 members, currently holding in Portugal and positioned to depart immediately. Seeking USFJ guidance on whether to land at Misawa or Yokota.
- z. Australia team will arrive via C-17 aircraft at Yokota Air Base at 1320 JST, March 13.
- aa. No update on Singapore team.
- bb. No update on NZ team to Misawa.

23) USS Ronald Reagan Carrier Strike Group

- a. Positioned off the Miyagi Coast.
- a. Will conduct SAR operations starting at first light, three in the morning and three in the afternoon.
- a. Along with SAR, will be conducting an assessment of the shoreline and coastal waters.

24) USN Transport Support

- a. MOFA reconfirmed the request for transport of GSDF Northern Army from Otaru to Akita.
- b. The first 700 GSDF personnel departed by commercial ferry on March 12, but more will follow the next few days, and GSDF would welcome support.

Joe Young
Political-Military Unit Chief
U.S. Embassy, Tokyo
03-3224-5338

SBU
This email is UNCLASSIFIED.

From: RMPACTSU_ELNRC <RMPACTSU_ELNRC@ofda.gov>
Sent: Sunday, March 13, 2011 10:35 AM
To: Marshall, Jane; LIA01 Hoc; LIA07 Hoc; LIA11 Hoc; McIntyre, David
Subject: FW: DOS Nuclear Plant Update - March 13 10:15

Categories: FOIA

FYI

From: CMS TaskForce1C - Coordinator
Sent: Sunday, March 13, 2011 10:18 AM
To: EAP-Staff-Assistants-DL; Patel, Nirav S; SES_DutyDeputies; S_SpecialAssistants; CA-OCS-Duty-Principals; TaskForce-1; Donovan, Joseph R; Deming, Rust M; Maher, Kevin K; D(N); D(S); P; SES-O; DS Command Center
Subject: DOS Nuclear Plant Update - March 13 10:15

New and Updated Information on Nuclear Plants:

- DOE met with Nuclear Industry Safety Agency experts at 0830 EDT with specific technical and safety questions. We expect detailed information from that meeting today and will update throughout the day. (*TFJP01*)
- Embassy Tokyo is holding release of an Emergency Action Committee (EAC) tripwire cable to assess outcomes of these meetings. (*Embassy Tokyo telephone report*)
- Press reports indicated TEPCO announced it was getting ready to flood Fukushima NPP No. 1, reactor No. 2 with sea water to help cool it down. This brings to three the number of reactors TEPCO is trying to cool using sea water (NPP No. 1, Reactors No. 1, 2 and 3). 21:44, March 13, 2011, Sunday. (*Embassy Tokyo media reporting*)
- CCS Edano addressed media in a 0650 EDT local press conference regarding Fukushima reactor No. 3, where the water level has apparently stopped rising despite the continued pumping of sea water. When asked, he acknowledged that this could be a result of faulty gauges, but that in any case, the fuel rods could still be in an exposed state. Work is continuing to fix the valve mechanism and to release some of the pressure in the reactor, and that there have been no changes in the radiation level. Overall, he cautiously concluded that although there is still a possibility of an explosion similar to the reactor No. 1 explosion, the situation, "might be slightly better than yesterday." (*Embassy Tokyo media reporting*)
- According to Yomiuri news, all 11 reactors at the Fukushima and Onnagawa NPPs (both in the heaviest hit region) were automatically shutdown. Out of the 11 reactors, only 3 reactors (Fukushima reactor No. 3 and Onnagawa reactor Nos. 1 and 3) were shut down in "Low Temperature Mode," meaning that the reactor temperatures were under 100

degrees Celsius with pressure at atmospheric levels. Efforts to cool down the other reactors are ongoing. (*Embassy Tokyo media reporting*)

David Atkinson
Japan Task Force Coordinator
202-647-6611

From: Kozal, Jason
Sent: Sunday, March 13, 2011 10:31 AM
To: LIA11 Hoc
Subject: New information

Categories: FOIA

What new information do we have with the developments at the Onagawa site. It appears the IAEA have pushed out info that a state of emergency was declared at the site and 20km evac was ordered due to rad levels exceeding limits at the site boundary.

People hear are very interested of course and concerned about the safety of the USAR task forces.

From: McDermott, Brian
Sent: Sunday, March 13, 2011 12:52 PM
To: RST01 Hoc
Subject: Unit 3 venting

Contains info on FI - U3 vent timing

Brian

Brian McDermott
301-415-7475 (direct)
(b)(6) (mobile)

From: Anderson, Joseph
To: LIA11 Hoc; Miller, Chris; McDermott, Brian
Cc: Thaggard, Mark; Williams, Kevin; Kahler, Robert; Wright, Lisa (Gibney)
Sent: Sun Mar 13 10:12:40 2011
Subject: Fw: WNN Special Update: 13 March 2011

From FEMA

From: Quinn, Vanessa <Vanessa.Quinn@dhs.gov>
To: Anderson, Joseph
Sent: Sun Mar 13 09:18:59 2011
Subject: Fw: WNN Special Update: 13 March 2011

Fyi
Vanessa E. Quinn
Branch Chief, REP Program
Technological Hazards Division
National Preparedness Directorate
DHS/FEMA

From: World Nuclear News <wnn=world-nuclear-news.org@mcsv112.net>
To: Quinn, Vanessa <Vanessa.Quinn@dhs.gov>
Sent: Sun Mar 13 07:40:32 2011
Subject: WNN Special Update: 13 March 2011

SPECIAL UPDATE

[View the WNN Daily in your browser.](#)



13 March 2011

Venting and seawater injection at Fukushima Daiichi unit 3
Operations to relieve pressure in the containment of Fukushima Daiichi 3 have taken place after the failure of a core coolant system. Seawater is being injected to make certain of core cooling.

Tepeco has reported it has not been able to restart unit 3's high pressure injection system after an automatic stop. This left the reactor without sufficient coolant and obligated Tepeco to notify government of an emergency situation.

Preparations for potential pressure relief had already been underway for many hours and Tepeco manually vented the containment between 8.41am and 9.20am on March 13. Injection of fresh water mixed with boron to inhibit nuclear reactions began immediately. Tepeco planned to follow this with sustained injection of seawater

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London, Westminster SW1Y4JH

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From: RMTPACTSU_ELNRC <RMTPACTSU_ELNRC@ofda.gov>
Sent: Sunday, March 13, 2011 9:58 AM
To: LIA01 Hoc; LIA07 Hoc; LIA11 Hoc; Marshall, Jane; OPA Resource
Subject: USAID/DART Japan Earthquake and Tsunami Field Notes #1 - 03.13.11
Attachments: 03.13.11 - USAID-DART Japan Field Notes #1.doc

Categories: FOIA

~~—For Internal USG Use Only—~~

**USAID/DART Japan Earthquake and Tsunami Field Notes #1
03.13.11**

USAID Disaster Assistance Response Team (USAID/DART)

- (b)(5)
-

Urban Search and Rescue

- (b)(5)
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Nuclear Power Plant

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-

(b)(5)

Humanitarian Situation

-
-
-
-

(b)(5)

Humanitarian Response

-
-

(b)(5)

Information Officer
USAID Disaster Assistance Response Team (USAID/DART)
Email: emagee@ofda.gov; emagee@usaid.gov

From: Kozal, Jason
Sent: Sunday, March 13, 2011 1:23 PM
To: Marshall, Jane
Subject: FW: Call tomorrow

This is the e-mail...we have had no verification of participation other than Mike and myself.

From: Kozal, Jason
Sent: Sunday, March 13, 2011 9:29 AM
To: LIA11 Hoc
Cc: Marshall, Jane; Grant, Jeffery; Gott, William; Dudek, Michael
Subject: FW: Call tomorrow

All,

As discussed this morning the Response Management Team Director will be holding a call with Congressional staffers at 1400 daily. Micheal or myself will be on the call but we need to have OCA represented as well. It might be a job for the Congressional liaisons or it might be a job for an ET member supported by the congressional liaisons. We need to determine this prior too the call. We supported this yesterday "without a wire" so to say and luckily the line of questioning did not really venture into the NRC 's perview. Any support in this would be greatly appreciated.

Jason

From: RMTPACTSU_ALOLAC [RMTPACTSU_ALOLAC@ofda.gov]
Sent: Saturday, March 12, 2011 8:04 PM
To: RMTPACTSU_ALOLAC; RMTPACTSU_ELNRC
Cc: (b)(6); Kozal, Jason; Cook, Bette (DCHA/AA) [USAID]
Subject: Call tomorrow

Gentlemen,

Per our conversation earlier, one of you will join the Congressional update call.
Here are the details:

The call will take place at 2:00 pm EST.

Participants can dial in to 202-647-0817 up to fifteen minutes before the scheduled start time and use access code (b)(6)

From: LIA01 Hoc
Sent: Sunday, March 13, 2011 9:21 AM
To: Mike Dudek; LIA07 Hoc; LIA11 Hoc; Kozal, Jason; OPA Resource
Subject: RE: NRC Liaison Status - USAID
Attachments: State Q&A Rev 1.pdf; ET Chronology - 0915 13 March 11.pdf; japantpmarch12.2.docx; USNRC Earthquake-Tsunami Update.031211.0730EST.docx

Categories: FOIA

Hi Mike,

Here's everything you requested except the RST Status 1-pager. I'm working to get you that.

Russ Chazell
Federal Liaison

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

From: Mike Dudek [mailto:(b)(6)]
Sent: Sunday, March 13, 2011 9:09 AM
To: LIA07 Hoc; LIA01 Hoc; LIA11 Hoc; Kozal, Jason; OPA Resource
Subject: NRC Liaison Status - USAID

Good Morning!

Jason Kozal and Michael Dudek have reported to the Reagan Building downtown and have integrated into USAID's Response Management Team (RMT).

Information Needs: Please send us the most up-to-date talking points. Also, please continue to send us (a) updated SITREPS, (b) copies of the RST Status 1-pagers, the updated Q&A, and an updated ET Chronology.

Additionally, if you need any information from Federal partners, please don't hesitate to ask. We have reps from DOD, CBRNE, State, and others at our disposal.

Thanks!
Michael I. Dudek

OPA

TALKING POINTS

JAPAN EARTHQUAKE AND WEST COAST TSUNAMI

As of 3/12/2011 2 p.m. EST

- Two officials from the U.S. Nuclear Regulatory Commission with expertise in boiling water nuclear reactors have deployed to Japan as part of a U.S. International Agency for International Development (USAID) team. USAID is the federal government agency primarily responsible for providing assistance to countries recovering from disaster administering. NEW
- The Nuclear Regulatory Commission has spoken with its counterpart agency in Japan, offering the assistance of U.S. technical experts. Should the Japanese want to make use of U.S. expertise, NRC staffers with extensive background in boiling water reactors are available to assist efforts in Japan.

- The NRC is coordinating its actions with other Federal agencies as part of the U.S. government response.
- The NRC is examining all available information as part of the effort to analyze the event and understand its implications both for Japan and the United States.
- The NRC has regulations in place that require licensees to design their plants to withstand the effects of tsunamis. (10CFR 50, Appendix A, Criterion 2, “Design bases for protection against natural phenomenon” requires licensees to design structures, systems, and components important to safety to withstand the effects of natural phenomenon, including tsunamis.)
- Nuclear power plants are built to withstand environmental hazards, including earthquakes. Even those plants that are located outside of areas with extensive seismic activity are designed for safety in the event of such a natural disaster.
- The NRC requires that safety-significant structures, systems, and components be designed to take into account the most severe natural phenomena historically reported for the site and surrounding area. The NRC then adds a margin for error to account for the historical data’s limited accuracy. In other words, U.S. nuclear power plants are designed to be safe based on historical data from the area’s maximum credible earthquake.

State Q&A's:

Q. What is the radiological consequence of the event in Japan for the U.S.?

A. At this time, there is no indication that materials from the incidents in Japan have the potential to have any significant radiological effect on the U.S.

Q. Are there any protective measures that residents in the U.S. should be considering?

A. No, not given current information.

Q. What is the Federal family, i.e., NRC-EPA-DOE, doing to monitor the radiological consequence of the event in Japan on the United States?

A. The NRC is coordinating its actions with other Federal agencies as part of the U.S. government response. The NRC is examining all available information as part of the effort to analyze the event and understand its implications both for Japan and the United States.

U.S. nuclear power plants have sensitive equipment to monitor the status of radiological conditions. Additionally, personnel at nuclear power plants have specific knowledge in radiological field monitoring techniques and could assist State and Federal personnel in environmental sampling activities, should that be necessary to evaluate public health and safety concerns.

EPA has permanent stationary radiological monitoring stations on the West coast. In the event of a confirmed radiological release with a potential to impact the U.S., EPA is the Federal agency responsible for radiological monitoring. DOE would be responsible for aerial monitoring, should there be a confirmed radiological release.

Non-Public Info For States Only: Questions about any radiological impact on the U.S. West coast is Adora Andy, the Deputy Associate Administrator for EPA's Office of External Affairs: cell is 202.527.5866; email andy.adora@epa.gov

Key Messages:

The NRC is coordinating its actions with other Federal agencies as part of the U.S. government response. The NRC is examining all available information as part of the effort to analyze the event and understand its implications both for Japan and the United States. The NRC's headquarters Operations Center in Rockville, MD has been stood up since the beginning of the emergency in Japan and is operating on a 24-hour basis.

NRC officials in Rockville, MD have spoken with the agency's counterpart in Japan and offered the assistance of U.S. technical experts. Two officials from NRC with expertise in boiling water nuclear reactors have deployed to Japan as part of a U.S. International Agency for International Development (USAID) team. USAID is the federal government agency primarily responsible for providing assistance to countries recovering from disaster administering.

U.S. nuclear power plants are built to withstand environmental hazards, including earthquakes and tsunamis. Even those plants that are located outside of areas with extensive seismic activity are designed for safety in the event of such a natural disaster. The NRC requires that safety-significant structures, systems, and components be designed to take into account the most severe natural phenomena historically estimated for the site and surrounding area.

The NRC will **not** provide information on the status of Japan's nuclear power plants. See NRC's web site at www.nrc.gov or blog at <http://public-blog.nrc-gateway.gov> for the latest information on NRC actions.

For background information on generic operations at a boiling-water reactor, including an animated graphic, visit the NRC's website at www.nrc.gov

Other sources of information:

USAID -- www.usaid.gov

U.S. Dept. of State -- www.state.gov

FEMA -- www.fema.gov

White House -- www.whitehouse.gov

Nuclear Energy Institute -- www.nei.org

International Atomic Energy Agency -- www.iaea.org/press

From: Kozal, Jason
Sent: Sunday, March 13, 2011 9:29 AM
To: Marshall, Jane
Subject: RE: Tony Ulises status

Misawa AFB - American Airforce Base in Japan.

From: Marshall, Jane
Sent: Sunday, March 13, 2011 9:23 AM
To: Kozal, Jason
Subject: Re: Tony Ulises status

To confirm: Tony cannot get transport from (where exactly is he now?) To Tokyo until tomorrow. So Trapp will assist the embassy.
Sent from my NRC Blackberry

From: Kozal, Jason
To: LIA11 Hoc
Cc: Marshall, Jane; McDermott, Brian
Sent: Sun Mar 13 09:20:54 2011
Subject: Tony Ulises status

Just got word that Tony's plane had mechanical problems and did not leave Misawa for Tokyo. The DART team lead is working with DOD for alternate transport. It is likely that Tony will be spending the night at the base. I will update when more info is available.

From: LIA01 Hoc
Sent: Saturday, March 12, 2011 7:27 PM
To: Veal.Lee@epamail.epa.gov
Cc: LIA11 Hoc; Poppell.Sam@epamail.epa.gov; Perry.Dale@epamail.epa.gov;
Andy.Adora@epamail.epa.gov; Fraass.Ron@epamail.epa.gov;
Poppell.Sam@epamail.epa.gov
Subject: RE: Latest NRC SitRep
Categories: FOIA

Thank you for the message. I am now taking over for Russell till 7:00 am tomorrow. We have passed your message on. Susan Salter, Federal Liaison Team, NRC Ops Center

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

From: Veal.Lee@epamail.epa.gov [mailto:Veal.Lee@epamail.epa.gov]
Sent: Saturday, March 12, 2011 7:17 PM
To: LIA01 Hoc
Cc: LIA01 Hoc; LIA11 Hoc; Poppell.Sam@epamail.epa.gov; Perry.Dale@epamail.epa.gov; Andy.Adora@epamail.epa.gov;
Fraass.Ron@epamail.epa.gov; Poppell.Sam@epamail.epa.gov
Subject: RE: Latest NRC SitRep

Hi Russell,

Sorry for the late response...you know how today has gone.

Our primary point of contact is Adora Andy, (cell (b)(6), andy.adora@epa.gov). Adora is working with the DOE and the White House. She will coordinate any of our issues.

EPA will be happy to provide you with our information should we begin seeing any impacts. To date, our RadNet system is not showing any information beyond typical background. This is expected as we've no current information that leads us to believe that there is a domestic impact.

Lee

Lee B. Veal
Director, Center for Radiological Emergency Management Radiation Protection Division Office of Radiation and Indoor
Air Environmental Protection Agency
1310 L Street, NW
Washington DC, 20005
Mail Code: 6608J
202-343-9448
cell (b)(6)

From: LIA01 Hoc <LIA01.Hoc@nrc.gov>

To: Lee Veal/DC/USEPA/US@EPA
Cc: Sam Poppell/MTG/USEPA/US@EPA, LIA01 Hoc <LIA01.Hoc@nrc.gov>, LIA11 Hoc <LIA11.Hoc@nrc.gov>
Date: 03/12/2011 02:45 PM
Subject:RE: Latest NRC SitRep

Hello again Ms. Veal,

Our Executive Team would like EPA to send us any new data your permanent monitoring stations you receive relevant to this event. We would also like to be copied on any EPA press releases.

The NRC Operations Center switchboard number is 301-816-5100 (ask for the Liaison Team) and our email addresses are LIA01.hoc@nrc.gov and LIA11.hoc@nrc.gov.

Thanks again for your assistance.

Best regards,
Russ Chazell
Federal Liaison
NRC Operations Center

From: Kozal, Jason
Sent: Saturday, March 12, 2011 7:22 PM
To: LIA11 Hoc
Subject: Re: International Liaison issue

Categories: FOIA

Sounds good. Nothing really that I haven't passed already. See everyone in the AM. Off topic is the TWF entrance open.

Sent from an NRC BlackBerry
Jason W Kozal

(b)(6)

From: LIA11 Hoc
To: Kozal, Jason
Sent: Sat Mar 12 19:18:04 2011
Subject: RE: International Liaison issue

LT Director says to come back only if you have something to tell us, if not don't worry about.

From: Kozal, Jason
Sent: Saturday, March 12, 2011 7:11 PM
To: LIA11 Hoc
Subject: Re: International Liaison issue

I am heading back. Does anyone want a direct debrief. I will be back at 0700 before heading down. The big things have been information flow and monitoring the status of the DART flights. If nobody needs me to stop in I will just continue home.

Sent from an NRC BlackBerry
Jason W Kozal

(b)(6)

From: LIA11 Hoc
To: Kozal, Jason
Cc: Dudek, Michael
Sent: Sat Mar 12 17:24:41 2011
Subject: RE: International Liaison issue

Oh, OK. They are monitoring it and I will make sure they know to get anything relevant to the DART field team. They say nothing has been posted on it for a bit.

Beth

From: Kozal, Jason
Sent: Saturday, March 12, 2011 5:16 PM
To: LIA11 Hoc

Cc: Dudek, Michael
Subject: RE: International Liaison issue

Not if they post anything..if the Japanese post anything.

From: LIA11 Hoc
Sent: Saturday, March 12, 2011 5:14 PM
To: Kozal, Jason
Cc: Dudek, Michael
Subject: RE: International Liaison issue

Jason,

They said they have read-only rights to the site so they have not posted anything today.

From: Kozal, Jason
Sent: Saturday, March 12, 2011 5:00 PM
To: LIA11 Hoc
Cc: Dudek, Michael
Subject: International Liaison issue

Federal Liaison,

Mike Dudek and I are here down at the RMT and have a question. Please ask the International Liaison if there has been any thing posted on ENAC. If so could you pass it to us so we can make sure any relevant information gets to the Disaster Assistance Response Team (DART - field team). We will need this passed as new information becomes available.

Thanks,

Jason

From: Richardson, Joel (HHS/ASPR/OPEO) <Joel.Richardson@hhs.gov> on behalf of OS
Secretarys Operations Center <hhs.soc@hhs.gov>
Sent: Saturday, March 12, 2011 6:45 PM
To: LIA11 Hoc
Cc: OS Secretarys Operations Center
Subject: RE: TEPCO Press Release

Categories: FOIA

Ma'am,

Thanks much for your assistance. Appreciate the help!

V/R,

LT Richardson

From: LIA11 Hoc [mailto:LIA11.Hoc@nrc.gov]
Sent: Saturday, March 12, 2011 6:43 PM
To: OS Secretarys Operations Center
Subject: TEPCO Press Release

Lt. Richardson,

Below is the website to TEPCO, you will find all press releases developed for this event. I hope this helps.
<http://www.tepco.co.jp/en/press/corp-com/release/index-e.html>

Beth Reed
NRC Federal Liaison
301-816-5186

From: Kozal, Jason
Sent: Saturday, March 12, 2011 4:29 PM
To: Marshall, Jane
Cc: LIA11 Hoc; Dudek, Michael
Subject: Staffing plan for USAID Response Management Team

Categories: FOIA

All,

We just finalized what the plan is for staffing for USAID RMT. Micheal Dudek and myself will staff it dayshift with no inperson support on the night shift. Mike and I will show up in the ops center at 0700 for a briefing and then head down. We will return at 1800 to debrief, and subsequently participate in the call with the Disaster Assistance Response Team from HQ. This call will be at varying times of the day, but we will target to be back in the ops center at 1800 for a face to face with the LT and senior managers if necessary.

If things continue to degrade we may need to consider a second shift but the Response Manager does not think it necessary at this time as long as there is sufficient reachback. That reachback will be through the Federal Liaison on the backshift between 1900 and 0700.

Let me know if there are any questions or concerns.

Jason

From: LIA11 Hoc
Sent: Saturday, March 12, 2011 4:06 PM
To: Kozal, Jason
Subject: RE: Your Location?

Categories: FOIA

Patrick O'Brien is the person asking.

From: Kozal, Jason
Sent: Saturday, March 12, 2011 4:00 PM
To: LIA11 Hoc
Subject: RE: Your Location?

Yes we are..We are actually members of the Response Management Team. Are they looking for us, because I have been talking to the state rep here frequently.

From: LIA11 Hoc
Sent: Saturday, March 12, 2011 3:59 PM
To: Mike Dudek; Kozal, Jason
Subject: Your Location?

DoS is asking if NRC has anyone at USAID and where are you located. Are you in the Reagan Building? Thanks!

Beth

From: LIA11 Hoc
Sent: Saturday, March 12, 2011 3:20 PM
To: Mike Dudek; Kozal, Jason
Subject: Talking Points
Attachments: OPA Talking Points 2.docx

Attached are the latest talking points.

From: LIA11 Hoc
Sent: Saturday, March 12, 2011 4:10 PM
To: LIA04 Hoc
Subject: FW: Questions on Impact on U.S. West Coast from Japanese Reactor Accident

FYI

From: Anderson, Joseph
Sent: Saturday, March 12, 2011 3:06 PM
To: LIA11 Hoc
Subject: Fw: Questions on Impact on U.S. West Coast from Japanese Reactor Accident

FYI

From: Perry.Dale@epamail.epa.gov <Perry.Dale@epamail.epa.gov>
To: Greten, Timothy <Timothy.Greten@dhs.gov>
Cc: Kirin, Alexandra <alexandra.kirin@dhs.gov>; O'Boyle, Seamus <Seamus.O'Boyle@dhs.gov>; Kish, James <James.Kish@dhs.gov>; Quinn, Vanessa <Vanessa.Quinn@dhs.gov>; Coons, Albert <albert.coons@dhs.gov>; Sherwood, Harry <harry.sherwood@dhs.gov>; Horwitz, Steve <steve.horwitz@dhs.gov>; McDermott, Brian; Gorman, Chad <Chad.Gorman@dhs.gov>; Miller, Chris; Gruber, Corey <Corey.Gruber@dhs.gov>; cym3 <cym3@cdc.gov>; Daniel Blumenthal <daniel.blumenthal@nnsa.doe.gov>; Daigler, Donald <Donald.Daigler@dhs.gov>; Schumann.Jean@epamail.epa.gov <Schumann.Jean@epamail.epa.gov>; Anderson, Joseph; Wright, Lisa (Gibney); Colleen O'Laughlin <OLaughlin@nv.doe.gov>; Farmer, Robert <Robert.Farmer@dhs.gov>; DeCair.Sara@epamail.epa.gov <DeCair.Sara@epamail.epa.gov>; Fiore, Craig <craig.fiore@dhs.gov>; Veal.Lee@epamail.epa.gov <Veal.Lee@epamail.epa.gov>; Edwards.Jonathan@epamail.epa.gov <Edwards.Jonathan@epamail.epa.gov>; Poppell.Sam@epamail.epa.gov <Poppell.Sam@epamail.epa.gov>; Perrin.Alan@epamail.epa.gov <Perrin.Alan@epamail.epa.gov>; Wieder.Jessica@epamail.epa.gov <Wieder.Jessica@epamail.epa.gov>; Shields.Glenna@epamail.epa.gov <Shields.Glenna@epamail.epa.gov>; Burnett.Helen@epamail.epa.gov <Burnett.Helen@epamail.epa.gov>; McMichael.Nate@epamail.epa.gov <McMichael.Nate@epamail.epa.gov>
Sent: Sat Mar 12 14:42:58 2011
Subject: Re: Questions on Impact on U.S. West Coast from Japanese Reactor Accident

Hi Tim,

Adora Andy, the Deputy Assoc Administrator for EPA's Office of External Affairs will be the primary contact for inquiries. Her cell is (b)(6) and email is andy.adora@epa.gov

Thanks,
Dale

Dale H. Perry, Ph.D.
Senior Advisor for Science and Crisis Communications
Office of External Affairs & Environmental Education
U.S. Environmental Protection Agency
1200 Pennsylvania Ave NW
Mail Code 1701A, Room 2501E
Washington, D.C. 20460

Desk: 202.564.7338

Cell: (b)(6)
Fax: 202.501.1770

From: "Greten, Timothy" [Timothy.Greten@dhs.gov]
Sent: 03/12/2011 01:44 PM EST
To: Dale Perry
Cc: "Kirin, Alexandra" <alexandra.kirin@dhs.gov>; "O'Boyle, Seamus" <Seamus.O'Boyle@dhs.gov>; "Kish, James" <James.Kish@dhs.gov>; "Quinn, Vanessa" <Vanessa.Quinn@dhs.gov>; "Coons, Albert" <albert.coons@dhs.gov>; "Sherwood, Harry" <harry.sherwood@dhs.gov>; "Horwitz, Steve" <steve.horwitz@dhs.gov>; "Kirin, Alexandra" <alexandra.kirin@dhs.gov>; "brian mcdermott" <brian.mcdermott@nrc.gov>; "Gorman, Chad" <Chad.Gorman@dhs.gov>; "Chris Miller" <Chris.Miller@nrc.gov>; "Gruber, Corey" <Corey.Gruber@dhs.gov>; "cym3" <cym3@cdc.gov>; "Daniel Blumenthal" <daniel.blumenthal@nmsa.doe.gov>; "Daigler, Donald" <Donald.Daigler@dhs.gov>; Jean Schumann; "Joseph Anderson" <Joseph.Anderson@nrc.gov>; "Lisa Wright" <Lisa.Wright@nrc.gov>; "Colleen O'Laughlin" <OLaughlin@nv.doe.gov>; "Farmer, Robert" <Robert.Farmer@dhs.gov>; Sara DeCair; "O'Boyle, Seamus" <Seamus.O'Boyle@dhs.gov>; "Fiore, Craig" <craig.fiore@dhs.gov>; Lee Veal; Jonathan Edwards; Sam Poppell; Alan Perrin; Dale Perry; Jessica Wieder; Glenna Shields; Helen Burnett; Nate McMichael; "Sherwood, Harry" <harry.sherwood@dhs.gov>; "Horton, Douglas" <Douglas.Horton@dhs.gov>; "Balint, Thomas" <Thomas.Balint@dhs.gov>; "DeFelice, Anthony" <anthony.defelice@dhs.gov>; "Mroz (Sahm), Sara" <Sara.Mroz@nrc.gov>; Sara DeCair
Subject: Questions on Impact on U.S. West Coast from Japanese Reactor Accident

Dale
Good morning!

FEMA HQ and Regions are receiving questions about how radioactive releases (either actual or potential) from the damaged Japanese power plants might affect the U.S. The principal question here is: "Is there a uniform message coming from the feds on the potential impact of this on west coast population?"

I spoke w/Lee Veal several times last night, and she indicated you were heading up EPA's messaging effort on this topic.

How would you like queries to be steered to EPA (and who on your team should they be sent to)?
Is EPA going to be releasing messages on this topic (and have you begun doing that already)?
And finally, is there anything FEMA can do to help you out?

Thanks in advance!

Tim

Timothy A. Greten, PMP
Technological Hazards Division Deputy Director/
Federal Radiological Preparedness Coordination Committee Executive Secretariat
FEMA National Preparedness Directorate
Department of Homeland Security
1800 South Bell St.
Arlington, VA, 22202
timothv.greten@dhs.gov
office: (202) 646-3907
cell: (b)(6)

From: Fiore, Craig
Sent: Saturday, March 12, 2011 1:08 PM
To: Kish, James; Greten, Timothy; Quinn, Vanessa; Coons, Albert; Sherwood, Harry; Horwitz, Steve
Subject: Fw: Any Thoughts or Feedback on Below?
Importance: High

OK...it has begun!!! Mr. Abou-Taleb's question below, "Is there a uniform message coming from the feds on the potential impact of this on west coast population?" is likely going to be the major one we will faced with from here on. are we prepared to respond? What is the uniform Fed (FEMA/NRC/DOE/EPA) message going to be? And when is it going to be released?

Any thoughts/insights on this?

-CF

Sent from the BlackBerry of Craig J. Fiore

From: Lee Shin <Lee.Shin@calema.ca.gov>
To: 'Bill.Maier@nrc.gov' <Bill.Maier@nrc.gov>; 'richard.echavarria@dhs.gov' <richard.echavarria@dhs.gov>; 'craig.fiore@dhs.gov' <craig.fiore@dhs.gov>
Sent: Sat Mar 12 12:49:44 2011
Subject: Any Thoughts or Feedback on Below?

Any input would be appreciated. Lee

From: Moustafa Abou-Taleb
To: Peg Taylor; Mark R. Johnson; Lee Shin; Bill Potter; Michael Warren; Lynne Olson
Sent: Sat Mar 12 09:47:53 2011
Subject: Re: Nuc explosion

The question I'm getting from execs is what intel/info, if any, are we getting through our regular channels (NRC, FEMA, CDPH). Is there a uniform message coming from the feds on the potential impact of this on west coast population? I might get us all together on a call today. I will inform you ahead of time. Thanks, and what timing with your upcoming drill. No pressure, but the whole world will be watching now!

From: Peg Taylor
To: Moustafa Abou-Taleb; Mark R. Johnson
Sent: Sat Mar 12 09:37:45 2011
Subject: Fw: Nuc explosion

From: Bill Potter
To: Peg Taylor
Cc: Cindy Nolan; Kenneth Peel; Lee Shin; Lynne Olson; Michael Warren; Wendy Gibson
Sent: Sat Mar 12 09:14:27 2011
Subject: RE: Nuc explosion

OK.

First, this is bad. But in that "bad" there are some really good points.

The reactor in Fukushima is a Boiling Water Reactor (BWR) and not like the ones we have which are Pressurized Water Reactors (PWR). That means that the containment structure is smaller. Also the BWR has 5 barriers as opposed to the 3 we have in the PWR, I quote from wikipedia:

There are five levels of shielding:

1. The fuel rods inside the reactor pressure vessel are coated in thick Zircalloy shielding;
2. The reactor pressure vessel itself is manufactured out of 6-inch-thick (150 mm) steel, with extremely high temperature, vibration, and corrosion resistant surgical stainless steel grade 316L plate on both the inside and outside;
3. The primary containment structure is made of steel 1 inch thick;
4. The secondary containment structure is made of steel-reinforced, pre-stressed concrete 1.2–2.4 meters (4–8 ft) thick.

(3 and 4 are what make up our containment structure)

5. The reactor building (the shield wall/missile shield) is also made of steel-reinforced, pre-stressed concrete 0.3 m to 1 m (1–3 feet) thick.

Number 5 is the only real additional barrier and this was destroyed in the explosion.

The explosion was caused by the build up of hydrogen which is caused by uncovering the fuel in the reactor vessel. It vents into the space in between the containment and the building and with a spark ignites and explodes. (its at pressure so acts a little differently than when not)

Second: With the initial damage by the earthquake on piping, steam generators and condensers, there are paths from inside the internal containment structure to the atmosphere (speculation on my part, I don't know if this is the path at this time). This accounts for increased radiation readings at the site boundary.

Third: They uncovered the core and have fuel damage. which means that the first barrier is compromised and uncontrolled fuel is circulating in the reactor core.

Make no mistake this is a GENERAL EMERGENCY in the US.

Forth: Things are reportedly getting better.

They are pumping water in which is borated to reduce the neutron activity and stop fission thus reducing heat build up. Reducing the heat reduces pressure which reduces the amount of radioactive material released by the reactor.

They have performed controlled releases of steam which reduces pressure, allowing the systems to shed more heat into containment, reducing the stress on the system. (they did this at TMI)

These actions give them time. Precious time. Time to bring the existing protection systems back online to fight for control of the reactor.

In conclusion, I think they have a situation that is already worse than Three Mile Island but orders of magnitude less bad than Chernobyl. With time they will continue to win the fight, but if there are any more significant setbacks this may result in a catastrophic failure of containment.

Even with all that lets take a reality check. How many people are dead or dying from the tsunami? How many people are desperately hanging on to survive today? How many have died from the reactor or can really be harmed by it? Whats worse?

Now that you understand it from my vantage point, how do I really answer your question? This is bad, it could get worse. Or it may not.

From: Peg Taylor
Sent: Saturday, March 12, 2011 8:23 AM
To: Bill Potter
Subject: Nuc explosion

So how bad does this look in your opinion?

From: Marshall, Jane
Sent: Saturday, March 12, 2011 3:31 PM
To: 'RMTPACTSU_ELNRC@ofda.gov'
Subject: Re: DART/RMT org charts

Yes, please both plan to continue there.
Sent from my NRC Blackberry

From: RMTPACTSU_ELNRC <RMTPACTSU_ELNRC@ofda.gov>
To: Marshall, Jane
Sent: Sat Mar 12 15:16:57 2011
Subject: FW: DART/RMT org charts

Jane,

Look NIMS attached. We will need to support this for the foreseeable future, at least until mid-week. They set Mike and I up with IT access (as you made have noticed based on the funky E-Mail). This really is where the operation is being run out of. Based on the work it took to get us integrated into the team, we should probably stick with us as the NRC reps until we can dial the response back.

I will discuss with the director on how they want us to support this (hours wise). Obviously, this will impact NLE related activities we had scheduled for the week. I will talk to Sally on Monday to kind of get her "turned over" on the NLE stuff until this is over.

Let me know what your thoughts are on this.

Jason

From: RMTPACTSU_DMO
Sent: Saturday, March 12, 2011 2:08 PM
To: RMT_PACTSU; DART_PACTSU
Cc: Chan, Carol(DCHA/OFDA) [USAID]; Lauer, Aimee (DCHA/OFDA) [USAID]; Bartolini, Mark (DCHA/OFDA) [USAID]
Subject: DART/RMT org charts

Dear DART and RMT members,

Attached please find the team org charts. I'm sure there are mistakes, so please send me your corrections. I believe everyone on the org charts, with the exception of Dave Stone (his account is being created now), has been added to the relevant e-mail groups.

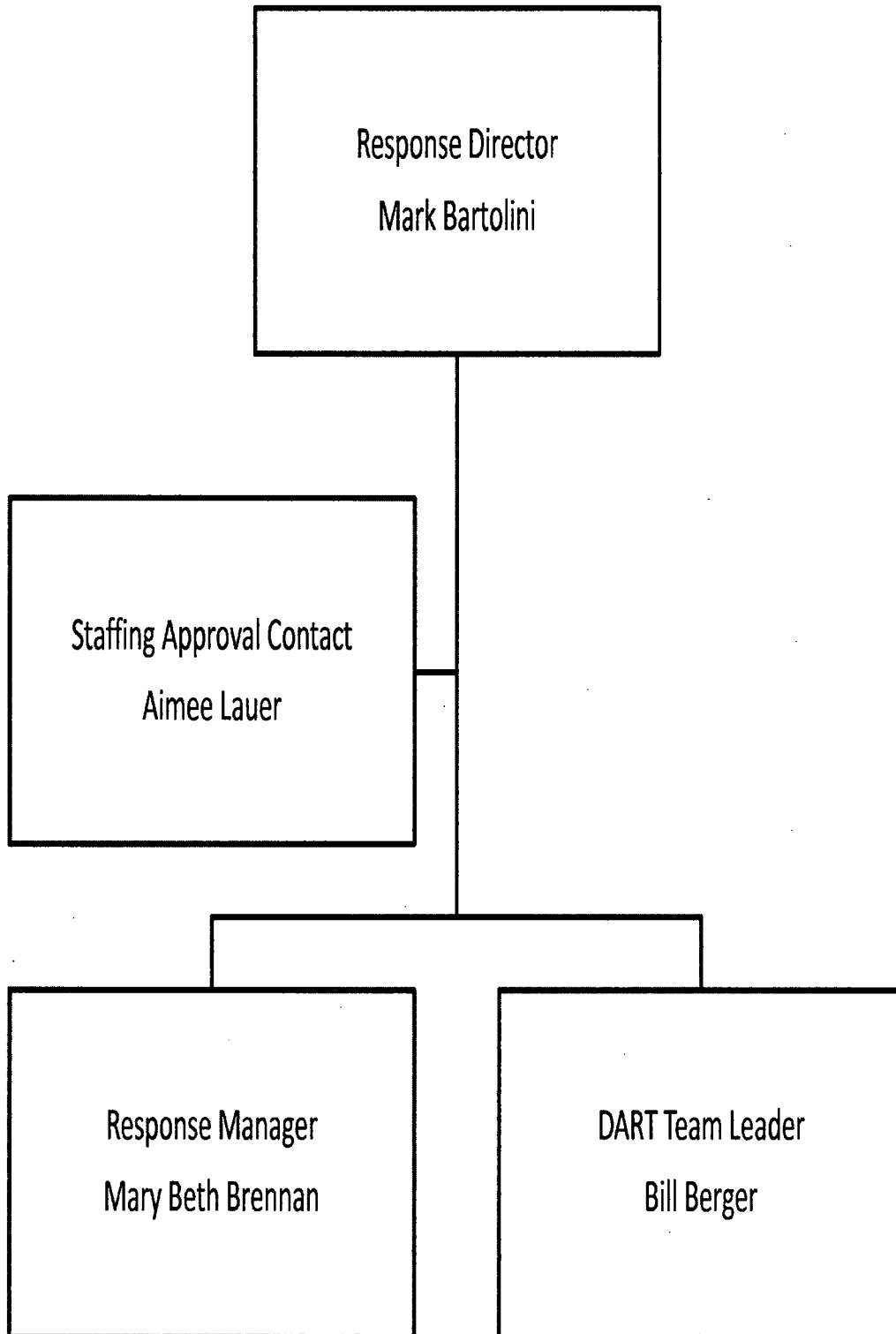
When sending information that the entire DART would benefit from, please use: DART_PACTSU@ofda.gov. When e-mailing information for the entire RMT, please use: RMT_PACTSU@ofda.gov.

Katie will send out an updated contact list shortly. It is critical that everyone take 5 minutes to review the information on the contact lists for accuracy. Please send updates to the contact list to Katie at RMTPACTSU_CRC@ofda.gov.

Thanks!

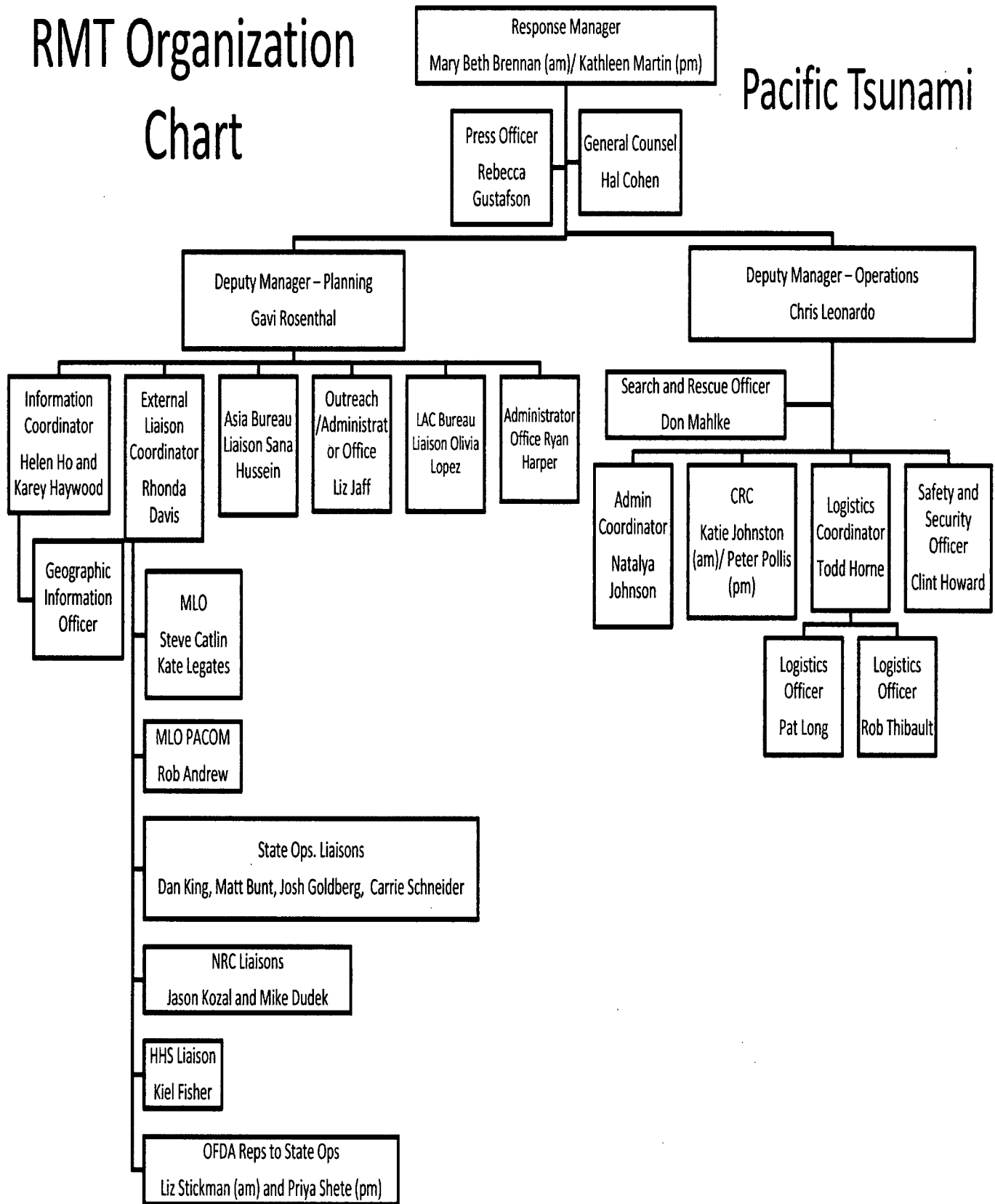
Chris Leonardo
Deputy Manager for Operations
Pacific Tsunami Response Management Team
RMPACTSU_DMO@ofda.gov
202-712-0039

Pacific Tsunami Response - Senior Management

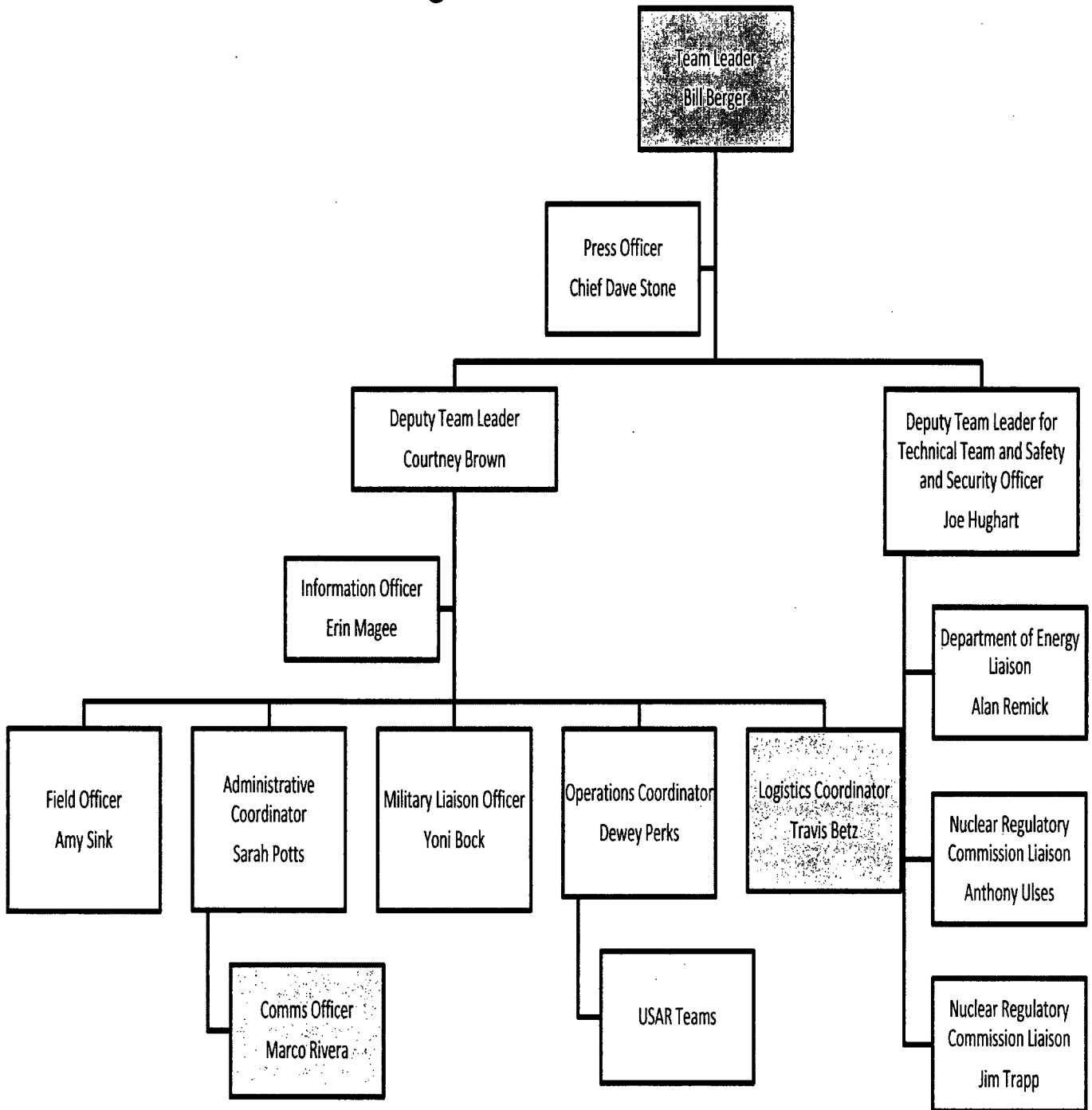


RMT Organization Chart

Pacific Tsunami



Pacific Tsunami - DART Organization Chart



From: Mike Dudek <(b)(6)>
Sent: Saturday, March 12, 2011 2:44 PM
To: Kozal, Jason; LIA11 Hoc
Cc: (b)(6)
Subject: Box of Blackberry's

Categories: FOIA

Jim,

I raised your concerns about not receiving information about the "box of blackberry's" to my counterpart (Natalya) at USAID. Natalya stated that their communications expert is actually being dispatched and flying over to Japan separately and will be taking the box with him. You no longer have to worry about the box of blackberry's.

Travel safely! Please let me know if you need any additional information!
Michael I. Dudek

--- On Sat, 3/12/11, LIA11 Hoc <LIA11.Hoc@nrc.gov> wrote:

From: LIA11 Hoc <LIA11.Hoc@nrc.gov>
Subject: NEW Contact Info
To: "Mike Dudek" <(b)(6)>, "Kozal, Jason" <Jason.Kozal@nrc.gov>
Cc: "(b)(6)" <(b)(6)>
Date: Saturday, March 12, 2011, 1:32 PM

Mike,

Jim Trapp has requested that all e-mails for him now be sent to his personal blackberry. He is having difficulties viewing them on the NRC device. His e-mail is:

(b)(6)

Thanks!

Beth

From: LIA11 Hoc
Sent: Saturday, March 12, 2011 2:25 PM
To: Mike Dudek; Kozal, Jason
Subject: SITREP

Just in case you did not get it earlier here is the most recent.

Beth Reed

From: LIA02 Hoc
Sent: Saturday, March 12, 2011 2:14 PM
To: LIA11 Hoc
Subject: FW: NRC/DOE DART Assistance

Importance: High

Categories: FOIA

FYI

From: RMTPACTSU_AC [mailto:RMTPACTSU_AC@ofda.gov]
Sent: Saturday, March 12, 2011 10:59 AM
To: LIA02 Hoc; Trapp, James; Trapp, James; Sink, Amy (BFS) [USAID]; Ulses, Anthony; Potts, Sarah(DCHA/OFDA) [USAID]; Beed, John [USAID]; Berger, William (RDMA/OFDA) [USAID]; Brown, Courtney; Remick, Alan; nitops@nnsa.doe.gov
Subject: NRC/DOE DART Assistance
Importance: High

Good morning:

Jim Trapp: can you please confirm your ETD/ETA? Also, send me your new itinerary, if available. Thanks much! Also, we are working on setting up OFDA email accounts for you, Tony Ulses and Alan Remick (DOE). These accounts will be set up on OFDA Blackberries. We will request your assistance in carrying these BBs to Japan. Please get in touch with me ASAP to coordinate blackberries delivery/pick up time and place. You have been added to the email distribution list dart_pactsu@ofda.gov.

Please note that your initial POC in Tokyo is Amy Sink ((b)(6)). She takes care of logistics and hotel reservations (among many other things) until Sarah Potts arrives in country on Sunday (her number is (b)(6)). She will be able to put you in touch with a POC at the Embassy and respective POCs with Government of Japan.

Please note that the DART Team Leader is Bill Berger, who's already in Tokyo. His email (cc'ed here) is wberger@usaid.gov or wberger@ofda.gov. His Deputy Team Leader, Courtney Brown, arrives in country on March 14th. His email is cobrown@ofda.gov.

I will be sending you the internal contact list shortly.

Please do not hesitate to contact me with any questions or concerns.

~Natalya Johnson

*Admin Coordinator
Pacific Tsunami and Japan Earthquake Response Management Team
USAID/DHCA/OFDA
Rmtpactsu_ac@ofda.gov
202-712-0039*

From: LIA02 Hoc <LIA02.Hoc@nrc.gov>
To: OFDAGOV: RMTFACTSU_AC
Cc: Johnson, Natalya (DCHA/OFDA); Ulses, Anthony <Anthony.Ulses@nrc.gov>; Trapp, James <James.Trapp@nrc.gov>
Sent: Sat Mar 12 08:30:46 2011
Subject: RE: NRC DART Assistance
We were just notified that Jim's departure from Dulles has been delayed until 16:35.

Eric

From: RMTFACTSU_AC [mailto:RMTFACTSU_AC@ofda.gov]
Sent: Saturday, March 12, 2011 8:26 AM
To: LIA02 Hoc
Cc: Johnson, Natalya (DCHA/OFDA) [USAID]; Ulses, Anthony; Trapp, James
Subject: RE: NRC DART Assistance

Thanks much.

Dear Tony and Jim – I will appreciate if you can provide me with ongoing updates on your whereabouts (wheels up, departure, arrival, hotel, etc).

My direct numbers are 202-712-0031 and [(b)(6)]. My alternate email is njohnson@usaid.gov.

Please get in touch with other DART team members as soon as you're in Tokyo. You are on DART distribution list DART_PACTSU@ofda.gov

We are working on sending blackberries to you with OFDA.GOV email access (we will provide you with OFDA email accounts). Please stay tuned.

Regards
~Natalya Johnson

*Admin Coordinator
Pacific Tsunami and Japan Earthquake Response Management Team
USAID/DHCA/OFDA
Rmtpactsu_ac@ofda.gov
202-712-0039*

From: LIA02 Hoc [mailto:LIA02.Hoc@nrc.gov]
Sent: Saturday, March 12, 2011 8:21 AM
To: RMTFACTSU_AC
Cc: Johnson, Natalya (DCHA/OFDA) [USAID]; Ulses,Anthony; Trapp, James
Subject: RE: NRC DART Assistance

Tony's doesn't have an international blackberry, but is carrying a international satellite phone. The number is [(b)(6)] [(b)(6)]. His email address is Anthony.ulses@nrc.gov

Jim's email address is james.trapp@nrc.gov. His doesn't have a blackberry that works internationally. He will buy one there.

From: RMTFACTSU_AC [mailto:RMTFACTSU_AC@ofda.gov]
Sent: Saturday, March 12, 2011 7:59 AM
To: LIA02 Hoc

Cc: Johnson, Natalya (DCHA/OFDA) [USAID]

Subject: FW: NRC DART Assistance

Good morning, Eric and Kirk:

Thanks much for the information. I need email addresses as well as phone/BB numbers for both Jim and Anthony.

~Natalya

*Admin Coordinator
Pacific Tsunami and Japan Earthquake Response Management Team
USAID/DHCA/OFDA
Rmtpactsu_ac@ofda.gov
202-712-0039*

From: LIA02 Hoc <LIA02.Hoc@nrc.gov>
To: Johnson, Natalya (DCHA/OFDA)
Sent: Sat Mar 12 07:45:55 2011
Subject: FW: NRC DART Assistance

From: LIA02 Hoc
Sent: Saturday, March 12, 2011 7:38 AM
To: 'rmtpectsu_ac@ofda.gov'
Cc: 'rmtpectsu_dmo@ofda.gov'; 'rmtpectsu_lc@ofda.gov'
Subject: NRC DART Assistance

Natalia –

Country Clearance Information

Name: James Trapp

Emergency Contact Name, Relationship and Phone:

In addition, please find a statement-of-work and bios for Mr. Trapp and Mr. Ulses attached.

Do you know who will meet Mr. Trapp in Norita airport?

NRC is working to get a liaison back down to USAID.

At this point, I leave you in my colleague Kirk Foggie's very able hands. Is there anything else you need?

Thanks,
Eric

From: McNamara, Nancy
Sent: Sunday, March 13, 2011 1:21 PM
To: Tift, Doug; Maier, Bill; Barker, Allan; Logaras, Herral; Woodruff, Gena; Trojanowski, Robert
Cc: Virgilio, Rosetta; LIA04 Hoc
Subject: NEI's Information on the Japanese earthquake and reactors in that region

Here is another link that you can pass on. As you can see from below, you can click on the "dedicated page" and it forwards you to the NEI website that is following this. Its got updates and good schematics of the Japanese design.

From: Richiey Hayes [mailto:slh@nei.org]
Sent: Saturday, March 12, 2011 12:09 PM
To: McNamara, Nancy
Subject: Information on the Japanese earthquake and reactors in that region



A [dedicated page](#) on NEI's website provides current information on the status of Japan's nuclear plants in the wake of the country's earthquake. Included are links to information from the Japan Industry Forum (JAIF), Japan's Nuclear and Industrial Safety Agency (NISA), Tokyo Electric Power Company and Tokohu Electric Power Company. Also provided on the web page is a link to NEI's fact sheet, "Nuclear Plants Designed and Constructed to Withstand Earthquakes".

NEI will provide periodic updates on the current status of events in Japan and on tsunami preparations for West Coast nuclear facilities.

Click [here](#) to unsubscribe



From: Kozal, Jason
Sent: Saturday, March 12, 2011 12:07 PM
To: LIA11 Hoc
Subject: Re: Talking points

Thanks

Sent from an NRC BlackBerry
Jason W Kozal

(b)(6)

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

From: LIA11 Hoc
To: Kozal, Jason
Sent: Sat Mar 12 12:06:18 2011
Subject: RE: Talking points

I just sent you the most recent.

Beth

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

From: Kozal, Jason
Sent: Saturday, March 12, 2011 12:06 PM
To: LIA11 Hoc
Subject: Talking points

Folks,

We need updated talking points as soon as possible. The Administrator of USAID is briefing some congressional staffers at 1400 and would like to have them soon as possible.

Thanks,

Jason

Sent from an NRC BlackBerry
Jason W Kozal

(b)(6)

From: LIA11 Hoc
Sent: Saturday, March 12, 2011 11:46 AM
To: Wright, Lisa (Gibney)
Subject: RE: Checking in

Categories: FOIA

301-816-5186. thanks!!

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

From: Wright, Lisa (Gibney)
Sent: Saturday, March 12, 2011 11:36 AM
To: LIA11 Hoc
Subject: Re: Checking in

What's your phone# there? I will have Ned call you now that we've landed. :-). Ned is the coffee King Sent from my NRC blackberry Lisa Gibney To reach me please call

(b)(6)

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

From: LIA11 Hoc
To: Wright, Lisa (Gibney)
Sent: Sat Mar 12 09:11:23 2011
Subject: RE: Checking in

Thanks, yeah both Vanessa and Jim are on our distro list.

OK, I've just been asked to ask you a very important question. Where is the coffee urn, and how do you use it? How much coffee grinds do you put in it? Jeff Temple is asking.

Beth

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

From: Wright, Lisa (Gibney)
Sent: Saturday, March 12, 2011 8:34 AM
To: LIA11 Hoc
Subject: Re: Checking in

Thanks. I left email for Vanessa, Jim Kish and a couple others.

It just helps keep my "day job" in tact. (But you already get that!) Thanks. :-) Sent from my NRC blackberry Lisa Gibney To reach me please call

(b)(6)

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

From: LIA11 Hoc
To: Wright, Lisa (Gibney)

Sent: Sat Mar 12 08:24:41 2011

Subject: RE: Checking in

Hi Lisa this is Beth Reed, yes the Federal desk is staffed. I am glad you mentioned the status updated to FEMA. They are on the distro list and was sent our SITREP at 0400 this morning. I will be sure to include them on any e-mail updates that are sent.

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

From: Wright, Lisa (Gibney)

Sent: Saturday, March 12, 2011 8:19 AM

To: LIA01 Hoc; LIA11 Hoc

Subject: Checking in

Good morning! Just checking to see if we are still staffing the Liaison Team?

If anyone is on the Federal desk I just wanted to confirm that we still were sending period status or updates to FEMA? (That's my "day job" so I'm trying to keep our good working relationship)

If it's slow you can give me a call at (b)(6)

Thanks for responding

Lisa Gibney Wright

Sent from my NRC blackberry

Lisa Gibney

To reach me please call

(b)(6)

From: LIA11 Hoc
Sent: Saturday, March 12, 2011 11:44 AM
To: LIA07 Hoc
Subject: List
Attachments: Japan Earthquake Distro list.docx

Categories: FOIA

NRC Sit Rep#1 has been provided at 1500hrs on 3/11/11 to:

Thomas.Hipschman@nrc.gov

Michael.Marshall@nrc.gov

Joshua.Batkin@nrc.gov

Patrick.Castleman@nrc.gov

Michael.Snodderly@nrc.gov

William.Orders@nrc.gov

Patrice.Bubar@nrc.gov

Mike.Franovich@nrc.gov

Brian.Wittick@nrc.gov

James.Andersen@nrc.gov

James.Trapp@nrc.gov

Eric.Leeds@nrc.gov

Eliot.Brenner@nrc.gov

Charles.Miller@nrc.gov

Jim.Wiggins@nrc.gov

Michael.Johnson@nrc.gov

Brian.Sheron@nrc.gov

Rebecca.Schmidt@nrc.gov

Catherine.Haney@nrc.gov

Patti.Pace@nrc.gov

Belkys.Sosa@nrc.gov

Ho.Nieh@nrc.gov

Jeffry.Sharkey@nrc.gov

Holly.Harrington@nrc.gov

Michael Dudek (b)(6)

Bill.Maier@nrc.gov

Linda.Howell@nrc.gov

Dan.Dorman@nrc.gov

Rebecca.schmidt@nrc.gov

Brian.McDermott@nrc.gov

External Distribution

Vanessa.Quinn@dhs.gov

Michelle.Ralston@dhs.gov

Albert.Coons@dhs.gov

Harry.Sherwood@dhs.gov

James.Kish@dhs.gov

Seamus.O'boyle@dhs.gov

Timothy.Greten@dhs.gov

(b)(6) (DoD Defense Threat Reduction Agency – DTRA functional account)

(b)(6) (DoD Intelligence Agency)

(b)(6) (DoD Command Navy Installations Command functional account)

cmc-01@dot.gov (Dot Crisis Action Team)

peter.lyons@hq.doe.gov

From: Wright, Lisa (Gibney)
Sent: Saturday, March 12, 2011 11:39 AM
To: Anderson, Joseph
Subject: Re: Japan Emergency

Yes the HOOs went to ENAC frequently yesterday.

Sent from my NRC blackberry

Lisa Gibney

To reach me please call

(b)(6)

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

From: Anderson, Joseph

To: McDermott, Brian; Gott, William; Marshall, Jane

Cc: Miller, Chris; McDermott, Brian; Thaggard, Mark; Wright, Lisa (Gibney); LIA11 Hoc; 'vanessa.quinn@dhs.gov' <vanessa.quinn@dhs.gov>; 'harry.sherwood@dhs.gov' <harry.sherwood@dhs.gov>

Sent: Sat Mar 12 11:05:06 2011

Subject: Fw: Japan Emergency

From Marty Hug at NEI. Are HOOs or are 11:04:56 AM aware of this NEI site?

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

From: HUG, Martin <mth@nei.org>

To: Anderson, Joseph

Cc: PERKINS-GREW, Susan <spg@nei.org>

Sent: Sat Mar 12 10:36:16 2011

Subject: RE: Japan Emergency

Joe:

Is the HOO receiving ENAC reports from the IAEA EOC? ENAC is a web based application IAEA uses for sharing event information.

Here is the link to the NEI public web page where NEI is posting information.

<http://www.nei.org/newsandevents/information-on-the-japanese-earthquake-and-reactors-in-that-region>

Marty

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

From: Anderson, Joseph [mailto:Joseph.Anderson@nrc.gov]

Sent: Saturday, March 12, 2011 10:29 AM

To: PERKINS-GREW, Susan

Cc: HUG, Martin

Subject: Japan Emergency

This is like watching an EP exercise scenario play out in real time!

Can you keep me advised of what NEI puts out from an EP perspective and I will do the same?

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Sent through mail.messaging.microsoft.com

From: Anderson, Joseph
Sent: Saturday, March 12, 2011 11:03 AM
To: LIA11 Hoc; Miller, Chris; McDermott, Brian; Thaggard, Mark
Cc: Wright, Lisa (Gibney); Williams, Kevin; Kahler, Robert; 'vanessa.quinn@dhs.gov'; 'harry.sherwood@dhs.gov'
Subject: Fw: Japanese Earthquake and Tsunami--10:00 am Saturday
Categories: FOIA

Latest NEI update to its members on NRC activities.

From: ANDERSON, Ellen <exa@nei.org>
To: Anderson, Joseph
Sent: Sat Mar 12 10:41:39 2011
Subject: Fw: Japanese Earthquake and Tsunami--10:00 am Saturday

From: FLINT, Alex
Sent: Saturday, March 12, 2011 07:37 AM
To: ZZ All Lan E-mail Users ZZ (Systems Administrator
Subject: FW: Japanese Earthquake and Tsunami--10:00 am Saturday

The NRC has sent this to the Hill:

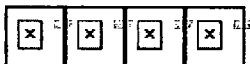
I wanted to pass on the latest info as of this morning. We will continue to update you throughout the day.


- The Nuclear Regulatory Commission has spoken with its counterpart agency in Japan, offering the assistance of U.S. technical experts. Should the Japanese want to make use of U.S. expertise, NRC staffers with extensive background in boiling water reactors are available to assist efforts in Japan.

- The NRC is coordinating its actions with other Federal agencies as part of the U.S. government response.
- The NRC is examining all available information as part of the effort to analyze the event and understand its implications both for Japan and the United States.
- The NRC has regulations in place that require licensees to design their plants to withstand the effects of tsunamis.
(10CFR 50, Appendix A, Criterion 2, “Design bases for protection against natural phenomenon” requires licensees to designs structures, systems, and components important to safety to withstand the effects of natural phenomenon, including tsunamis.)
- Nuclear power plants are built to withstand environmental hazards, including earthquakes. Even those plants that are located outside of areas with extensive seismic activity are designed for safety in the event of such a natural disaster.
- The NRC requires that safety-significant structures, systems, and components be designed to take into account the most severe natural phenomena historically reported for the site and surrounding area. The NRC then adds a margin for error to account for the historical data’s limited accuracy. In other words, U.S. nuclear power plants are designed to be safe based on historical data from the area’s maximum credible earthquake.



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Sent through mail.messaging.microsoft.com

From: (b)(6)
Sent: Saturday, March 12, 2011 9:53 AM
To: LIA11 Hoc
Categories: FOIA

When you can, pls reply and let me know if Tony got the dosimetry from Bruce Christie and when/if you'd like me to provide relief? -bethany cecere

From: Anderson, Joseph
Sent: Saturday, March 12, 2011 9:46 AM
To: Wright, Lisa (Gibney); Williams, Kevin; Kahler, Robert; McDermott, Brian; Miller, Chris
Subject: Re: Update on Fukushima Daiichi

Latest NEI update to its members, and Federal and State representatives.

From: ANDERSON, Ellen <exa@nei.org>
To: Anderson, Joseph
Sent: Sat Mar 12 08:50:16 2011
Subject: FW: Update on Fukushima Daiichi

From: MALONEY, Jennifer
Sent: Saturday, March 12, 2011 8:35 AM
To: ZZ All Lan E-mail Users ZZ (Systems Administrator)
Subject: FW: Update on Fukushima Daiichi

Gone to members: CEOs, CNOs, SVPs, communicators, Washington Reps, state reps.

From: Walter Hill [mailto:whh@nei.org]
Sent: Saturday, March 12, 2011 8:34 AM
To: MALONEY, Jennifer
Subject: Update on Fukushima Daiichi

Dear NEI Member:

Please note the following update on the status of Japan's Fukushima Daiichi plant from NucNet:

Tepco Confirms Venting Of Unit 1, 'Reactor Not Affected' By Explosion

12 Mar (NucNet): Tokyo Electric Power Company (Tepco) has confirmed that it has successfully vented the containment of unit 1 at the Fukushima-Daiichi nuclear power plant in northern Japan.

Meanwhile, chief cabinet secretary Yukio Edano has told a press conference that there was an explosion at Fukushima-Daiichi at 15:36 local time, but he said it has not affected the reactor's primary system or its containment.

Mr Edano said there was a hydrogen explosion in the space between the concrete container and the reactor's primary system. However, the explosion did not damage the containment function or the reactor system, he added.

In a statement, Tepco said the venting of unit 1 had been successful and it was preparing to vent units 2 and 3, which also shut down automatically when the 8.9-magnitude earthquake hit yesterday.

The utility also confirmed that the national government had ordered an evacuation for residents within a 10 km radius of the plant's periphery.

Tepco has not yet made any comment on the explosion at the plant, although confirmation of successful venting would appear to contradict media reports that the containment has been breached.

Venting is designed to reduce pressure in the containment. It is not yet known why the pressure increased.

Earlier, Tepco said the pressure in unit-1's containment was 600 kilopascal (6 bar) and according to Japan's Nuclear and Industrial Safety Agency (NISA) it could have increased to 840 kilopascal (8.4 bar) in the meantime. NISA said the design pressure for the unit's containment is 400 kilopascal (4 bar).

Walter Hill
Director, Member Communications

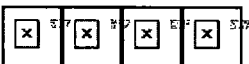
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Sent through mail.messaging.microsoft.com

From: LIA01 Hoc
Sent: Saturday, March 12, 2011 9:03 AM
To: LIA11 Hoc

Categories: FOIA

peter.lyons@hq.doe.gov

From: Michael Dudek <(b)(6)>
Sent: Saturday, March 12, 2011 8:48 AM
To: LIA11 Hoc
Subject: Re: Press Release

Categories: FOIA

Thank u! I'm walking in the door of USAID now. I'll call when I get a chance.

Sent from my iPhone

On Mar 12, 2011, at 8:37 AM, LIA11 Hoc <LIA11.Hoc@nrc.gov> wrote:

Attached is the most current press release.

Beth Reed

Federal Liaison Team

301-816-5208

<Press Release 2.docx>



NRC NEWS

U.S. NUCLEAR REGULATORY COMMISSION

Office of Public Affairs Telephone: 301/415-8200

Washington, D.C. 20555-0001

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

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

No. 11-043

March 11, 2011

NRC CONTINUES TO TRACK EARTHQUAKE AND TSUNAMI ISSUES

Senior officials at U.S. Nuclear Regulatory Commission headquarters in Rockville, Md., are following events related to the Japanese earthquake and subsequent tsunami. In addition, the agency's regional office in Arlington, Texas, will continue to monitor the Diablo Canyon Power Plant's handling of a notice of unusual event (NOUE) at the site, near San Luis Obispo, Calif., for the duration of the event.

"We offer our condolences to all those in Japan affected by these tragedies," said NRC Chairman Gregory Jaczko. "The NRC is ready to provide whatever assistance we can to our Japanese counterparts, should there be a specific request. We're closely coordinating with other federal agencies."

Friday's tsunami warning, issued after an estimated 8.9 magnitude earthquake occurred off the eastern Japanese coast, prompted Pacific Gas and Electric Co. (PG&E), operator of the Diablo Canyon two-reactor plant, to declare a precautionary NOUE at 4:23 a.m. EST Friday. PG&E has reported both reactors have remained online throughout the event. While PG&E has reported only minor tsunami-related effects, the plant is well-protected against tsunami conditions as required by NRC regulations. NRC staff at the plant are keeping track of the plant's response during the event and remain in close contact with plant operators.

Nuclear power plants are built to withstand environmental hazards, including earthquakes and tsunamis. Even those plants that are located outside of areas with extensive seismic activity are designed for safety in the event of such a natural disaster. The NRC requires that safety-significant structures, systems, and components be designed to take into account the most severe natural phenomena historically reported for the site and surrounding area.

In addition to the Diablo Canyon plant, the NRC is following events at the San Onofre nuclear power plant, the Humboldt Bay spent fuel storage site and NRC-regulated nuclear materials sites in Hawaii and Alaska to name a few. Personnel at all those sites have informed the NRC conditions remain safe.

###

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

CZ 825 of 2042

From: LIA11 Hoc
Sent: Saturday, March 12, 2011 8:35 AM
To: Wright, Lisa (Gibney); Anderson, Joseph; LIA01 Hoc
Subject: RE: Update on Fukushima Daiichi

Categories: FOIA

Thanks Lisa.

Beth Reed

From: Wright, Lisa (Gibney)
Sent: Saturday, March 12, 2011 8:31 AM
To: Anderson, Joseph; LIA01 Hoc; LIA11 Hoc
Subject: Fw: Update on Fukushima Daiichi

Thanks Joe. Can you also include the federal liaison desk at the above email? That way whomever is on the desk can have the info too. Thanks!

Sent from my NRC blackberry

Lisa Gibney

To reach me please call

(b)(6)

From: Anderson, Joseph
To: Miller, Chris; Thaggard, Mark; McDermott, Brian
Cc: Wright, Lisa (Gibney); Kahler, Robert; Williams, Kevin
Sent: Sat Mar 12 08:22:46 2011
Subject: Fw: Update on Fukushima Daiichi

Fyi. This is what NEI is putting out to its members on status of all six units at Fukushima Daiichi.

From: ANDERSON, Ellen <exa@nei.org>
To: Anderson, Joseph
Sent: Sat Mar 12 08:14:52 2011
Subject: Fw: Update on Fukushima Daiichi

From: PETERSON, Scott
Sent: Saturday, March 12, 2011 05:10 AM
To: ZZ All Lan E-mail Users ZZ (Systems Administrator)
Subject: Update on Fukushima Daiichi

Tepco Confirms Venting Of Unit 1, 'Reactor Not Affected' By Explosion

12 Mar (NucNet): Tokyo Electric Power Company (Tepco) has confirmed that it has successfully vented the containment of unit 1 at the Fukushima-Daiichi nuclear power plant in northern Japan.

Meanwhile, chief cabinet secretary Yukio Edano has told a press conference that there was an explosion at Fukushima-Daiichi at 15:36 local time, but he said it has not affected the reactor's primary system or its containment.

Mr Edano said there was a hydrogen explosion in the space between the concrete container and the reactor's primary system. However, the explosion did not damage the containment function or the reactor system, he added.

In a statement, Tepco said the venting of unit 1 had been successful and it was preparing to vent units 2 and 3, which also shut down automatically when the 8.9-magnitude earthquake hit yesterday.

The utility also confirmed that the national government had ordered an evacuation for residents within a 10 km radius of the plant's periphery.

Tepco has not yet made any comment on the explosion at the plant, although confirmation of successful venting would appear to contradict media reports that the containment has been breached.

Venting is designed to reduce pressure in the containment. It is not yet known why the pressure increased.

Earlier, Tepco said the pressure in unit-1's containment was 600 kilopascal (6 bar) and according to Japan's Nuclear and Industrial Safety Agency (NISA) it could have increased to 840 kilopascal (8.4 bar) in the meantime. NISA said the design pressure for the unit's containment is 400 kilopascal (4 bar).

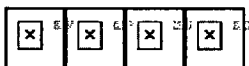
Scott Peterson
Senior Vice President-Communications

Nuclear Energy Institute
1776 I Street NW, Suite 400
Washington, D.C. 20006
p: 202.739.8044
m: (b)(6)
f: 202.533.0180

twitter: http://twitter.com/nuclear_policy
www.nei.org
www.neinuclearnotes.blogspot.com



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Sent through mail.messaging.microsoft.com

From: Wright, Lisa (Gibney)
Sent: Wednesday, March 16, 2011 11:11 AM
To: Thaggard, Mark
Subject: Out of Office: Commission Briefing on EP Rule

I am out of the office and will have limited access to email. I will return to the office on:

Monday, March 21, 2011

If you need immediate assistance while I am out of the office you can contact Joe Anderson for assistance at joseph.anderson@nrc.gov or 301-415-4114.

Thanks
LisaG

From: LIA11 Hoc
Sent: Saturday, March 12, 2011 8:15 AM
To: Michael Dudek
Subject: SITREP
Attachments: Japan Sitrep1.docx

Categories: FOIA

Attached is the first SITREP issued by the Federal Liaison Team.

Beth Reed
Federal Liaison Team
301-816-5186

Department of Homeland Security Incident Management DHS Initial Situation Report	
From:	US Nuclear Regulatory Commission
To:	DHS National Operations Center Watch Officer
SITREP No:	1
Date/Time (ET):	03/12/2011, 0400
1. Incident Type	Earthquake and Tsunami
2. Location of Incident	Japan
3. Date/Time of Incident (ET)	Press reports date 3/11/11 0146 (EST) loss of power at Unit 1,2, and 3 emergency. Unit 4, 5, and 6 shutdown. Unit 1, 2, and 3 emergency diesel generators (EDG) failed after tsunami, resulting in complete loss of Alternating Current for all three units. On 3/12/11, 0340 (EST), media reports explosion on site.
4. Incident Site Weather Conditions	Wind direction from 260 degree speed less than 2.4 m/sec stability class B.
5. Threat/Causal Factors	Earthquakes and tsunami leading to possible loss of emergency cooling.
6. Initial On-Scene Status/Capabilities Assessment	
A.	Casualties (e.g., dead, hospitalized) None available.
B.	Property Damage - Nuclear reactor. Loss of emergency power/loss of emergency cooling. Apparent core damage based on reported radiation levels. Media reports of explosion may indicate possible loss of containment (unverified).
C.	Infrastructure Affected – Emergency diesel fuel tanks and piping.
D.	Terrorism Nexus – None.
E.	General Population Status – Evacuated <10km, no power.
F.	Weather Effects – Wind direction is out to sea.
G.	Extent of Contamination – Release in progress. Magnitude and extent unknown.
H.	On-Scene/En Route Capabilities – NRC representatives enroute with US team.
I.	Requests for Additional Support – None known.
J.	Possible Cascading Effects – Release of radiation. Population evacuation at two site within 10km radius. If containment failure, impacts on other unit recovery personnel.
K.	WMD Effects – none.
L.	Indications of Follow-on Incidents – Earthquakes near Niigata Prefect.
6. Initial Response (e.g., on-scene assets, EOCs activated, local/regional response, etc.)	
A.	Local – Japan issued state of emergency.
B.	State – None.
C.	Federal – NRC Headquarters EOCs activated.
7. Federal/State/Local/International/Private Sector Notifications	– DHS, IAEA, DOE, FEMA, DOD (NAVSEA08, CNIC HQ, DTRA).
8. COOP/COG Actions Anticipated	– None.
9. National Capitol Region Impact	– None.
10. International Impact	– Japan.
11. DHS Initial Actions/Intentions	Press releases, White House notifications.
12. Additional Remarks	– None.
13. Prepared By:	Jason Lising
Contact Information:	LIA11.Hoc@nrc.gov; 301-816-5186
14. Approved By:	Executive Team

From: LIA11 Hoc
Sent: Saturday, March 12, 2011 6:53 AM
To: EOC18@cnscccsn.gc.ca
Cc: LIA02 Hoc
Subject: Japan earthquake update

Categories: FOIA

Please contact the international liaison for specific information on NRC's updates.

Eric Stahl
301-816-5211

From: McDermott, Brian
Sent: Thursday, March 17, 2011 5:45 PM
To: Wiggins, Jim
Subject: RE: Plan

Your out of office msg is on

From: Wiggins, Jim
Sent: Thursday, March 17, 2011 5:44 PM
To: McDermott, Brian
Subject: Out of Office: Plan

I am out of the office. I will return on Monday, 3/21/11.

Since I just can't bring myself to completely shutdown, I'll be occasionally checking messages via Blackberry and CITREX. However, if you need something done in the office, please call Michele Evans or Amy Salus (415-7476).

From: CMC-01@dot.gov
Sent: Saturday, March 12, 2011 5:10 AM
To: LIA11 Hoc
Subject: Request for Information: Explosion at Japan's Fukushima No. 1 Nuclear Power Plant

Categories: FOIA

Per our conversation, I am sending the following email addresses to you: unsecure information, cmc-01@dot.gov and for secure, dot-cmc-01@dhs.gov. This information is provided to facilitate the reception of any reports that the Nuclear Regulatory Commission may have prepared relating to the above stated subject. I thank you for your cooperation in this matter. If you have any questions, please contact the Crisis Management Center, US Department of Transportation; the telephone number is 202-366-1863.

Senior Watch Officer
CMC, USDOT

~~The information contained in this communication from the Department of Transportation's Crisis Management Center (CMC) Watch may be sensitive or privileged and is intended for the sole use of persons or entities named. If you are not an intended recipient of this transmission, you are prohibited from disseminating, distributing, copying or using the information. If you have received this communication in error, please immediately contact the CMC Watch at (202) 366-1863 to arrange for the return of this information.~~

From: LIA11 Hoc
Sent: Saturday, March 12, 2011 4:37 AM
To: LIA01 Hoc
Subject: sitrep
Attachments: Japan Sitrep1.docx

Categories: FOIA

From: (b)(6)
Sent: Saturday, March 12, 2011 3:58 AM
To: LIA11 Hoc
Categories: FOIA

There is a link to web cam for the plant off of the wikipedia page.

From: (b)(6)
Sent: Saturday, March 12, 2011 3:42 AM
To: LIA11 Hoc

Categories: FOIA

My phone number is (b)(6) -bethany cecere

From: LIA11 Hoc
Sent: Saturday, March 12, 2011 3:07 AM
To: LIA11 Hoc; DTRA Reachback
Cc: PMT02 Hoc
Subject: RE: Your req for info from NRC on radiological release

Categories: FOIA

One more try.

From: LIA11 Hoc
Sent: Saturday, March 12, 2011 3:06 AM
To: 'DTRA Reachback'
Cc: 'PMT2.Hoc@nrc.gov'
Subject: RE: Your req for info from NRC on radiological release

Dr. Hodge,

I've cc'ed your e-mail to the folks at NRC (Kathy Brock) who may be able to provide you more information. We are drafting a SITREP for distribution at 0400.

Very Respectfully,

Jason Lising

From: DTRA Reachback [mailto: (b)(6)]
Sent: Saturday, March 12, 2011 2:34 AM
To: LIA11 Hoc
Cc: (b)(6)
Subject: RE: Your req for info from NRC on radiological release

Mr. Lising,

Thanks for your response.

We have been asked for assessments and need updated information. Do you have a current update?

Respectfully,

Dr. Jim Hodge

Defense Threat Reduction Agency
(703) 767-3448, (DSN 427-)
Unclass: (b)(6)
SIPR: (b)(6)
JWICS: (b)(6)
R&D Enterprise
Innovation & Systems Engineering Office

Reachback Division

From: LIA11 Hoc [mailto:LIA11.Hoc@nrc.gov]

Sent: Friday, March 11, 2011 10:39 PM

To: [redacted] (b)(6)

Subject: Your req for info from NRC on radiological release

Dr. Jim Hodges,

Regarding your phone inquiry earlier requesting and update or "heads" up on potential radiological release. The NRC is not aware of any confirmed release. We continue to monitor the situation. You may e-mail this functional account for continued communication and we will provide information as available.

Jason Lising
NRC Federal Liaison
301-816-5186

From: LIA01 Hoc
Sent: Saturday, March 12, 2011 2:49 AM
To: (b)(6); LIA11 Hoc
Subject: FW: Passenger charter & Tony's contact info

Categories: FOIA

Here's Tony's contact info.

Anthony.Ulises@nrc.gov

NOT a global blackberry: (b)(6)

Sat phone: (b)(6)

From: RMTFACTSU_LC [mailto:RMTFACTSU_LC@ofda.gov]
Sent: Saturday, March 12, 2011 2:41 AM
To: LIA01 Hoc; LIA11 Hoc
Cc: RMTFACTSU_LC; OFDALogistics [USAID]
Subject: Passenger charter

Bethany, (Please ack receipt)

Here is the local handler at LAX. This is a private terminal.

Your local contact can meet up with the team here.

I don't have an address available. If you are having trouble finding it, let me know and I'll work on it.

Please work with the LA County Fire Department POC for this exchange.

John Lenihan

(b)(6) Cell

jlenihan@fire.lacounty.gov

FBO: Atlantic Aviation

Contact: Operations / Ghalya Mubarak

Phone: 310-215-5745

Fax: 310-417-7993

ghalya.mubarak@atlanticaviation.com laxfrontdesk@atlanticaviation.com

JOHN,

Bethany will be contacting you regarding a request to hand carry some dosimeters to her colleague that is flying on the PAX flight. He boarded in Dulles w/ the Fairfax team. (About 10ea pager sized)

~Pat

Todd Horne / Pat Long
Pacific Tsunami Japan Earthquake
Logistics Coordinator
202-712-0039 x-5706
Rmtpactsu_lc@ofda.gov
ofdalogistics@usaid.gov

To: rmtpacsu_dmo@ofda.gov
Cc: LIA01 Hoc
Subject: RE:

Please provide information:
How many people deployed?
How many require dosimeters?

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

From: (b)(6)

Sent: Saturday, March 12, 2011 1:39 AM

To: LIA11 Hoc

Subject:

To find out how many people are going to support the DART, send an e-mail to rmtpacsu_dmo@ofda.gov

From: LIA11 Hoc
Sent: Saturday, March 12, 2011 1:22 AM
To: Bryan, William; LIA01 Hoc
Subject: RE: Elec outage Numbers

Categories: FOIA

Thank you William.

Jason Lising
NRC Federal Liaison
301-816-5186

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

From: Bryan, William [mailto:William.Bryan@hq.doe.gov]
Sent: Saturday, March 12, 2011 1:10 AM
To: LIA01 Hoc; LIA11 Hoc
Cc: Lippert, Alice; Hoffman, Patricia; Haynes, April; McGlone, James
Subject: Elec outage Numbers

NRC Team...

This is as of at 9:00 this morning, but the black outs in Tohoku region is below.

Miyagi Pref. 1,380 000 houses

Aomori Pref. 820,000 houses

Iwate Pref. 750,000

Akita Pref. 600,000

Yamagata Pref. 460,000

Fukushima Pref. 190,000

Niigata Pref. 1,740,000 (This is because of quakes in this early morning)

Also TEPCO announced that 674,100 houses in Kanto region as below.

Ibaraki pref. 540,700 houses

Tochigi pref. 89,400

Chiba Pref.44,000

Also about 3,000 in Hokkaido.

Hope this helps.

R/
Bill

William Bryan | Deputy Assistant Secretary | Infrastructure Security and Energy Restoration | 202-586-7517 (o)

From: CNIC.N36.BWC <(b)(6)>
Sent: Friday, March 11, 2011 11:07 PM
To: LIA11 Hoc
Subject: CNRJ ROC contact

Categories: FOIA

Jason,

Thank you for your call. You can reach the ROC at CNRJ in Yokosuka at 011-81-46-816-7650. If I can provide any more info, please let me know.

V/R,

LCDR Brian Ascher
Battle Watch Captain
Shore Support Center
Commander Navy Installations Command
1325 10th Street SE, Bldg. 196
Washington, DC 20374
TEL: 202-433-0226 / -0259 / -6535 (fax)
DSN: 288-...
STE: 202-685-7741 / DSN: 325-7741
NIPR e-mail: (b)(6)
SIPR e-mail: (b)(6)

~~Privacy Act - 1974 As amended applies, this E-Mail may contain information which must be protected IAW DoD 5400.11R, and is For Official Use Only.~~

From: CNIC.N36.BWC <(b)(6)>
Sent: Friday, March 11, 2011 10:44 PM
To: LIA11 Hoc
Subject: FW: Japan Crisis Response PART II

Categories: FOIA

LCDR Lising,

Can you clarify the phone number or give me a call? Is it a US number? I was hoping to reach out and see how things are going there.

Thank you.

V/R,
Brian

LCDR Brian Ascher
Battle Watch Captain
Shore Support Center
Commander Navy Installations Command
1325 10th Street SE, Bldg. 196
Washington, DC 20374
TEL: 202-433-0226 / 6535 (fax)
DSN: 288-0226 / 6535 (fax)
STE: 202-685-7741

NIPR e-mail: (b)(6)
SIPR e-mail: (b)(6)

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

From: Ascher, Brian D. LCDR CNIC HQ, N36
Sent: Friday, March 11, 2011 22:15
To: CNIC.N36.BWC
Subject: FW: Japan Crisis Response PART II

FYI.

From: (b)(6)
Sent: Fri 3/11/2011 9:55 PM
To: (b)(6)

(b)(6)

(b)(6)

Cc: Metzroth, Michael T LT CNIC HQ, N36; Ascher, Brian D. LCDR CNIC HQ, N36;
Subject: Re: Japan Crisis Response PART II

(b)(6)

ALCON,

LCDR Lising here. I am working in the NRC (Nuclear Regulatory Commission) Operation Center covering this event as a Federal Liaison. I'll probably be here till tomorrow morning at 0700. As NRC releases information you may contact me at the functional account Lia11.Hoc@nrc.gov
The phone number is 30-816-5186.

I'll provide what information I can.

Vr
LCDR Lising

From: "Willis, Justin J." <JUSTIN.J.WILLIS@saic.com>

To: (b)(6)

(b)(6)

Sent: Fri, March 11, 2011 4:58:37 PM
Subject: RE: Japan Crisis Response PART II

ALCON - primary watches have been filled:

Friday 11 MAR - 2100-0630 LCDR Johnston

Saturday 12 MAR 1830-0630 YNCS Hensley

Secondary unit members more than welcome to help out.

In addition, would like to have a standby name for Sunday just in case this carries over, so keep the inputs coming. Thanks again for your support

V/R/R LCDR(S) Willis

Justin J. Willis | SAIC
Acquisitions Manager | PMA 280 Strategy and Plans
phone: (301)-757-6369 | fax (301)-7576412
mobile: (b)(6) | email: justin.j.willis@saic.com

Please consider the environment before printing this email.

From: Willis, Justin J.
Sent: Fri 3/11/2011 3:38 PM

To: (b)(6)

(b)(6)

Cc: Metzroth, Michael T LT CNIC HQ, N36; Ascher, Brian D. LCDR CNIC HQ, N36; (b)(6)

Subject: Japan Crisis Response

ALCON - apologies, working remotely so sending to everyone...

SSC requires at a minimum, ADMIN WATCH SUPPORT FOR THE NIGHT WATCH TONIGHT AND TOMORROW EVENING ISO THE JAPAN EARTHQUAKE/Tsunami EVENT. PA experience preferred if possible, but any assistance welcome. We have not yet instituted the Crisis Response Plan, however, if there are no volunteers, we will need to do so. Please respond to this email NLT 1800EST if you can support.

Thank you

V/R/R LCDR(S) Willis

Justin J. Willis | SAIC
Acquisitions Manager | PMA 280 Strategy and Plans
phone: (301)-757-6369 | fax (301)-7576412

mobile: (b)(6) email: justin.j.willis@saic.com

Please consider the environment before printing this email.

From: Willis, Justin J CTR PMA 280, PMA 280 [mailto:(b)(6)]

Sent: Wed 3/9/2011 8:38 AM

To: (b)(6)

(b)(6)

Cc: Metzroth, Michael T LT CNIC HQ, N36; Ascher, Brian D. LCDR CNIC HQ, N36

Subject: March Watchbills

All, latest watchbills attached. Inputs welcome as always. Please let me know if you have any questions. Also, as another reminder, please have your summer/fall schedules with you at the upcoming unit drill....we need to finish populating the Hurricane Season watches. Thank you for your support

V/R/R LCDR(S) Willis

Justin J. Willis

Acquisition Manager

SAIC - PMA 280 Strategy and Plans

3017576369 (Pax River)

(b)(6) (Mobile)

Justin.J.Willis@saic.com

(b)(6)

From: Lising, Jason
Sent: Friday, March 11, 2011 10:36 PM
To: LIA11 Hoc
Subject: Out of Office: Incident Response: Japan Earthquake and Tsunami Drill

I am out of the office from March 11th, 2011 until March 21st, 2011 . If you need assistance please contact my acting branch chief Marcus Voth at 301-415-1210.

From: LIA11 Hoc
Sent: Friday, March 11, 2011 9:03 PM
To: Quinn, Vanessa; Albert.Coons@dhs.gov
Subject: FW: NRC representative to Japan

Categories: FOIA

From: LIA11 Hoc
Sent: Friday, March 11, 2011 8:55 PM
To: 'Venessa.quinn@nrc.gov'; 'Albert.Coons@nrc.gov'; 'Harry.Sherwood@dhs.gov'; 'James.Kish@dhs.gov'
Cc: Trapp, James
Subject: NRC representative to Japan

FEMA contacts,

For your situational awareness. Jim Trapp will be representing the NRC with the group preparing to leave for Japan. We understand that the departure time will be tomorrow. No further information at this time.

Jason Lising
NRC Federal Liaison
301-816-5186

From: HOO Hoc
Sent: Friday, April 29, 2011 2:40 PM
To: HOO Hoc
Subject: Event Notice: 4/29/2011
Attachments: Summary.pdf; Events.pdf

Any questions, please call the Ops Center.

Headquarters Operations Officer
U.S. Nuclear Regulatory Commission
Phone: 301-816-5100
Fax: 301-816-5151
email: hoo.hoc@nrc.gov
secure e-mail: hoo1@nrc.sgov.gov

2010 Emergency Event Summaries

(Does not include "after the fact" Emergencies)

—FOR OFFICIAL USE ONLY—

		EMERGENCY CLASS	DATE	LICENSEE	NRC RESPONSE	RESPONSE DECISION WITHIN 30 MIN	DESCRIPTION
1	1	Unusual Event #45618	1/9/10	Braidwood Units 1, 2	Normal	Yes	Fire in Aux. Building OC Vent Fan Bearing
2	2	Unusual Event #45711	2/19/10	Brunswick Unit 1	Normal	Yes	Carbon Dioxide discharge in HPCI Room
3	3	Unusual Event #45748	3/7/10	Palo Verde Unit 1	Normal	Yes	Electrical fault (explosion) experienced on the 13.8 KV Non-Class busses.
4	4	Unusual Event #45784	3/22/10	Palo Verde Unit 1	Normal	Yes	Unidentified leakage greater than 10 GPM.
5	5	Unusual Event #45796	3/26/10	Brunswick Unit 1	Normal	Yes	Fire greater than 15 minutes in the Turbine Building.
6	6	Unusual Event #45810	4/4/10	San Onofre Units 2&3	Normal	Yes	Earthquake felt on site.
7	7	Unusual Event #45811	4/4/10	Palo Verde Units 1,2,3	Normal	Yes	Earthquake that originated in the Baja California, [Mexico] location.
8	8	Unusual Event #45823	4/8/10	Palo Verde Units 1,2,3	Normal	Yes	Another earthquake that originated in the Baja California, [Mexico] location.
9	9	Unusual Event #45837	4/13/10	Callaway	Normal	Yes	Identified leakage of greater than 25 GPM.
10	10	Unusual Event #45935	5/19/10	Quad Cities	Normal	Yes	Toxic Atmospheric Condition in Access Building (Freon Leak)
11	11	Unusual Event #45992	6/9/10	Diablo Canyon Unit 1	Normal	Yes	Toxic gas/spill in the protected area
12	12	Unusual Event #46025	6/18/10	Palo Verde Unit 1	Normal	Yes	Damage to energized equipment
13	13	Unusual Event #46033	6/22/10	Cooper	Normal	Yes	River level above 899 feet
14	14	Unusual Event #46037	6/23/10	Cook Units 1&2	Normal	Yes	Seismic event
15	15	Unusual Event #46038	6/23/10	Vermont Yankee	Normal	Yes	Seismic event
16	16	Unusual Event #46167	8/11/10	Oconee Unit 3	Monitoring	Yes	Loss of greater than 50% of control room alarm panels
17	17	Unusual Event #46212	8/29/10	Vermont Yankee	Normal	Yes	Loss of 75% of control room annunciators associated with safety related systems for greater than 15 minutes
18	18	Unusual Event #46227	9/2/10	Hatch	Normal	Yes	Secondary Containment Flooding. This event was treated as quickly concluding.
19	19	Unusual Event #46258	9/18/10	Hatch	Normal	Yes	Hi-Hi Reactor Building sump level alarm. Water did not overflow the sump. Retraction on 10/7/10
20	20	Unusual Event #46270	9/22/10	Sequoyah	Normal	Yes	Fire on switchyard transformer lasting more than 15 (Extinguished in 20 min.)

21	21	Unusual Event #46276	9/24/10	Calvert Cliffs	Normal	Yes	Unexpected Short Duration Loss of Security System
22	22	Unusual Event #46387	11/03/10	South Texas Unit 2	Normal	Yes	Startup feedpump breaker panel explosion and affects normal operations.
23	23	Unusual Event #46443	12/01/10	Oyster Creek	Normal	Yes	RCS leakage > 10 gal/min
24	24	Unusual Event #46491	12/20/10	Vogtle 1	Normal	Yes	Fire in the Control Building Normal Fuel Handling Building HVAC Panel
25	25	Unusual Event #46509	12/25/10	Diablo Canyon 1&2	Normal	Yes	High winds (>80 mph) onsite.
26	1	Alert #45799	3/28/10	Robinson Unit 2	Normal	Yes	A fire affected the safety-related 'A' and 'B' DC Buses.
27	2	Alert #45979	6/6/10	Fermi	Normal	Yes	Reactor Scram Due to Partial Loss of Offsite Power
27	3	Alert #45980	6/6/10	Brunswick Unit 1 & 2	Normal	Yes	Halon discharge in emergency diesel generator room
29	4	Alert #46036	6/23/10	Diablo Canyon Unit 1	Normal	Yes	Carbon dioxide discharge in the turbine building
30	5	Alert #46164	08/10/10	Susquehanna Unit 1	Monitoring	Yes	Freon-12 leak from chiller unit inside reactor building
31	6	Alert #46400	11/7/10	Indian Point #2	Normal	Yes	Explosion in a main transformer causing a turbine/reactor trip

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—FOR OFFICIAL USE ONLY—

Quickly Concluding or After the Fact Emergencies

32	1	Unusual Event #45738	03/02/10	Seabrook			Winds exceeded the EAL value for about four seconds on 2/25/10.
33	2	Unusual Event #46068	07/04/10	Calvert Cliffs Units 1&2			Unplanned loss of communications
34	3	Unusual Event #46145	08/03/10	Hatch Unit 1			High level water alarm during planned draindown
35	4	Unusual Event #46153	08/05/10	North Anna Unit 1			75 gpm RCS letdown flow diverted to the gas stripper
36	5	Unusual Event #46490	12/19/10	Ft. Calhoun			Unplanned loss of communications

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HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 1, 2011

Updated 01/14/11-VK

HOO	HERO
	Christmas

NAME	12/19	12/20	12/21	12/22	12/23	12/24	12/25	WK 1
	SUN	MON	THUE	WED	THU	FRI	SAT	
(b)(6)					12 12-24	12 12-24	12 12-24 H	36
	12 00-12	12 00-12	12 00-12 H					36
			8 AL	12 00-12	12 00-12	12 00-12 H		44
			8	12 12-24	12 12-24	12 12-24	12 12-24 H	56
				8 00-08	12 00-12	12 00-12	12 00-12 H	44
		12 12-24	12 12-24	12 12-24 H				36
		9	9	8 00-08	9 AL	9 H		44
	12 12-24	AL	AL	AL	AL	AL	12 AL	24
	12 12-24	12 12-24	12 12-24			8 H		44
	12 00-12	12 00-12	12 00-12	8 08-12 H			12 OT 00-12	56
		8	8	8	8	8 H		40
	8	8	8	8	8 H		40	

New Year's Day

NAME	12/26	12/27	12/28	12/29	12/30	12/31	1/1	WK 2	PP
	SUN	MON	THUE	WED	THU	FRI	SAT		
(b)(6)	12 12-24	12 12-24	12 12-24	8 12-16 H				44	80
				8 16-24	12 12-24	12 12-24	12 12-24 H	44	80
					12 00-12	12 00-12	12 00-12 H	36	80
	12 12-24						12 00-12 H	24	80
	12 00-12	12 00-12	12 00-12 H	12 OT 00-12				48	92
		8		12 00-12	12 00-12	12 00-12 H		44	80
					12 12-24	12 12-24	12 12-24 H	36	80
	12 AL	12 AL	12 AL	12 AL	8 H	AL	AL	56	80
		12 12-24	12 12-24	12 12-24 H				36	80
	12 00-12	12 00-12	12 00-12 H					36	92
		8	8	8	8	8 H		40	80
	8	8	8	8	8 H		40	80	

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 2, 2011

Updated 01/14/11-VK

HOO	HERO
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	1/2	1/3	1/4	1/5	1/6	1/7	1/8	
NAME	SUN	MON	THUE	WED	THU	FRI	SAT	WK 1
(b)(6)		12 12-24	12 12-24	12 12-24				36
	12 12-24	12 12-24	12 12-24			8 AL		44
	12 00-12	12 00-12	12 00-12					36
				12 00-12	12 00-12	12 00-12		36
	AL	AL	AL	AL	12 AL	12 AL	12 AL	36
				8 00-08	12 00-12	12 00-12	12 00-12	44
	12 12-24						12 00-12	24
			8 SL	12 12-24	12 12-24	12 12-24	12 12-24	56
	12 00-12	12 00-12	12 00-12	8 08-12				44
					12 12-24	12 12-24	12 12-24	36
		8	8	8	8	8		40
		10	10	10	10			40

	1/9	1/10	1/11	1/12	1/13	1/14	1/15		
NAME	SUN	MON	THUE	WED	THU	FRI	SAT	WK 2	PP
(b)(6)			8 AL	12 00-12	12 00-12	12 00-12 H	12 12-24 12 OT	56	92
		12 12-24	12 12-24	12 12-24 H				36	80
				8 16-24	12 12-24	12 12-24	12 CPUTV	44	80
		8			12 00-12	12 00-12	12 00-12	44	80
	12 AL	12 AL	12 AL	8 AL	AL	AL	AL	44	80
	12 00-12	12 00-12	12 00-12 H					36	80
	12 00-12	12 00-12	12 00-12	12 00-12	8 H			56	80
	12 12-24						12 00-12	24	80
					12 12-24	12 12-24	12 12-24	36	80
	12 12-24	12 12-24	12 12-24	8 12-16				44	80
		8	8	8	8	8		40	80
		10	10	10	10			40	80

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 3, 2011

Updated 01/17/11-VK

HOO	HERO
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NAME	1/16	M.L. King Jr. Day	Dan Livermore	1/19	1/20	1/21	1/22	WK 1
	SUN	MON	THUE	WED	THU	FRI	SAT	
(b)(6)				12 00-08 4OT	12 00-12	12 00-12	12 00-12	48
			8	12 00-12	12 00-12	12 00-12		44
		12 12-24	12 12-24 H	12 12-24				36
		12 00-12	12 00-12 H	12 00-12				36
			12 12-24 H	12 ML	12 ML			36
					12 12-24	12 12-24	12 12-24	36
				8	12 12-24	12 12-24	12 12-24	56
		12 00-12	12 00-12 H	12 00-12	8 08-12			44
		12 12-24 H					12 00-12	24
			8 H	12 12-24	12 12-24		8	40
			8 H	8	8	8	8	40
			8H + 2AL	10	10	10		40

NAME	1/23	1/24	1/25	Branch Mt'g	1/27	1/28	1/29	WK 2	PP
	SUN	MON	THUE	WED	THU	FRI	SAT		
(b)(6)	12 00-12	12 00-12	12 00-12					36	84
					12 00-12	12 00-12	12 00-12	36	80
		12 12-24	12 12-24	12 12-24	8			44	80
				8 16-24	12 12-24	12 12-24	12 12-24	44	80
			8	12 00-12	12 00-12	12 00-12		44	80
		12 12-24	12 12-24	12 12-24	8 12-16			44	80
		12 12-24					12 00-12	24	80
					12 12-24	12 12-24	12 12-24	36	80
		12 00-12	12 00-12	12 00-12	12 00-12	8		56	80
			8	8	8	8	8	40	80
			8	8	8	8	8	40	80
			10	10	10	10		40	80

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 4, 2011

Updated 01/18/11-VK

HOO	HERO
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NAME	1/30	1/31	2/1	2/2	2/3	2/4	2/5	WK 1
	SUN	MON	THUE	WED	THU	FRI	SAT	
(b)(6)					12 12-24	12 12-24	12 12-24	36
	12 00-12	12 00-12	12 00-12					36
			8 AL	12 00-12	12 00-12	12 00-12		44
	12 12-24	12 12-24	12 12-24			8		44
				8 00-08	12 00-12	12 00-12	12 00-12	44
		12 12-24	12 12-24	12 12-24				36
	12 00-12	12 00-12	12 00-12	8 08-12				44
	12 12-24						12 00-12	24
			8	12 12-24	12 12-24	12 12-24	12 12-24	56
		9	9	9	9	8		44
		8	8	8	8	8		40
	10	10	10	10			40	

NAME	2/6	2/7	2/8	2/9	2/10	2/11	2/12	WK 2	PP
	SUN	MON	THUE	WED	THU	FRI	SAT		
(b)(6)	12 12-24	12 12-24	12 12-24	8 12-16				44	80
				8 16-24	12 12-24	12 12-24	12 12-24	44	80
					12 00-12	12 00-12	12 00-12	36	80
		12 12-24	12 12-24	12 12-24				36	80
	12 00-12	12 00-12	12 00-12					36	80
		8 (4 SL)		12 AL	12 AL	12 AL		44	80
					12 12-24	12 12-24	12 12-24	36	80
	12 00-12	12 00-12	12 00-12	12 00-12	8			56	80
	12 12-24						12 00-12	24	80
				12 00-12	12 00-12	12 00-12		36	80
		8	8	8	8	8		40	80
	10	10	10	10			40	80	

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 5, 2011

Updated 02/12/11-VK

HOO	HERO
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Alleg. Trng *1100 to 1200 * OT Authorized w/145 form

NAME	2/13	2/14	2/15	2/16	2/17	2/18	2/19	WK 1
	SUN	MON	THUE	WED	THU	FRI	SAT	
(b)(6)		12 12-24	12 12-24	12 12-24 H				36
	12 12-24	12 12-24	12 12-24		12 00-12 4OT	12 00-12 12OT		60
	12 00-12	12 00-12	12 00-12 H	8 00-08 9OT				45
			8	12 00-12	12 00-12	12 00-12 H		44
					12 12-24	12 12-24	12 12-24	36
				8 SL	12 SL	12 SL	12 00-12	44
	12 12-24						12 00-12	24
			8 AL	12 12-24 1OT	12 12-24	12 12-24	12 12-24	57
	12 00-12	12 00-12	12 00-12	8 08-12 H				44
	SL	8 SL	8 SL	8 SL	8 SL	8 SL	SL	40
		8	8	8	8	8 SL	SL	40
	10	10	10	10			40	

Washington's Birthday

NAME	2/20	2/21	2/22	2/23	2/24	2/25	2/26	WK 2	PP
	SUN	MON	THUE	WED	THU	FRI	SAT		
(b)(6)			8 AL	12 00-12	12 00-12	12 00-12	12 00-12 12OT	56	92
		12 12-24 H	12 12-24	12 12-24				36	96
			12 00-12	8 16-24	12 12-24	12 12-24		44	89
			SL	SL	12 SL	12 SL	12 SL	36	80
	12 12-24	12 12-24 H	12 12-24	8 12-16				44	80
	12 00-12	12 00-12 H			8 TRNG	8 TRNG 4OT		40	84
	12 00-12	12 00-12 H	12 00-12 4OT	12 00-12	12 00-12 12OT		12 12-24	72	96
	12 12-24 H					12 00-12 12OT	12 00-12	36	93
					12 12-24	12 12-24	12 12-24	36	80
	SL	8 H	8 SL	8 SL	8 SL	8 SL	SL	40	80
	SL	8 H	8 SL	8 SL	8 SL	8 SL	SL	40	80
	8H + 2AL	10	10	10			40	80	

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 6, 2011

Updated 02/20/11-VK

HOO	HERO
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	2/27	2/28	3/1	3/2	3/3	3/4	3/5	
NAME	SUN	MON	TUE	WED	THU	FRI	SAT	WK 1
(b)(6)	12 00-12	12 00-12	12 00-12	8 00-08	AL	AL	AL	44
			8 AL	12 00-12	12 00-12	12 00-12		44
		12 12-24	12 12-24	12 12-24				36
	SL	SL	SL	SL	12 SL	12 SL	12 SL	36
		12 ML	12 ML	12 ML				36
			12 12-24 12 OT	12 12-24 12 OT	12 12-24	12 12-24	12 12-24	60
	12 12-24		8		12 12-24	12 12-24	12 12-24	56
	12 00-12	12 00-12	12 00-12	8 08-12				44
	12 12-24						12 00-12	24
	SL	8 SL	8 SL	8 SL	8 SL	8 SL	SL	40
		12 12-24 4OT				12 00-12	12 00-12	12 00-12
	10	10	10	10			40	

	3/6	3/7	3/8	3/9	3/10	3/11	3/12		
NAME	SUN	MON	TUE	WED	THU	FRI	SAT	WK 2	PP
(b)(6)	12 AL	12 AL	12 AL	AL	AL	AL	AL	36	80
					12 00-12	12 00-12	12 00-12	36	80
		12 12-24	12 12-24	12 12-24		12 00-12 4OT		48	84
	SL	SL	SL	8 16-24	12 12-24	12 12-24	12 12-24	44	80
			8 ML	12 ML	12 ML	12 ML		44	80
	12 12-24	12 12-24	12 12-24	8 12-16				44	104
	12 12-24						12 00-12	24	80
					12 12-24	12 12-24	12 12-24	36	80
	12 00-12	12 00-12	12 00-12	12 00-12	8			56	80
	SL	8 SL	8 SL	8 SL	8 SL	SL	SL	40	80
	12 00-12	12 00-12	12 00-12	12 00-12 12 OT	12 00-12 12 OT			60	108
	10	10	10	10			40	80	

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 7, 2011

Updated 03/10/11-VK

HOO	HERO
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NAME	3/13	3/14	3/15	3/16	3/17	3/18	3/19	WK 1
	SUN	MON	TUE	WED	THU	FRI	SAT	
(b)(6)	AL	AL	AL	AL	12 12-24	12 12-24	12 12-24	36
	12 00-12	12 00-12	12 00-12					36
				12 00-12	12 SL	12 00-12		36
	12 12-24	12 12-24	12 12-24		8			44
				8 00-08	12 00-12	12 00-12	12 00-12	44
		12 12-24	12 12-24	12 12-24	8 SL			44
	12 00-12	12 00-12	12 00-12	8 08-12				44
	12 12-24				8		12 00-12	32
			8	12 12-24	12 12-24	12 12-24	12 12-24	56
		8	8		12 00-12	8		36
		8	8	8	8	8		40
	10	10	10	10			40	

NAME	3/20	3/21	3/22	3/23	3/24	3/25	3/26	WK 2	PP
	SUN	MON	TUE	WED	THU	FRI	SAT		
(b)(6)	12 12-24	12 12-24	12 12-24	8 12-16				44	80
				8 16-24	12 12-24	12 12-24	12 AL	44	80
		8		12 00-12	12 00-12	12 00-12		44	80
		12 12-24	12 12-24	12 12-24				36	80
	12 00-12	12 00-12	12 00-12					36	80
					12 00-12	12 00-12	12 00-12	36	80
					12 12-24	12 12-24	12 12-24	36	80
	12 00-12	12 00-12	12 00-12	12 00-12				48	80
	12 12-24						12 00-12	24	80
		8	8	8	8		12 12-24	44	80
		8	8	8	8	8		40	80
	10	10	10	10			40	80	

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 8, 2011

Updated 03/30/11-CT

HOO	HERO
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	3/27	3/28	3/29	3/30	3/31	4/1	4/2	
NAME	SUN	MON	TUE	WED	THU	FRI	SAT	WK 1
(b)(6)		12 12-24	12 12-24	12 12-24				36
	12 AL	12 12-24	12 12-24			12 00-12 4 OT		48
		12 00-12	12 00-12	12 00-12	12 00-12 12 OT			48
	12 00-12		8		12 SL	12 SL		44
					12 12-24	12 12-24	12 12-24	36
				8 00-08	12 00-12	12 00-12	12 00-12	44
	12 12-24		8 Training	8 Training	8 Training (4OT)		12 00-12	48
			8	12 12-24	12 12-24	12 12-24	12 12-24	56
	12 00-12	12 00-12	12 00-12	8 08-12				44
	12 12-24		8	8	8	8		44
					10	10	10	10
	10	10	10	10				40

	4/3	4/4	4/5	4/6	4/7	4/8	4/9		
NAME	SUN	MON	TUE	WED	THU	FRI	SAT	WK 2	PP
(b)(6)			8	12 00-12	12 00-12	12 00-12		44	80
		12 12-24	12 12-24	12 12-24				36	84
				8 16-24	12 12-24	12 12-24	12 12-24	44	92
					12 00-12	12 00-12	12 00-12	36	80
	12 12-24	12 12-24	12 12-24	8 12-16				44	80
	12 00-12	12 00-12	12 00-12					36	80
	12 00-12	12 00-12	12 00-12					36	84
	12 12-24						12 00-12	24	80
					12 12-24	12 12-24	12 12-24	36	80
		8		12 00-12	8	8		36	80
					10	10	10	10	40
	10	10	10	10				40	80

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 9, 2011

Updated 4/7/11-CT

HOO	HERO
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NAME	4/10	4/11	4/12	4/13	4/14	4/15	4/16	WK 1
	SUN	MON	TUE	WED	THU	FRI	SAT	
(b)(6)		TA - JAPAN	TA - JAPAN	TA - JAPAN	TA - JAPAN	TA - JAPAN		40
	AL	AL	AL	12 AL	12 AL	12 AL	AL	44
		12 12-24	12 12-24	12 12-24				36
	12 00-12	12 00-12	12 00-12	8 00-08 8 OT				44
	12 12-24	12 12-24	12 12-24					36
					12 12-24	12 12-24	12 12-24	36
			8 SL	12 12-24	12 12-24	12 12-24	12 12-24	56
	12 00-12	12 00-12	12 00-12	8 08-12				44
	12 12-24						12 00-12	24
				12 00-12	12 00-12	12 00-12		36
		10 2 OT			12 00-12	12 00-12	12 00-12	46
		10	10	10	10			40

NAME	4/17	4/18	4/19	4/20	4/21	4/22	4/23	WK 2	PP
	SUN	MON	TUE	WED	THU	FRI	SAT		
(b)(6)		TA - JAPAN	TA - JAPAN	TA - JAPAN	TA - JAPAN	TA - JAPAN		40	80
					12 00-12	12 00-12	12 00-12	36	80
		12 12-24	12 12-24	12 12-24	8 AL			44	80
				8 16-24	12 12-24	12 12-24	12 12-24	44	88
			8	12 00-12	12 00-12	12 00-12		44	80
	12 12-24	12 12-24	12 12-24	8 12-16				44	80
	12 12-24						12 00-12	24	80
					12 12-24	12 12-24	12 AL	36	80
	12 00-12	12 00-12	12 00-12	12 00-12			12 12-24 4 OT	60	84
		9 AL	9 AL	9 AL	9 AL	8 AL		44	80
	12 00-12	12 00-12	12 00-12					36	82
	10	10	10	10			40	80	

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 10, 2011

HOO	HERO
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NAME	Harris Exercise							WK 1
	4/24 SUN	4/25 MON	4/26 TUE	4/27 WED	4/28 THU	4/29 FRI	4/30 SAT	
(b)(6)		TA - JAPAN	TA - JAPAN	TA - JAPAN	TA - JAPAN	TA - JAPAN		40
	12 00-12	12 00-12	12 00-12					36
			8 AL					44
	12 12-24	12 12-24	12 12-24	8 AL	AL	AL	AL	44
				8 00-08	12 00-12	12 00-12	12 00-12	44
		12 12-24	12 12-24	12 12-24				36
	12 00-12	12 00-12	12 00-12		8 SL			44
	12 12-24				8		12 00-12	24
			8	12 12-24	12 12-24	12 12-24	12 12-24	56
		9 AL	9	8 08-12	9	9		44
					12 12-24	12 12-24	12 12-24	36
	10	10	10	10			40	

NAME	5/1	5/2	5/3	5/4	5/5	5/6	5/7	WK 2	PP
	SUN	MON	TUE	WED	THU	FRI	SAT		
(b)(6)		TA - JAPAN	TA - JAPAN	TA - JAPAN	TA - JAPAN	TA - JAPAN	TA - JAPAN	40	80
				8 16-24	12 12-24	12 12-24	12 12-24	44	80
								36	80
	AL	12 AL	12 AL	12 AL	AL	AL	AL	36	80
	12 00-12	12 00-12	12 00-12					36	80
			8	12 00-12	12 00-12	12 00-12		44	80
					12 12-24	12 12-24	12 12-24	36	80
	12 00-12	12 00-12	12 00-12	12 00-12				56	80
	12 12-24	AL	AL	AL	AL	AL		24	80
		12 12-24	12 12-24	12 12-24				36	80
	12 12-24	12 12-24	12 12-24	8 12-16				44	80
	10	10	10	10			40	80	

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 11, 2011

HOO	HERO
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NAME	5/8	5/9	5/10	5/11	5/12	5/13	5/14	WK 1
	SUN	MON	TUE	WED	THU	FRI	SAT	
(b)(6)		12 12-24	12 12-24	12 12-24				36
	12 12-24	12 12-24	12 12-24			8		44
			12 00-12	12 00-12	12 00-12			36
	12 00-12	12 00-12	8					32
					12 12-24	12 12-24	12 12-24	36
				8 00-08	12 00-12	12 00-12	12 00-12	44
	12 12-24					12 00-12	12 00-12	36
			8	12 12-24	12 12-24	12 12-24	12 12-24	56
	12 00-12	12 00-12	12 00-12	8 08-12				44
		8	8	8	8	8		40
		8	8	8	8	8		40
	8	8	8	8	8		40	

NAME	NLE 11							WK 2	PP
	5/15	5/16	5/17	5/18	5/19	5/20	5/21		
	SUN	MON	TUE	WED	THU	FRI	SAT		
(b)(6)			8	12 00-12	12 00-12	12 00-12		44	80
		12 12-24	12 12-24	12 12-24				36	80
				8 16-24	12 12-24	12 12-24	12 12-24	44	80
				12 00-12	12 00-12	12 00-12	12 00-12	48	80
	12 12-24	12 12-24	12 12-24	8 12-16				44	80
	12 00-12	12 00-12	12 00-12					36	80
	12 00-12	12 00-12	12 00-12		8			44	80
	12 12-24						12 00-12	24	80
					12 12-24	12 12-24	12 12-24	36	80
		8	8	8	8	8		40	80
		8	8	8	8	8		40	80
	8	8	8	8	8		40	80	

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 12, 2011

HOO	HERO
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NAME	5/22	5/23	5/24	5/25	5/26	5/27	5/28	WK 1
	SUN	MON	TUE	WED	THU	FRI	SAT	
(b)(6)				8 00-08	12 00-12	12 00-12	12 00-12	44
			8	12 00-12	12 00-12	12 00-12 H		44
	12 12-24	12 12-24	12 12-24			8		44
	12 00-12	12 00-12	12 00-12 H					36
		12 12-24	12 12-24	12 12-24 H				36
					12 12-24	12 12-24	12 12-24	36
			8	12 12-24	12 12-24	12 12-24	12 12-24	56
	12 00-12	12 00-12	12 00-12	8 08-12 H				44
	12 12-24						12 00-12	24
		8	8	8	8	8		40
		8	8	8	8	8		40
		8	8	8	8	8		40

Memorial Day

NAME	5/29	5/30	5/31	6/1	6/2	6/3	6/4	WK 2	PP
	SUN	MON	TUE	WED	THU	FRI	SAT		
(b)(6)	12 00-12	12 00-12 H	12 00-12					36	80
					12 00-12	12 00-12	12 00-12	36	80
		12 12-24 H	12 12-24	12 12-24				36	80
				8 16-24	12 12-24	12 12-24	12 12-24	44	80
			8	12 00-12	12 00-12	12 00-12		44	80
	12 12-24	12 12-24 H	12 12-24	8 12-16				44	80
	12 12-24 H						12 00-12	24	80
					12 12-24	12 12-24	12 12-24	36	80
	12 00-12	12 00-12 H	12 00-12	12 00-12	8			56	80
		8 H	8	8	8	8		40	80
	8 H	8	8	8	8		40	80	
	8 H	8	8	8	8		40	80	

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 13, 2011

HOO	HERO
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NAME	6/5	6/6	6/7	6/8	6/9	6/10	6/11	WK 1
	SUN	MON	TUE	WED	THU	FRI	SAT	
(b)(6)					12 12-24	12 12-24	12 12-24	36
	12 00-12	12 00-12	12 00-12					36
			8	12 00-12	12 00-12	12 00-12		44
	12 12-24	12 12-24	12 12-24	12 12-24	12 12-24	12 12-24	AL	72
				8 00-08	12 00-12	12 00-12	12 00-12	44
		12 12-24	12 12-24	12 12-24				36
	12 00-12	12 00-12	12 00-12	8 08-12				44
	12 12-24						12 00-12	24
			8				12 12-24	20
		8	8	8	8	8		40
		8	8	8	8	8		40
	8	8	8	8	8		40	

NAME	6/12	6/13	6/14	6/15	6/16	6/17	6/18	WK 2	PP
	SUN	MON	TUE	WED	THU	FRI	SAT		
(b)(6)	12 12-24	12 12-24	12 12-24	8 12-16				44	80
				8 16-24	12 12-24	12 12-24	12 12-24	44	80
					12 00-12	12 00-12	12 00-12	36	80
	AL	AL	AL	AL	AL	8 AL	AL	8	80
	12 00-12	12 00-12	12 00-12					36	80
			8	12 00-12	12 00-12	12 00-12		44	80
					12 12-24	12 12-24	12 12-24	36	80
	12 00-12	12 00-12	12 00-12	12 00-12	8	AL	AL	56	80
	12 12-24	12 12-24	12 12-24	12 12-24			12 00-12	60	80
		8	8	8	8	8		40	80
		8	8	8	8	8		40	80
	8	8	8	8	8		40	80	

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 14, 2011

HOO	HERO
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NAME	6/19	6/20	6/21	6/22	6/23	6/24	6/25	WK 1
	SUN	MON	TUE	WED	THU	FRI	SAT	
(b)(6)		12 12-24	12 12-24	12 12-24				36
	12 12-24	12 12-24	12 12-24			8		44
	12 00-12	12 00-12	12 00-12					36
			8	12 00-12	12 00-12	12 00-12		44
					12 12-24	12 12-24	12 12-24	36
				8 00-08	12 00-12	12 00-12	12 00-12	44
	12 12-24						12 00-12	24
			8	12 12-24	12 12-24	12 12-24	12 12-24	56
	12 00-12	12 00-12	12 00-12	8 06-12				44
	AL	8 AL	8 AL	8 AL	8 AL	8 AL	AL	40
		8	8	8	8	8		40
	8	8	8	8	8		40	

NAME	6/26	6/27	6/28	6/29	6/30	7/1	7/2	WK 2	PP
	SUN	MON	TUE	WED	THU	FRI	SAT		
(b)(6)			8	12 00-12	12 00-12	12 00-12 H		44	80
		12 12-24	12 12-24	12 12-24 H				36	80
				8 16-24	12 12-24	12 12-24	12 12-24	44	80
					12 00-12	12 00-12	12 00-12	36	80
	12 12-24	12 12-24	12 12-24	8 12-16				44	80
	12 00-12	12 00-12	12 00-12 H					36	80
	12 00-12	12 00-12	12 00-12	12 00-12	8 H			56	80
	12 12-24						12 00-12	24	80
					12 12-24	12 12-24	12 12-24	36	80
	AL	8 AL	8 AL	8 AL	8	8	AL	40	80
		8	8	8	8	8		40	80
	8	8	8	8	8		40	80	

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 15, 2011

Updated 01/17/11-VK

HOO	HERO
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		Independence Day							
		7/3	7/4	7/5	7/6	7/7	7/8	7/9	
NAME		SUN	MON	TUE	WED	THU	FRI	SAT	WK 1
(b)(6)					8 00-08	12 00-12	12 00-12	12 00-12	44
				8	12 00-12	12 00-12	12 00-12		44
					AL	AL	8 AL	AL	44
		12 00-12	12 00-12 H	12 00-12					36
			12 12-24 H	12 12-24	12 12-24				36
						12 12-24	12 12-24	12 12-24	36
				8	12 12-24	12 12-24	12 12-24	12 12-24	56
		12 00-12	12 00-12 H	12 00-12	8 08-12				44
		12 12-24 H						12 00-12	24
		AL	8 H	8 AL	8	8	8		40
			8 H	8	8	8	8		40
		8 H	8	8	8	8		40	

		7/10	7/11	7/12	7/13	7/14	7/15	7/16		
NAME		SUN	MON	TUE	WED	THU	FRI	SAT	WK 2	PP
(b)(6)		12 00-12	12 00-12	12 00-12					36	80
						12 00-12	12 00-12	12 00-12	36	80
			12 12-24	12 12-24	12 12-24				36	80
					8 16-24	12 12-24	12 12-24	12 12-24	44	80
				8	12 00-12	12 00-12	12 00-12		44	80
		12 12-24	12 12-24	12 12-24	8 12-16				44	80
		12 12-24						12 00-12	24	80
						12 12-24	12 12-24	12 12-24	36	80
		12 00-12	12 00-12	12 00-12	12 00-12	8			56	80
			8	8	8	8	8		40	80
			8	8	8	8	8		40	80
		8	8	8	8	8		40	80	

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 16, 2011

HOO	HERO
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NAME	7/17	7/18	7/19	7/20	7/21	7/22	7/23	WK 1
	SUN	MON	TUE	WED	THU	FRI	SAT	
(b)(6)					12 12-24	12 12-24	12 12-24	36
	12 00-12	12 00-12	12 00-12					36
			8	12 00-12	12 00-12	12 00-12		44
	12 12-24	12 12-24	12 12-24			8		44
				8 00-08	12 00-12	12 00-12	12 00-12	44
		12 12-24	12 12-24	12 12-24				36
	12 00-12	12 00-12	12 00-12	8 08-12				44
	12 12-24						12 00-12	24
			8	12 12-24	12 12-24	12 12-24	12 12-24	56
		8	8	8	8	8		40
		8	8	8	8	8		40
	8	8	8	8	8		40	

NAME	7/24	7/25	7/26	7/27	7/28	7/29	7/30	WK 2	PP
	SUN	MON	TUE	WED	THU	FRI	SAT		
(b)(6)	12 12-24	12 12-24	12 12-24	8 12-16				44	80
				8 16-24	12 12-24	12 12-24	12 12-24	44	80
					12 00-12	12 00-12	12 00-12	36	80
		12 12-24	12 12-24	12 12-24				36	80
	12 00-12	12 00-12	12 00-12					36	80
			8	12 00-12	12 00-12	12 00-12		44	80
					12 12-24	12 12-24	12 12-24	36	80
	12 00-12	12 00-12	12 00-12	12 00-12	8			56	80
	12 12-24						12 00-12	24	80
		8	8	8	8	8		40	80
		8	8	8	8	8		40	80
	8	8	8	8	8		40	80	

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 17, 2011

HOO	HERO
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NAME	7/31	8/1	8/2	8/3	8/4	8/5	8/6	WK 1
	SUN	MON	TUE	WED	THU	FRI	SAT	
(b)(6)		12 12-24	12 12-24	12 12-24				36
	12 12-24	12 12-24	12 12-24			8		44
	12 00-12	12 00-12	12 00-12					36
			8	12 00-12	12 00-12	12 00-12		44
					12 12-24	12 12-24	12 12-24	36
				8 00-08	12 00-12	12 00-12	12 00-12	44
	12 12-24						12 00-12	24
			8	12 12-24	12 12-24	12 12-24	12 12-24	56
	12 00-12	12 00-12	12 00-12	8 08-12				44
			9	9	9	9		36
		8	8	8	8	8		40
	8	8	8	8	8		40	

NAME	8/7	8/8	8/9	8/10	8/11	8/12	8/13	WK 2	PP
	SUN	MON	TUE	WED	THU	FRI	SAT		
(b)(6)			8	12 00-12	12 00-12	12 00-12		44	80
		12 12-24	12 12-24	12 12-24				36	80
				8 16-24	12 12-24	12 12-24	12 12-24	44	80
					12 00-12	12 00-12	12 00-12	36	80
	R-201	9 R-201	9 R-201	9 R-201	9 R-201	9 R-201	8 R-201	44	80
	12 00-12	12 00-12	12 00-12					36	80
	12 00-12	12 00-12	12 00-12	12 00-12	8			56	80
	12 12-24						12 00-12	24	80
					12 12-24	12 12-24	12 12-24	36	80
	12 12-24	12 12-24	12 12-24	8 12-16				44	80
		8	8	8	8	8	8	40	80
	8	8	8	8	8	8	40	80	

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 18, 2011

HOO	HERO
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	8/14	8/15	8/16	8/17	8/18	8/19	8/20	
NAME	SUN	MON	TUE	WED	THU	FRI	SAT	WK 1
(b)(6)				8 00-08	12 00-12	12 00-12	12 00-12	44
			8	12 00-12	12 00-12	12 00-12		44
	12 12-24	12 12-24	12 12-24			8		44
	12 00-12	12 00-12	12 00-12					36
		12 12-24	12 12-24	12 12-24				36
					12 12-24	12 12-24	12 12-24	36
			8	12 12-24	12 12-24	12 12-24	12 12-24	56
	12 00-12	12 00-12	12 00-12	8 08-12				44
	12 12-24						12 00-12	24
			9	9	9	9		36
		8	8	8	8	8		40
	8	8	8	8	8		40	

	8/21	8/22	8/23	8/24	8/25	8/26	8/27		
NAME	SUN	MON	TUE	WED	THU	FRI	SAT	WK 2	PP
(b)(6)	12 00-12	12 00-12	12 00-12					36	80
					12 00-12	12 00-12	12 00-12	36	80
		12 12-24	12 12-24	12 12-24				36	80
				8 16-24	12 12-24	12 12-24	12 12-24	44	80
			8	12 00-12	12 00-12	12 00-12		44	80
	12 12-24	12 12-24	12 12-24	8 12-16				44	80
	12 12-24						12 00-12	24	80
					12 12-24	12 12-24	12 12-24	36	80
	12 00-12	12 00-12	12 00-12	12 00-12	8			56	80
		9	9	9	9	8		44	80
		8	8	8	8	8		40	80
	8	8	8	8	8		40	80	

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 19, 2011

HOO	HERO
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	8/28	8/29	8/30	8/31	9/1	9/2	9/3	
NAME	SUN	MON	TUE	WED	THU	FRI	SAT	WK 1
(b)(6)					12 12-24	12 12-24	12 12-24	36
	12 00-12	12 00-12	12 00-12 H					36
			8	12 00-12	12 00-12	12 00-12 H		44
	12 12-24	12 12-24	12 12-24			8		44
				8 00-08	12 00-12	12 00-12	12 00-12	44
		12 12-24	12 12-24	12 12-24 H				36
	12 00-12	12 00-12	12 00-12	8 08-12 H				44
	12 12-24						12 00-12	24
			8	12 12-24	12 12-24	12 12-24	12 12-24	56
		9	9	9	9			36
		8	8	8	8	8		40
	8	8	8	8	8		40	

Labor Day

	9/4	9/5	9/6	9/7	9/8	9/9	9/10		
NAME	SUN	MON	TUE	WED	THU	FRI	SAT	WK 2	PP
(b)(6)	12 12-24	12 12-24 H	12 12-24	8 12-16				44	80
				8 16-24	12 12-24	12 12-24	12 12-24	44	80
					12 00-12	12 00-12	12 00-12	36	80
		12 12-24 H	12 12-24	12 12-24				36	80
	12 00-12	12 00-12 H	12 00-12					36	80
			8	12 00-12	12 00-12	12 00-12		44	80
					12 12-24	12 12-24	12 12-24	36	80
	12 00-12	12 00-12 H	12 00-12	12 00-12	8			56	80
	12 12-24 H						12 00-12	24	80
		8 H	9	9	9	9		44	80
		8 H	8	8	8	8		40	80
	8 H	8	8	8	8		40	80	

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 20, 2011

HOO	HERO
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	9/11	9/12	9/13	9/14	9/15	9/16	9/17	
NAME	SUN	MON	TUE	WED	THU	FRI	SAT	WK 1
(b)(6)		12 12-24	12 12-24	12 12-24				36
	12 12-24	12 12-24	12 12-24			8		44
	12 00-12	12 00-12	12 00-12					36
			8	12 00-12	12 00-12	12 00-12		44
					12 12-24	12 12-24	12 12-24	36
				8 00-08	12 00-12	12 00-12	12 00-12	44
	12 12-24						12 00-12	24
			8	12 12-24	12 12-24	12 12-24	12 12-24	56
	12 00-12	12 00-12	12 00-12	8 08-12				44
		8	8	8	8	8		40
		8	8	8	8	8		40
	8	8	8	8	8		40	

	9/18	9/19	9/20	9/21	9/22	9/23	9/24		
NAME	SUN	MON	TUE	WED	THU	FRI	SAT	WK 2	PP
(b)(6)			8	12 00-12	12 00-12	12 00-12		44	80
		12 12-24	12 12-24	12 12-24				36	80
				8 16-24	12 12-24	12 12-24	12 12-24	44	80
					12 00-12	12 00-12	12 00-12	36	80
	12 12-24	12 12-24	12 12-24	8 12-16				44	80
	12 00-12	12 00-12	12 00-12					36	80
	12 00-12	12 00-12	12 00-12	12 00-12	8			56	80
	12 12-24						12 00-12	24	80
					12 12-24	12 12-24	12 12-24	36	80
		8	8	8	8	8		40	80
		8	8	8	8	8		40	80
	8	8	8	8	8		40	80	

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 21, 2011

HOO	HERO
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NAME	9/25	9/26	9/27	9/28	9/29	9/30	10/1	WK 1
	SUN	MON	TUE	WED	THU	FRI	SAT	
(b)(6)				8 00-08	12 00-12	12 00-12	12 00-12	44
			8	12 00-12	12 00-12	12 00-12		44
	12 12-24	12 12-24	12 12-24			8		44
	12 00-12	12 00-12	12 00-12					36
		12 12-24	12 12-24	12 12-24	8 4 OT			44
					12 12-24	12 12-24	12 12-24	36
			8	12 12-24	12 12-24	12 12-24	12 12-24	56
		12 00-12	12 00-12	12 00-12	8 08-12			44
		12 12-24					12 00-12	24
		8	8	8	8	8		40
		8	8	8	8	8		40
							40	

NAME	10/2	10/3	10/4	10/5	10/6	10/7	10/8	WK 2	PP
	SUN	MON	TUE	WED	THU	FRI	SAT		
(b)(6)	12 00-12	12 00-12	12 00-12 H					36	80
					12 00-12	12 00-12	12 00-12	36	80
		12 12-24	12 12-24	12 12-24 H				36	80
				8 16-24	12 12-24	12 12-24	12 12-24	44	80
		Tmg	Tmg					40	84
	12 12-24	12 12-24	12 12-24	8 12-16				44	80
		12 12-24					12 00-12	24	80
					12 12-24	12 12-24	12 12-24	36	80
		12 00-12	12 00-12	12 00-12	12 00-12	8 H		56	80
		8	8	8	8	8		40	80
		8	8	8	8	8		40	80
	8	8	8	8	8		40	80	

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 22, 2011

HOO	HERO
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Columbus Day

	10/9	10/10	10/11	10/12	10/13	10/14	10/15	
NAME	SUN	MON	TUE	WED	THU	FRI	SAT	WK 1
(b)(6)					12 12-24	12 12-24	12 12-24	36
	12 00-12	12 00-12 H	12 00-12					36
			8	12 00-12	12 00-12	12 00-12		44
	12 12-24	12 12-24 H	12 12-24			8		44
	AL	AL	AL					44
		12 12-24 H	12 12-24	12 12-24				36
	12 00-12	8 H	8	8	8			44
	12 12-24 H						12 00-12	24
			8	12 12-24	12 12-24	12 12-24	12 12-24	56
		12 00-12 H	12 00-12	8 08-12	8			40
		8 H	8	8	8	8		40
	8 H	8	8	8	8		40	

	10/16	10/17	10/18	10/19	10/20	10/21	10/22		
NAME	SUN	MON	TUE	WED	THU	FRI	SAT	WK 2	PP
(b)(6)	12 12-24	12 12-24	12 12-24	8 12-16				44	80
				8 16-24	12 12-24	12 12-24	12 12-24	44	80
					12 00-12	12 00-12	12 00-12	36	80
		12 12-24	12 12-24	12 12-24				36	80
				AL	AL	AL	AL	36	80
			8	12 00-12	12 00-12	12 00-12		44	80
					12 12-24	12 12-24	12 12-24	36	80
	12 00-12	12 00-12	12 00-12	12 00-12	8			56	80
	12 12-24						12 00-12	24	80
		8	8	8	8	8		40	80
		8	8	8	8	8		40	80
	8	8	8	8	8		40	80	

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 23, 2011

HOO	HERO
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NAME	10/23	10/24	10/25	10/26	10/27	10/28	10/29	WK 1
	SUN	MON	TUE	WED	THU	FRI	SAT	
(b)(6)		12 12-24	12 12-24	12 12-24				36
	12 12-24	12 12-24	12 12-24			8		44
	12 00-12	12 00-12	12 00-12					36
			8	12 00-12	12 00-12	12 00-12		44
	AL	AL	AL	AL	12 12-24	12 12-24	12 12-24	36
				8 00-08	12 00-12	12 00-12	12 00-12	44
	12 12-24						12 00-12	24
			8	12 12-24	12 12-24	12 12-24	12 12-24	56
	12 00-12	12 00-12	12 00-12	8 08-12				44
		8	8	8	8	8		40
		8	8	8	8	8		40
	8	8	8	8	8		40	

NAME	10/30	10/31	11/1	11/2	11/3	11/4	11/5	WK 2	PP
	SUN	MON	TUE	WED	THU	FRI	SAT		
(b)(6)			8	12 00-12	12 00-12	12 00-12		44	80
		12 12-24	12 12-24	12 12-24				36	80
				8 16-24	12 12-24	12 12-24	12 12-24	44	80
					12 00-12	12 00-12	12 00-12	36	80
	12 12-24	12 12-24	12 12-24	8 12-16				44	80
	12 00-12	12 00-12	12 00-12					36	80
	12 00-12	12 00-12	12 00-12	12 00-12	8			56	80
	12 12-24						12 00-12	24	80
					12 12-24	12 12-24	12 12-24	36	80
		8	8	8	8	8		40	80
		8	8	8	8	8		40	80
	8	8	8	8	8		40	80	

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 24, 2011

		HOO		HERO				
		Veteran's Day						
	11/6	11/7	11/8	11/9	11/10	11/11	11/12	
NAME	SUN	MON	TUE	WED	THU	FRI	SAT	WK 1
(b)(6)				8 00-08	12 00-12	12 00-12 H	12 00-12	44
			8	12 00-12	12 00-12	12 00-12 H		44
	12 12-24	12 12-24	12 12-24			8 H		44
	12 00-12	12 00-12	12 00-12 H					36
		12 12-24	12 12-24	12 12-24 H				36
					12 12-24	12 12-24 H	12 12-24	36
			8	12 12-24	12 12-24	12 12-24 H	12 12-24	56
	12 00-12	12 00-12	12 00-12	8 08-12 H				44
	12 12-24 H						12 00-12	24
		8	8	8	8	8 H		40
		8	8	8	8	8 H		40
	8	8	8	8	8 H		40	

	11/13	11/14	11/15	11/16	11/17	11/18	11/19		
NAME	SUN	MON	TUE	WED	THU	FRI	SAT	WK 2	PP
(b)(6)	12 00-12	12 00-12	12 00-12					36	80
					12 00-12	12 00-12	12 00-12	36	80
		12 12-24	12 12-24	12 12-24				36	80
				8 16-24	12 12-24	12 12-24	12 12-24	44	80
		8		12 00-12	12 00-12	12 00-12		44	80
	12 12-24	12 12-24	12 12-24	8 12-16				44	80
	12 12-24						12 00-12	24	80
					12 12-24	12 12-24	12 12-24	36	80
	12 00-12	12 00-12	12 00-12	12 00-12	8			56	80
		8	8	8	8	8		40	80
		8	8	8	8	8		40	80
	8	8	8	8	8		40	80	

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 25, 2011

						HOO	HERO		
						Thanksgiving			
NAME	11/20 SUN	11/21 MON	11/22 TUE	11/23 WED	11/24 THU	11/25 FRI	11/26 SAT	WK 1	
(b)(6)					12 12-24 H	12 12-24	12 12-24	36	
	12 00-12	12 00-12	12 00-12 H					36	
			8	12 00-12	12 00-12 H	12 00-12		44	
	12 12-24	12 12-24	12 12-24 H			8		44	
				8 00-08	12 00-12 H	12 00-12	12 00-12	44	
		12 12-24	12 12-24	12 12-24 H				36	
	12 00-12	12 00-12	12 00-12	8 08-12 H				44	
	12 12-24 H						12 00-12	24	
			8	12 12-24	12 12-24 H	12 12-24	12 12-24	56	
		8	8	8	8 H	8		40	
		8	8	8	8 H	8		40	
	8	8	8	8 H	8		40		

NAME	11/27 SUN	11/28 MON	11/29 TUE	11/30 WED	12/1 THU	12/2 FRI	12/3 SAT	WK 2	PP
(b)(6)	12 12-24	12 12-24	12 12-24	8 12-16				44	80
				8 16-24	12 12-24	12 12-24 H	12 12-24	44	80
					12 00-12	12 00-12	12 00-12	36	80
		12 12-24	12 12-24	12 12-24				36	80
	12 00-12	12 00-12	12 00-12					36	80
			8	12 00-12	12 00-12	12 00-12		44	80
					12 12-24	12 12-24	12 12-24	36	80
	12 00-12	12 00-12	12 00-12	12 00-12	8			56	80
	12 12-24						12 00-12	24	80
		8	8	8	8	8		40	80
		8	8	8	8	8		40	80
	8	8	8	8	8		40	80	

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 26, 2011

HOO	HERO
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NAME	12/4	12/5	12/6	12/7	12/8	12/9	12/10	WK 1
	SUN	MON	TUE	WED	THU	FRI	SAT	
(b)(6)		12 12-24	12 12-24	12 12-24				36
	12 12-24	12 12-24	12 12-24			8		44
	12 00-12	12 00-12	12 00-12					36
			8	12 00-12	12 00-12	12 00-12		44
					12 12-24	12 12-24	12 12-24	36
				8 00-08	12 00-12	12 00-12	12 00-12	44
	12 12-24						12 00-12	24
			8	12 12-24	12 12-24	12 12-24	12 12-24	56
	12 00-12	12 00-12	12 00-12	8 08-12				44
		8	8	8	8	8		40
		8	8	8	8	8		40
	8	8	8	8	8		40	

NAME	12/11	12/12	12/13	12/14	12/15	12/16	12/17	WK 2	PP
	SUN	MON	TUE	WED	THU	FRI	SAT		
(b)(6)			8	12 00-12	12 00-12	12 00-12		44	80
		12 12-24	12 12-24	12 12-24				36	80
				8 16-24	12 12-24	12 12-24	12 12-24	44	80
					12 00-12	12 00-12	12 00-12	36	80
	12 12-24	12 12-24	12 12-24	8 12-16				44	80
	12 00-12	12 00-12	12 00-12					36	80
	12 00-12	12 00-12	12 00-12	12 00-12	8			56	80
	12 12-24						12 00-12	24	80
					12 12-24	12 12-24	12 12-24	36	80
		8	8	8	8	8		40	80
		8	8	8	8	8		40	80
	8	8	8	8	8		40	80	

HOO/HERO is authorized 0.25 hours OT for shift turnover at the beginning of each shift.

Scheduled by: _____

Approved by: _____

Pay Period 1, 2012

HOO	HERO
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	12/18	12/19	12/20	12/21	12/22	12/23	12/24	
NAME	SUN	MON	TUE	WED	THU	FRI	SAT	WK 1
(b)(6)				8 00-08	12 00-12	12 00-12	12 00-12	44
			8	12 00-12	12 00-12	12 00-12		44
	12 12-24	12 12-24	12 12-24			8		44
	12 00-12	12 00-12	12 00-12					36
		12 12-24	12 12-24	12 12-24				36
					12 12-24	12 12-24	12 12-24	36
			8	12 12-24	12 12-24 H	12 12-24	12 12-24	56
	12 00-12	12 00-12	12 00-12	8 08-12				44
	12 12-24						12 00-12	24
		8	8	8	8	8		40
		8	8	8	8	8		40
	8	8	8	8	8		40	

Christmas Day

	12/25	12/26	12/27	12/28	12/29	12/30	12/31			
NAME	SUN	MON	TUE	WED	THU	FRI	SAT	WK 2	PP	
(b)(6)	12 00-12 H	12 00-12	12 00-12					36	80	
					12 00-12 H	12 00-12	12 00-12	36	80	
		12 12-24	12 12-24	12 12-24				36	80	
				8 16-24 H	12 12-24	12 12-24	12 12-24	44	80	
			8 H	12 00-12	12 00-12	12 00-12		44	80	
	12 12-24 H	12 12-24	12 12-24	8 12-16				44	80	
	12 12-24 H						12 00-12	24	80	
						12 12-24 H	12 12-24	12 12-24	36	80
	12 00-12 H	12 00-12	12 00-12	12 00-12	8			56	80	
		8 H	8	8	8	8		40	80	
		8 H	8	8	8	8		40	80	
	8 H	8	8	8	8		40	80		