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**From:** Monninger, John  
**Sent:** Monday, March 28, 2011 6:41 AM  
**To:** Coggins, Angela  
**Subject:** CALL ME 8:00 PM MTG

Need to figure out driving arrangements.

John Monninger

(b)(6)

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**From:** Monninger, John  
**Sent:** Monday, March 28, 2011 6:28 AM  
**To:** Coggins, Angela  
**Cc:** Batkin, Joshua  
**Subject:** Airport Transportation - Embassy Car Departs 8:30 am

Angela,

The Embassy is providing a car for you and the Chairman tomorrow morning to the airport. It departs 8:30 from the hotel. Somehow, you are suppose to be expedited through the airport. Your flight leaves at 11:05.

Do you want an Embassy employee to accompany you guys on the trip to the airport?

Do you want me to accompany you guys to the airport? My question is whether the Chairman will want to download on the trip, or discuss in more depth any details of the issue.

Also, the question has been raised as to whether I shouldn't consider staying a few more days until Elmo Collins arrives.

John M.



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**From:** Monninger, John  
**Sent:** Monday, March 28, 2011 6:15 AM  
**To:** Virgilio, Martin; Batkin, Joshua  
**Subject:** FW: Talking points

Josh, Marty:

FYI. We pulled the attached proposed/draft talking points together for the Chairman's consideration based on his meetings today.

John M.

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From: Dorman, Dan  
Sent: Monday, March 28, 2011 5:38 AM  
To: Coggins, Angela  
Cc: Casto, Chuck; Monninger, John  
Subject: Talking points

(b)(5)

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**From:** Monninger, John  
**Sent:** Monday, March 28, 2011 6:04 AM  
**To:** JapanEmbassy, TaskForce; Casto, Chuck; Cherry, Ronald C; Duncan, Aleshia D; Dorman, Dan  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

Jennifer,

Though not directly involved, I believe they may be referring to "tungsten" suits. I've heard 1/8" of tungsten provides the equivalent shielding of 1" of lead. I have no insights on whether such Tu suits exist or not. They separately inquired to DoD for sheets of Tu.

John M.

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**From:** JapanEmbassy, TaskForce [JapanEmbassyTaskForce@state.gov]  
**Sent:** Monday, March 28, 2011 4:08 AM  
**To:** Monninger, John; JapanEmbassy, TaskForce; Casto, Chuck; Cherry, Ronald C; Duncan, Aleshia D; Dorman, Dan  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

John,

Thank you for your response. We will pass on to the Washington Task Force. Hate to ask but do you have answers for the other questions on protective suits?  
Best regards.

Jennifer Clever  
Japan Emergency Command Center  
U.S. Embassy, Tokyo

SBU  
This email is UNCLASSIFIED.

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**From:** Monninger, John [mailto:John.Monninger@nrc.gov]  
**Sent:** Monday, March 28, 2011 3:25 PM  
**To:** JapanEmbassy, TaskForce; Casto, Chuck; Cherry, Ronald C; Duncan, Aleshia D; Dorman, Dan  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

Lynda,

Regarding the request from Japan for high pressure hose with couplers, they provided the following information:

Use - residual heat removal to replace fire engine hoses that are currently being used  
Water Pressure Rating - 1 MPa  
Heat Resistance - 150 C  
Tube Diameter - 200 a (8 inches)  
Length - 500 m

Total Length - 1500 m (need 3 sections of about 500 m each; they understand that the hose typically comes in units of 50 m with couplers at each end)

Contact at TEPCO: Mr. Hijikata +81 3 6373 4905

John Monninger

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**From:** JapanEmbassy, TaskForce [JapanEmbassyTaskForce@state.gov]  
**Sent:** Sunday, March 27, 2011 3:01 PM  
**To:** Casto, Chuck; Cherry, Ronald C; Duncan, Aleshia D; Dorman, Dan; Monninger, John; Trapp, James; James Trapp NRC  
**Cc:** JapanEmbassy, TaskForce  
**Subject:** FW: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

Can NRC respond to the below questions/comments from the Washington task force?

Thank you,

Lynda

on behalf of the Japan Emergency Command Center, +81-3-3224- 5533

Lynda Hinds  
Staff Assistant to Ambassador John V. Roos  
U.S. Embassy  
1-10-5 Akasaka, Minato-ku  
Tokyo 107-8420  
Tel. (03) 3224- 5370

[Twitter.com/AmbassadorRoos](https://twitter.com/AmbassadorRoos)

This email is UNCLASSIFIED.

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**From:** Brendel, Brian D **On Behalf Of** zTask Force 1 Mailbox  
**Sent:** Monday, March 28, 2011 3:56 AM  
**To:** JapanEmbassy, TaskForce; 'RMTFACTSU\_RM'; zTask Force 1 Mailbox; 'RMT\_PACTSU'  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

Regarding Hydraulic hoses and couplers (couplings?):

Are these hard to find items in the U.S.?

I don't want to steal the thunder from the Australians, but I think these may be something we do not want to let get delayed.

Did the Australians seem very confident they can supply Hydraulic Hoses and quickly and in sufficient quantity?

P.S. Any luck on the radioactive – protection suits?

Brian

---

**From:** JapanEmbassy, TaskForce  
**Sent:** Sunday, March 27, 2011 10:42 AM  
**To:** 'RMTPACTSU\_RM'; zTask Force 1 Mailbox; RMT\_PACTSU  
**Cc:** JapanEmbassy, TaskForce  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

We received the following information from the NRC team in Tokyo:

1. Hydraulic hoses.....equipment not located as of yet, the Australians are seeking this equipment. We will update the Japanese Cabinet meeting tomorrow night.
2. Shielding.....points of contact for tungsten shielding were provided at the cabinet meeting tonight.
3. Suits.....we don't believe that such suits exist. We are still in pursuit of these.

on behalf of the Japan Emergency Command Center, +81-3-3224- 5533

Lynda Hinds  
Staff Assistant to Ambassador John V. Roos  
U.S. Embassy  
1-10-5 Akasaka, Minato-ku  
Tokyo 107-8420  
Tel. (03) 3224- 5370

[Twitter.com/AmbassadorRoos](https://twitter.com/AmbassadorRoos)

This email is UNCLASSIFIED.

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**From:** RMTPACTSU\_RM [mailto:RMTPACTSU\_RM@ofda.gov]  
**Sent:** Sunday, March 27, 2011 11:39 PM  
**To:** zTask Force 1 Mailbox; RMT\_PACTSU  
**Cc:** JapanEmbassy, TaskForce  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

Brian, we did convey this request to the expanded DART and per a concall last night were told the specific request was being discussed at the Tokyo level. We did not receive a further update this morning and we are asking again where things stand....Justin

---

**From:** Brendel, Brian D [mailto:BrendelBD@state.gov] **On Behalf Of** zTask Force 1 Mailbox  
**Sent:** Sunday, March 27, 2011 9:37 AM  
**To:** RMTPACTSU\_RM; zTask Force 1 Mailbox; RMT\_PACTSU  
**Cc:** JapanEmbassy, TaskForce  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

Dear RMT colleagues,

I am hoping to have an update on the following for today's phone call with Ambassador Fujisaki:

- 1: Hydraulic hoses with couplers (couplings?)
- 2: Radioactive shielding for vehicles
- 3: Protective clothing (suits) against radioactivity.

Was there any word from the expanded DART in Tokyo?

Brian Brendel

Cell (b)(6)

TaskForce switchboard: 202-647-6611

P.S. The task force still does have real live people staffing it, especially on our night shift 11:00 PM – 7:00 AM

---

**From:** RMTFACTSU\_RM [mailto:RMTFACTSU\_RM@ofda.gov]  
**Sent:** Saturday, March 26, 2011 2:55 PM  
**To:** zTask Force 1 Mailbox; RMT\_FACTSU  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

Brian, you have the correct address. We have routed this information to the expanded DART in Tokyo and expect to have some feedback from them our Sunday AM...thanks...Justin

---

**From:** Brendel, Brian D [mailto:BrendelBD@state.gov] **On Behalf Of** zTask Force 1 Mailbox  
**Sent:** Saturday, March 26, 2011 2:47 PM  
**To:** RMT\_FACTSU  
**Subject:** FW: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

Dear RMT (I believe this is your correct email, please confirm):

Ambassador Fujisaki told EAP Acting A/S Joe Donovan that at the most recent meeting with the U.S. Embassy in Tokyo, Senior Advisor Hosono and his team requested hydraulic hoses with couplers and radioactive shielding for vehicles, as well as additional radioactive protective clothing.

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**From:** Green, Christopher L  
**Sent:** Saturday, March 26, 2011 12:40 PM  
**To:** Zumwalt, James P; Campbell, Kurt M  
**Cc:** TaskForce-1 - Japan; JapanEmbassy, TaskForce; Loi, James L; Patel, Nirav S; EAP-J-Office-DL; Tong, Kurt W; Donovan, Joseph R  
**Subject:** 03 26 11 Donovan-Fujisaki meeting notes 1100

A/S Campbell, Jim,

Here are the call notes and action items from today's 11:00 a.m. call with Ambassador Fujisaki.

Regards,  
Christopher

Christopher Green  
Office of Japan Affairs

U.S. Department of State  
Tel: (202) 647 2914  
Fax: (202) 647 4402

**PDAS Donovan call notes with Ambassador Fujisaki, March 26, 1100  
And Action Items**

**GOJ Asks:** Ambassador Fujisaki told EAP Acting A/S Joe Donovan that at the most recent meeting with the U.S. Embassy in Tokyo, Senior Advisor Hosono and his team requested hydraulic hoses with couplers and radioactive shielding for vehicles, as well as additional radioactive protective clothing.

**Water:** Donovan said that Costco has determined they have the capacity to provide up to 7 million bottles of water per week to Tokyo in 100 containers, each holding 70,000 bottles. Ambassador Fujisaki asked if Costco could make a public announcement on the delivery of bottled water.

**Robots:** Ambassador Fujisaki said that the robots and associated equipment was now going to be transported via Japan Airlines (JAL) and not FedEx. It is scheduled to depart Monday and will arrive Tuesday Japan time.

**Barges and Hypothetical Bounding Models:** Donovan said two U.S. Navy Barges holding fresh water left the port of Yokosuka on March 25 and 26, respectively, to add capacity to Freshwater + boric Acid spraying onto the reactors. He also said that the instruction cable on the plume models should be sent to Embassy Tokyo today. Ambassador Fujisaki asked how many tons of water. Donovan said we would follow up. (We have subsequently informed the Japanese Embassy that each barge holds 350,000 gallons of fresh water.)

Ambassador Fujisaki said that he thought things were going well with his exchanges with senior U.S. officials. He recently met with Dep Sec Poneman, Administrator Jackson, and Secretary Chu among others.

**KMAX:** Donovan requested that in meetings in Tokyo that the GOJ provide a clear plan for usage of the KMAX, and reiterated our request that the GOJ address indemnity issues by invoking the IAEA Convention on Nuclear Disasters.

The Ambassador explained that the GOJ was not familiar with the capabilities of KMAX and that it would be operated by Americans on the ground who would advise the best use for the equipment. This might be a redundancy, but the GOJ would still appreciate it. Donovan asked Ambassador Fujisaki to follow up with Special Advisor Hosono in Tokyo about invoking the IAEA convention. Ambassador Fujisaki said that the GOJ has been reluctant to invoke the Convention.

The next call with Ambassador Fujisaki is scheduled for Sunday, March 27, at 12:00 p.m.

**ACTION ITEMS**

**Bottled Water:** Embassy Tokyo: please determine if COSTCO or DART can make a public announcement.

**Lockheed Martin KMAX Helicopter:** Request Embassy Tokyo raise indemnity issue.

~~SBU~~  
This email is UNCLASSIFIED.

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**From:** Monninger, John  
**Sent:** Monday, March 28, 2011 5:55 AM  
**To:** Cherry, Ronald C; Miller, Marie; Jackson, Todd  
**Subject:** RE: sensors used by TEPCO

Todd, Marie:

Please see below.

Thanks,  
John M.

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From: Cherry, Ronald C [CherryRC@state.gov]  
Sent: Monday, March 28, 2011 5:43 AM  
To: Simmers, Keith A MAJ USA; Dorman, Dan; Monninger, John; Scott, Michael; DartDOELiaison1@OFDA.gov; Johnstone, Gregg M  
Cc: Duncan, Aleshia D  
Subject: RE: sensors used by TEPCO

Keith, I'm referring you question to the NRC and the DOE monitoring team who may be able to address these questions.

Dan, my apologies, but I don't think I have the email contact info yet for your folks who replaced Jack Foster. Would appreciate it if you could forward.

Thanks.

Ron

This email is UNCLASSIFIED

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

From: Simmers, Keith A MAJ USA [mailto:(b)(6)]  
Sent: Monday, March 28, 2011 6:40 PM  
To: Cherry, Ronald C  
Subject: sensors used by TEPCO

Sir,

Do you have visibility on which monitors TEPCO is using at the reactor site? I received the following questions below from our CMAT/modelers.

If you are not aware, would you know who would be able to answer these questions?

1. Is the Japanese government or TEPCO using gamma spectrometers (NaI or High Purity Germanium) to determine the isotope spectrum of the area around each reactor building?

2. Is the Japanese government or TEPCO employing air sample collection assets to collect air samples directly over each reactor building to identify the isotope percentage distribution of the air effusing from of each of the reactor buildings?

3. If yes to all, would they provide the spectrum data to the you (DOE) and DTRA?

We wish to have the data progressing each day in order to perform time-phased analysis, to determine the behavior of each reactor and their respective spent fuel pools.

4. If no to #2 for air sampling, can the Japanese government or TEPCO assist you (DOE) in collecting air samples?

This effort will most likely require either rotary or fixed wing.

Rotary wing is preferred for characterizing each reactor independently.

Fixed wing will provide overall threat of the released contaminants (radioactive isotopes).

5. Is the Japanese government or TEPCO using neutron detectors? If yes, are they seeing any indication of neutron emission from any of the reactor buildings? If neutron readings are observed, what is the energy spectrum and frequency, and in what location of the reactor building?

Thank you,  
Keith

KEITH SIMMERS  
MAJ, USA



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**From:** Monninger, John  
**Sent:** Monday, March 28, 2011 3:31 AM  
**To:** Hochevarar@inpo.org  
**Subject:** FW: Contact points about Radiation Monitors

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From: saigai34@mext.go.jp [saigai34@mext.go.jp]  
Sent: Sunday, March 27, 2011 4:37 AM  
To: Monninger, John; hochevarar@inpo.org  
Cc: saigai03@mext.go.jp; akasaka@mext.go.jp; senami@mext.go.jp; saigai20@mext.go.jp; sakuma-yasuhiro@meti.go.jp; saigai35@mext.go.jp; saigai11@mext.go.jp  
Subject: Contact points about Radiation Monitors

Dear Mr. Monninger(NRC) and Mr. Hochevar(INPO)

On behalf of Mr. Kato ,Deputy Director-General, Higher Education Bureau, MEXT,Japan.

This mail is Registering contact points about Radiation Monitors (following ERC meeting).

\*\*\*\*\*

The contact point about Radiation Friskers - Hand and Foot monitors- is

Mr. Hideaki Kanehama  
( Tokyo Electoric Power Company )  
TEL: 03-6373-5470  
E-mail: [kanehama.hideaki@tepcoco.jp](mailto:kanehama.hideaki@tepcoco.jp)

\*\*\*\*\*

The contact point about all kind of radiation monitors is

Mr.Masashi Kanamori  
(Director of Nuclear Emergency Assistance and Training Center on Japan Atomic Energy Agency)  
TEL: 029-264-2681  
FAX: 029-264-2682  
E-mail: [neat-i02@neat.gr.jp](mailto:neat-i02@neat.gr.jp)

\*\*\*\*\*

Sincerely.

Yutaka Hara  
Staff of Emergency Operation Center in MEXT,Japan  
tel: 03-5253-4111 ex4603  
e-mail: [saigai34@mext.go.jp](mailto:saigai34@mext.go.jp)

---

**From:** Monninger, John  
**Sent:** Monday, March 28, 2011 3:30 AM  
**To:** Hochevarar@inpo.org  
**Subject:** FW: GOJ requests Hydraulic hoses with couplers & radioactive shielding for vehicles as well as additional protective clothing

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**From:** McCarthy, James H. [McCarthyJH@inpo.org] On Behalf Of INPOERCAssistance [INPOERCAssistance@inpo.org]  
**Sent:** Monday, March 28, 2011 2:52 AM  
**To:** Monninger, John; LIA07 Hoc; Liaison Japan; Burris, Rick E (INPO); INPOERCAssistance; Hochevar@inpo.org; NielsonFM@inpo.org; matthew.gooder@exeloncorp.com  
**Cc:** Dorman, Dan; Casto, Chuck  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive shielding for vehicles as well as additional protective clothing

John

Thanks, this clears up the requirements.

This has the right distribution and I will ensure that the information gets passed forward.

Jim McCarthy

Night Shift INPO ERC assistance

770 644-8118 ERC

(b)(6) Cell.

---

**From:** Monninger, John [mailto:John.Monninger@nrc.gov]  
**Sent:** Monday, March 28, 2011 2:45 AM  
**To:** LIA07 Hoc; Liaison Japan; Burris, Rick E (INPO); INPOERCAssistance; Hochevar@inpo.org; NielsonFM@inpo.org; matthew.gooder@exeloncorp.com  
**Cc:** Dorman, Dan; Casto, Chuck  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive shielding for vehicles as well as additional protective clothing

Regarding the request from Japan for high pressure hose with couplers, they provided the following information:

Use - residual heat removal to replace fire engine hoses that are currently being used

Water Pressure Rating - 1 MPa

Heat Resistance - 150 C

Tube Diameter - 200 a (8 inches)

Length - 500 m

Total Length - 1500 m (need 3 sections of about 500 m each; they understand that the hose typically comes in units of 50 m with couplers at each end)

Contact at TEPCO: Mr. Hijikata +81 3 6373 4905

This request for hoses with couplers for RHR is different from the discussion below of 24 miles of piping from a freshwater lake. The 24 miles of piping was brought up by USFJ, and was to provide fresh water to the site. The request above from Japan is for hosing on-site.

John Monninger

NRC

(b)(6)

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**From:** LIA07 Hoc  
**Sent:** Sunday, March 27, 2011 7:41 PM  
**To:** Liaison Japan  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive shielding for vehicles as well as additional protective clothing

FYI

---

**From:** Burris, Rick E (INPO) [mailto:BurrisRE@INPO.org] **On Behalf Of** INPOERCAssistance  
**Sent:** Sunday, March 27, 2011 7:21 PM  
**To:** LIA07 Hoc  
**Cc:** McCarthy, James H.; Hochevar, Albert R. (INPO); Nielsen, Rick M (INPO); matthew.gooder@exeloncorp.com  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive shielding for vehicles as well as additional protective clothing

Good Evening Nichole – INPO ERC Assistance did receive this request this afternoon at approximately 1505 and I replied at approximately 1526.

Context of e-mail I received:

“INPO may be of assistance as they have US industry and licensee contacts. Contact info: [inpoercassistance@inpo.org](mailto:inpoercassistance@inpo.org), 770-644-8118.”

LIA01

I responded as well as talked with Patrick O'Brien of Task Force One. What is needed by INPO are the exact specifications of the water hose “Hydraulic hose and couplings” that are needed by GoJ. My understanding is that GoJ desires to run piping (hose) from a freshwater lake approximately 24 miles from Fukushima Dai-ichi station. So if you can see that during the 2130 call tonight with the embassy in Tokyo this topic is discussed and if you require our assistance (which we will gladly provide), please ensure that very specific specifications are provided to us. Pumping water 24 miles will be quite a feat!

I am on days (0800 – 2000) and for the next several nights Jim McCarthy will be in from 2000 – 0800. So probably the best person to relay the information back to us would be our member of the Embassy team, Al Hochevar.

Best regards,

Rick Burris

***Richard E. Burris***  
***Institute of Nuclear Power Operations***  
***Senior Representative***  
***Entergy Nuclear Fleet Senior Representative***

**(770) 644-8634 (Office)**  
**(b)(6) (Mobile)**

---

**From:** LIA07 Hoc [mailto:LIA07.Hoc@nrc.gov]  
**Sent:** Sunday, March 27, 2011 6:52 PM  
**To:** HOO Hoc; OST01 HOC; OST02 HOC; OST03 HOC  
**Cc:** INPOERCAssistance  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

All,

It is not entirely clear whether this request was forwarded to INPO, per Michael Dudek's message below; to err on the side of caution, INPO is copied on this message, as they are coordinating offers of support regarding requests of this nature.

Thank you,  
Nichole

---

**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

Brian, Lynda:

INPO may be of assistance as they have US industry and licensee contacts. Contact info: [inpoercassistance@inpo.org](mailto:inpoercassistance@inpo.org), 770-644-8118. For the last week or so they have been filtering all technical offers of assistance, prioritizing them, and facilitating as necessary. They should have a list of items (hoses, couplings, protective suits) that are available.

Michael I. Dudek  
US Nuclear Regulatory Commission

---

**From:** Brendel, Brian D [mailto:BrendelBD@state.gov] **On Behalf Of** zTask Force 1 Mailbox  
**Sent:** Sunday, March 27, 2011 2:56 PM  
**To:** JapanEmbassy, TaskForce; RMTPACTSU\_RM; zTask Force 1 Mailbox; RMT\_PACTSU  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

Regarding Hydraulic hoses and couplers (couplings?):

Are these hard to find items in the U.S.?

I don't want to steal the thunder from the Australians, but I think these may be something we do not want to let get delayed.

Did the Australians seem very confident they can supply Hydraulic Hoses and quickly and in sufficient quantity?

P.S. Any luck on the radioactive – protection suits?

Brian

---

**From:** JapanEmbassy, TaskForce  
**Sent:** Sunday, March 27, 2011 10:42 AM  
**To:** 'RMTPACTSU\_RM'; zTask Force 1 Mailbox; RMT\_PACTSU  
**Cc:** JapanEmbassy, TaskForce

**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

We received the following information from the NRC team in Tokyo:

1. Hydraulic hoses.....equipment not located as of yet, the Australians are seeking this equipment. We will update the Japanese Cabinet meeting tomorrow night.
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3. Suits.....we don't believe that such suits exist. We are still in pursuit of these.

on behalf of the Japan Emergency Command Center, +81-3-3224- 5533

Lynda Hinds  
Staff Assistant to Ambassador John V. Roos  
U.S. Embassy  
1-10-5 Akasaka, Minato-ku  
Tokyo 107-8420  
Tel. (03) 3224- 5370

[Twitter.com/AmbassadorRoos](https://twitter.com/AmbassadorRoos)



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Brian, we did convey this request to the expanded DART and per a concall last night were told the specific request was being discussed at the Tokyo level. We did not receive a further update this morning and we are asking again where things stand...Justin

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Dear RMT colleagues,

I am hoping to have an update on the following for today's phone call with Ambassador Fujisaki:

- 1: Hydraulic hoses with couplers (couplings?)

- 2: Radioactive shielding for vehicles
- 3: Protective clothing (suits) against radioactivity.

Was there any word from the expanded DART in Tokyo?

Brian Brendel

Cell (b)(6)

TaskForce switchboard: 202-647-6611

P.S. The task force still does have real live people staffing it, especially on our night shift 11:00 PM – 7:00 AM

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**Sent:** Saturday, March 26, 2011 12:40 PM  
**To:** Zumwalt, James P; Campbell, Kurt M  
**Cc:** TaskForce-1 - Japan; JapanEmbassy, TaskForce; Loi, James L; Patel, Nirav S; EAP-J-Office-DL; Tong, Kurt W; Donovan, Joseph R  
**Subject:** 03 26 11 Donovan-Fujisaki meeting notes 1100

A/S Campbell, Jim,

Here are the call notes and action items from today's 11:00 a.m. call with Ambassador Fujisaki.

Regards,  
Christopher

Christopher Green  
Office of Japan Affairs  
U.S. Department of State  
Tel: (202) 647 2914

**PDAS Donovan call notes with Ambassador Fujisaki, March 26, 1100  
And Action Items**

GOJ Asks: Ambassador Fujisaki told EAP Acting A/S Joe Donovan that at the most recent meeting with the U.S. Embassy in Tokyo, Senior Advisor Hosono and his team requested hydraulic hoses with couplers and radioactive shielding for vehicles, as well as additional radioactive protective clothing.

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Ambassador Fujisaki said that he thought things were going well with his exchanges with senior U.S. officials. He recently met with Dep Sec Poneman, Administrator Jackson, and Secretary Chu among others.

KMAX: Donovan requested that in meetings in Tokyo that the GOJ provide a clear plan for usage of the KMAX, and reiterated our request that the GOJ address indemnity issues by invoking the IAEA Convention on Nuclear Disasters.

The Ambassador explained that the GOJ was not familiar with the capabilities of KMAX and that it would be operated by Americans on the ground who would advise the best use for the equipment. This might be a redundancy, but the GOJ would still appreciate it. Donovan asked Ambassador Fujisaki to follow up with Special Advisor Hosono in Tokyo about invoking the IAEA convention. Ambassador Fujisaki said that the GOJ has been reluctant to invoke the Convention.

The next call with Ambassador Fujisaki is scheduled for Sunday, March 27, at 12:00 p.m.

**ACTION ITEMS**

**Bottled Water:** Embassy Tokyo: please determine if COSTCO or DART can make a public announcement.

**Lockheed Martin KMAX Helicopter:** Request Embassy Tokyo raise indemnity issue.

SBU

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Thank you.~~

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Thank you.~~



---

**From:** Monninger, John  
**Sent:** Monday, March 28, 2011 2:59 AM  
**To:** INPOERCAssistance  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive shielding for vehicles as well as additional protective clothing

Thanks Jim. However, I messed up the email address for Nielson and Hochevar.

---

**From:** McCarthy, James H. [McCarthyJH@inpo.org] On Behalf Of INPOERCAssistance [INPOERCAssistance@inpo.org]  
**Sent:** Monday, March 28, 2011 2:52 AM  
**To:** Monninger, John; LIA07 Hoc; Liaison Japan; Burris, Rick E (INPO); INPOERCAssistance; Hochevar@inpo.org; NielsonFM@inpo.org; matthew.gooder@exeloncorp.com  
**Cc:** Dorman, Dan; Casto, Chuck  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive shielding for vehicles as well as additional protective clothing

John

Thanks, this clears up the requirements.

This has the right distribution and I will ensure that the information gets passed forward.

Jim McCarthy  
Night Shift INPO ERC assistance  
770 644-8118 ERC  

(b)(6)
--------

 Cell.

---

**From:** Monninger, John [mailto:John.Monninger@nrc.gov]  
**Sent:** Monday, March 28, 2011 2:45 AM  
**To:** LIA07 Hoc; Liaison Japan; Burris, Rick E (INPO); INPOERCAssistance; Hochevar@inpo.org; NielsonFM@inpo.org; matthew.gooder@exeloncorp.com  
**Cc:** Dorman, Dan; Casto, Chuck  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive shielding for vehicles as well as additional protective clothing

Regarding the request from Japan for high pressure hose with couplers, they provided the following information:

Use - residual heat removal to replace fire engine hoses that are currently being used  
Water Pressure Rating - 1 MPa  
Heat Resistance - 150 C  
Tube Diameter - 200 a (8 inches)  
Length - 500 m  
Total Length - 1500 m (need 3 sections of about 500 m each; they understand that the hose typically comes in units of 50 m with couplers at each end)

Contact at TEPCO: Mr. Hijikata +81 3 6373 4905

This request for hoses with couplers for RHR is different from the discussion below of 24 miles of piping from a freshwater lake. The 24 miles of piping was brought up by USFJ, and was to provide fresh water to the site. The request above from Japan is for hosing on-site.

John Monninger

NRC

(b)(6)

---

**From:** LIA07 Hoc  
**Sent:** Sunday, March 27, 2011 7:41 PM  
**To:** Liaison Japan  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive shielding for vehicles as well as additional protective clothing

FYI

---

**From:** Burris, Rick E (INPO) [mailto:BurrisRE@INPO.org] **On Behalf Of** INPOERCAssistance  
**Sent:** Sunday, March 27, 2011 7:21 PM  
**To:** LIA07 Hoc  
**Cc:** McCarthy, James H.; Hochevar, Albert R. (INPO); Nielsen, Rick M (INPO); matthew.gooder@exeloncorp.com  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive shielding for vehicles as well as additional protective clothing

Good Evening Nichole – INPO ERC Assistance did receive this request this afternoon at approximately 1505 and I replied at approximately 1526.

Context of e-mail I received:

“INPO may be of assistance as they have US industry and licensee contacts. Contact info: [inpoercassistance@inpo.org](mailto:inpoercassistance@inpo.org), 770-644-8118.”

LIA01

I responded as well as talked with Patrick O'Brien of Task Force One. What is needed by INPO are the exact specifications of the water hose “Hydraulic hose and couplings” that are needed by GoJ. My understanding is that GoJ desires to run piping (hose) from a freshwater lake approximately 24 miles from Fukushima Dai-ichi station. So if you can see that during the 2130 call tonight with the embassy in Tokyo this topic is discussed and if you require our assistance (which we will gladly provide), please ensure that very specific specifications are provided to us. Pumping water 24 miles will be quite a feat!

I am on days (0800 – 2000) and for the next several nights Jim McCarthy will be in from 2000 – 0800. So probably the best person to relay the information back to us would be our member of the Embassy team, Al Hochevar.

Best regards,

Rick Burris

***Richard E. Burris***  
***Institute of Nuclear Power Operations***  
***Senior Representative***  
***Entergy Nuclear Fleet Senior Representative***

**(770) 644-8634 (Office)**

(b)(6)

**(Mobile)**

---

**From:** LIA07 Hoc [mailto:LIA07.Hoc@nrc.gov]

**Sent:** Sunday, March 27, 2011 6:52 PM

**To:** HOO Hoc; OST01 HOC; OST02 HOC; OST03 HOC

**Cc:** INPOERCAssistance

**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

All,

It is not entirely clear whether this request was forwarded to INPO, per Michael Dudek's message below; to err on the side of caution, INPO is copied on this message, as they are coordinating offers of support regarding requests of this nature.

Thank you,  
Nichole

---

**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

Brian, Lynda:

INPO may be of assistance as they have US industry and licensee contacts. Contact info: [inpoercassistance@inpo.org](mailto:inpoercassistance@inpo.org), 770-644-8118. For the last week or so they have been filtering all technical offers of assistance, prioritizing them, and facilitating as necessary. They should have a list of items (hoses, couplings, protective suits) that are available.

Michael I. Dudek  
US Nuclear Regulatory Commission

---

**From:** Brendel, Brian D [mailto:BrendelBD@state.gov] **On Behalf Of** zTask Force 1 Mailbox

**Sent:** Sunday, March 27, 2011 2:56 PM

**To:** JapanEmbassy, TaskForce; RMTFACTSU\_RM; zTask Force 1 Mailbox; RMT\_PACTSU

**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

Regarding Hydraulic hoses and couplers (couplings?):

Are these hard to find items in the U.S.?

I don't want to steal the thunder from the Australians, but I think these may be something we do not want to let get delayed.

Did the Australians seem very confident they can supply Hydraulic Hoses and quickly and in sufficient quantity?

P.S. Any luck on the radioactive – protection suits?

Brian

---

**From:** JapanEmbassy, TaskForce

**Sent:** Sunday, March 27, 2011 10:42 AM

**To:** 'RMTFACTSU\_RM'; zTask Force 1 Mailbox; RMT\_PACTSU

**Cc:** JapanEmbassy, TaskForce

**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

We received the following information from the NRC team in Tokyo:

1. Hydraulic hoses.....equipment not located as of yet, the Australians are seeking this equipment. We will update the Japanese Cabinet meeting tomorrow night.
2. Shielding.....points of contact for tungsten shielding were provided at the cabinet meeting tonight.
3. Suits.....we don't believe that such suits exist. We are still in pursuit of these.

on behalf of the Japan Emergency Command Center, +81-3-3224- 5533

Lynda Hinds  
Staff Assistant to Ambassador John V. Roos  
U.S. Embassy  
1-10-5 Akasaka, Minato-ku  
Tokyo 107-8420  
Tel. (03) 3224- 5370

[Twitter.com/AmbassadorRoos](https://twitter.com/AmbassadorRoos)



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**From:** RMTFACTSU\_RM [mailto:RMTFACTSU\_RM@ofda.gov]  
**Sent:** Sunday, March 27, 2011 11:39 PM  
**To:** zTask Force 1 Mailbox; RMT\_FACTSU  
**Cc:** JapanEmbassy, TaskForce  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

Brian, we did convey this request to the expanded DART and per a concall last night were told the specific request was being discussed at the Tokyo level. We did not receive a further update this morning and we are asking again where things stand...Justin

---

**From:** Brendel, Brian D [mailto:BrendelBD@state.gov] **On Behalf Of** zTask Force 1 Mailbox  
**Sent:** Sunday, March 27, 2011 9:37 AM  
**To:** RMTFACTSU\_RM; zTask Force 1 Mailbox; RMT\_FACTSU  
**Cc:** JapanEmbassy, TaskForce  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

Dear RMT colleagues,

I am hoping to have an update on the following for today's phone call with Ambassador Fujisaki:

- 1: Hydraulic hoses with couplers (couplings?)

- 2: Radioactive shielding for vehicles
- 3: Protective clothing (suits) against radioactivity.

Was there any word from the expanded DART in Tokyo?

Brian Brendel

Cell [redacted] (b)(6)

TaskForce switchboard: 202-647-6611

P.S. The task force still does have real live people staffing it, especially on our night shift 11:00 PM – 7:00 AM

---

**From:** RMTFACTSU\_RM [mailto:RMTFACTSU\_RM@ofda.gov]  
**Sent:** Saturday, March 26, 2011 2:55 PM  
**To:** zTask Force 1 Mailbox; RMT\_FACTSU  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

Brian, you have the correct address. We have routed this information to the expanded DART in Tokyo and expect to have some feedback from them our Sunday AM...thanks...Justin

---

**From:** Brendel, Brian D [mailto:BrendelBD@state.gov] **On Behalf Of** zTask Force 1 Mailbox  
**Sent:** Saturday, March 26, 2011 2:47 PM  
**To:** RMT\_FACTSU  
**Subject:** FW: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

Dear RMT (I believe this is your correct email, please confirm):

Ambassador Fujisaki told EAP Acting A/S Joe Donovan that at the most recent meeting with the U.S. Embassy in Tokyo, Senior Advisor Hosono and his team requested hydraulic hoses with couplers and radioactive shielding for vehicles, as well as additional radioactive protective clothing.

---

**From:** Green, Christopher L  
**Sent:** Saturday, March 26, 2011 12:40 PM  
**To:** Zumwalt, James P; Campbell, Kurt M  
**Cc:** TaskForce-1 - Japan; JapanEmbassy, TaskForce; Loi, James L; Patel, Nirav S; EAP-J-Office-DL; Tong, Kurt W; Donovan, Joseph R  
**Subject:** 03 26 11 Donovan-Fujisaki meeting notes 1100

A/S Campbell, Jim,

Here are the call notes and action items from today's 11:00 a.m. call with Ambassador Fujisaki.

Regards,  
Christopher

Christopher Green  
Office of Japan Affairs  
U.S. Department of State  
Tel: (202) 647 2914

**PDAS Donovan call notes with Ambassador Fujisaki, March 26, 1100  
And Action Items**

GOJ Asks: Ambassador Fujisaki told EAP Acting A/S Joe Donovan that at the most recent meeting with the U.S. Embassy in Tokyo, Senior Advisor Hosono and his team requested hydraulic hoses with couplers and radioactive shielding for vehicles, as well as additional radioactive protective clothing.

Water: Donovan said that Costco has determined they have the capacity to provide up to 7 million bottles of water per week to Tokyo in 100 containers, each holding 70,000 bottles. Ambassador Fujisaki asked if Costco could make a public announcement on the delivery of bottled water.

Robots: Ambassador Fujisaki said that the robots and associated equipment was now going to be transported via Japan Airlines (JAL) and not FedEx. It is scheduled to depart Monday and will arrive Tuesday Japan time.

Barges and Hypothetical Bounding Models: Donovan said two U.S. Navy Barges holding fresh water left the port of Yokosuka on March 25 and 26, respectively, to add capacity to Freshwater + boric Acid spraying onto the reactors. He also said that the instruction cable on the plume models should be sent to Embassy Tokyo today. Ambassador Fujisaki asked how many tons of water. Donovan said we would follow up. (We have subsequently informed the Japanese Embassy that each barge holds 350,000 gallons of fresh water.)

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The next call with Ambassador Fujisaki is scheduled for Sunday, March 27, at 12:00 p.m.

**ACTION ITEMS**

**Bottled Water:** Embassy Tokyo: please determine if COSTCO or DART can make a public announcement.

**Lockheed Martin KMAX Helicopter:** Request Embassy Tokyo raise indemnity issue.

SBU

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Thank you.~~

---

**From:** Monninger, John  
**Sent:** Monday, March 28, 2011 1:12 AM  
**To:** Cherry, Ronald C  
**Subject:** RE: TEPCO-NRC Call last night

Ron,

Unfortunately, I was not involved in the call.

John Monninger

---

**From:** Cherry, Ronald C [CherryRC@state.gov]  
**Sent:** Saturday, March 26, 2011 8:34 PM  
**To:** Dorman, Dan; Monninger, John  
**Cc:** Duncan, Aleshia D  
**Subject:** TEPCO-NRC Call last night

Dan, John –

I received a query from DOE HQ asking for an update from an 0300 call that involved TEPCO and NRC. Apparently the subject had to do with flooding the containments at Fukushima Daiichi.

Could either of you give me an update on this? Or I'd be happy to put you in touch with the person in DOE who's asking.

Thanks.

Ron

Ronald C. Cherry  
Energy Attaché  
Director, DOE Japan Office  
U.S. Embassy Tokyo  
Tel. (0)3-3224-5444  
Fax (0)3-3224-5769  
Cell (b)(6)  
email [CherryRC@state.gov](mailto:CherryRC@state.gov)

SBU  
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**From:** Monninger, John  
**Sent:** Monday, March 28, 2011 1:04 AM  
**To:** Batkin, Joshua  
**Subject:** RE: Me

will do.

---

**From:** Batkin, Joshua  
**Sent:** Sunday, March 27, 2011 10:39 PM  
**To:** Monninger, John; Coggins, Angela  
**Subject:** Me

Please tell him at some point that:

(b)(5)

(b)(6)

(b)(6) and good luck.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Monninger, John  
**Sent:** Monday, March 28, 2011 12:55 AM  
**To:** Miller, Marie; Jackson, Todd  
**Subject:** FW: Concerns With Radiological Precautions for Japanese Workers at Reactor Site

Please see below.

---

**From:** Mueller, Troy J (TDY/DAO) [TDYMuellerTJ@state.gov]  
**Sent:** Sunday, March 27, 2011 10:47 PM  
**To:** Casto, Chuck; Monninger, John  
**Cc:** Kelso, Robert D  
**Subject:** FW: Concerns With Radiological Precautions for Japanese Workers at Reactor Site

Chuck/John - For info. This could use some focus by NRC in your discussions with the Japanese as well.

Thanks, Troy

SBU  
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**From:** Mueller, Troy J (TDY/DAO)  
**Sent:** Monday, March 28, 2011 11:41 AM  
**To:** (b)(6)  
**Cc:** Burrows, Charles W SES CIV NAVSEA 08 NR; Naples, Elmer M SES SEA 08 NR; Conran, Thomas C SES CIV NAVSEA 08 NR; Trautman, Stephen J SES CIV NAVSEA 08 NR; 'pmt12@nrc.gov'; 'DartDOELiaison1@OFDA.gov'; 'ccoleman@mail.nih.gov'; Cooper, Justin D; Cherry, Ronald C; Zumwalt, James P; Johnstone, Gregg M  
**Subject:** Concerns With Radiological Precautions for Japanese Workers at Reactor Site

Admiral Rowden,

Here are my thoughts and concerns regarding radiological controls from my eyewitness account at J-Village that you requested:

(b)(5)

(b)(5)

Just my thoughts on the matter. I am ready to discuss with any of the Japanese radiation health/radiation protection experts if they need to discuss further. Hope this helps.

Troy J. Mueller  
Director, Nuclear Technology Division  
Naval Reactors (NR)

SBU  
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**From:** Horowitz, Paul D <HorowitzPD@state.gov>  
**Sent:** Sunday, March 27, 2011 11:34 PM  
**To:** Japan-Embassy-Task-Force-DL; JapanEmbassy, TaskForce; Rochman, Daniel A; Wall, Marc M; Luke, Robert S; Sabin, Burritt H; Young, Joseph M; JECC-DL; TaskForce-1 - Japan; zTask Force 1 Mailbox; Tokyo-Consular-Officers-DL; embassynuclearenergyteam@state.gov; CA-Taskforce; Hoffmann, Phillip P; Wiggin, Geoffrey W; Nawn, Jeff; John Peters; Greg Loose; Helen Peterson; TokyoMGMTTaskforce; Besmer, Audu M; Robert.Kaproth@do.treas.gov; Basalla, Suzanne I; Fuller, Matthew G; Ries, John N; Dong, Edward K; Greene, Raymond F; Cubas, Jason R; Stewart, Jonas D; Chipman, Alan R; Zumwalt, James P; Alexander, Kathleen J; Angelov, Bonnie A; Ahrens, Rebekah (TDY/CON); Bowman, Tom; Chang, Benjamin; Coleman, Dr. Norm ; Gabor, Robert R; Guerin, Peter T; Hancock, Michelle A (TDY/DAO); Harrell, Benjamin L; Howard, E. Bruce; Hughart, Joe; Johnstone, Gregg M; Kelso, Robert D; Mueller, Troy; Petrie, Ronald C; Remick, Alan; Roos, Susie; Sano, Mikako; Schiller, Bryan S; Simmers, Keith (Maj, USA); Telfer, Jana (CDC/ONDIEH/NCEH); Telfer, Jana CDC; Aleshia Duncan; Amy Sink OFDA; Cook, William; Smith, Brooke; Cherry, Ronald C; Casto, Chuck; Damian Peko; Duncan, Aleshia D; Foster, Jack; Trapp, James; James Trapp NRC; Joe Hughart OFDA; Monninger, John; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Nesheiwat, Julia; Devercelly, Richard; Russ Morales; Tamada, Yoshimi; Kolb, Timothy; Nakanishi, Tony; Ulses, Anthony; Uchida, Koichi  
**Subject:** RE: CORRECTION: JECC To Remain Standing Until Further Notice  
**Importance:** High

Correction: The JECC will remain standing until further notice.

Thanks,

Paul

SBU

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**From:** Horowitz, Paul D  
**Sent:** Monday, March 28, 2011 11:44 AM  
**To:** Japan-Embassy-Task-Force-DL; JapanEmbassy, TaskForce; Rochman, Daniel A; Wall, Marc M; Luke, Robert S; Sabin, Burritt H; Young, Joseph M; JECC-DL; TaskForce-1 - Japan; zTask Force 1 Mailbox; Tokyo-Consular-Officers-DL; 'embassynuclearenergyteam@state.gov'; CA-Taskforce; Hoffmann, Phillip P; Wiggin, Geoffrey W; Nawn, Jeff; 'John Peters'; 'Greg Loose'; 'Helen Peterson'; TokyoMGMTTaskforce; Besmer, Audu M; 'Robert.Kaproth@do.treas.gov'; Basalla, Suzanne I; Fuller, Matthew G; Ries, John N; Dong, Edward K; Greene, Raymond F; Cubas, Jason R; Stewart, Jonas D; Chipman, Alan R; Zumwalt, James P; Alexander, Kathleen J; Angelov, Bonnie A; Ahrens, Rebekah (TDY/CON); Bowman, Tom; Chang, Benjamin; Coleman, Dr. Norm ; Gabor, Robert R; Guerin, Peter T; Hancock, Michelle A (TDY/DAO); Harrell, Benjamin L; Howard, E. Bruce; Hughart, Joe; Johnstone, Gregg M; Kelso, Capt. Con ; Mueller, Troy; Petrie, Ronald C; Remick, Alan; Roos, Susie; Sano, Mikako; Schiller, Bryan S; Simmers, Keith (Maj, USA); Telfer, Jana (CDC/ONDIEH/NCEH); Telfer, Jana CDC; Aleshia Duncan; Amy Sink OFDA; Bill Cook NRC; Brooke Smith NRC; Cherry, Ronald C; Chuck Casto NRC; Damian Peko; Duncan, Aleshia D; Jack Foster NRC; James Trapp; James Trapp NRC; Joe Hughart OFDA; John Monninger NRC; Kirk Foggie NRC; Mears, Jeremy M; Morales, Russell A; Nesheiwat, Julia; Richard Devercelly NRC; Russ Morales; Tamada, Yoshimi; Tim Kolb NRC; Tony Nakanishi NRC; Tony Ulses; Uchida, Koichi

**Subject:** JECC Standing Down, effective 11:00 pm Monday, March 28 (Tokyo time)

**Importance:** High

**Effective 2300 Monday, March 28 Tokyo time (1000 EDT)**, we will be standing down the Mission Japan Emergency Command Center. JTF505 and Foreign Consequences staff will continue to work in the Embassy's Jefferson Room until further notice.

Attached for your reference is various contact information for other task forces and working groups at Embassy Tokyo that continue to remain in operation.

Please feel free to forward this email to other USG personnel you think would be interested in receiving this information.

Best regards,

Paul

*Paul Horowitz  
Senior Team Leader  
Mission Japan Emergency Command Center (JECC)  
American Embassy Tokyo  
1-10-5 Akasaka, Minato-Ku, Tokyo  
JECC Tel: +81 (3) 3224-5531; Fax: +81 (3) 3224-5131  
JapanEmbassyTaskForce@state.gov  
Tel: +81 (3) 3224-5029; Fax: +81 (3) 3224-5229  
Email: HorowitzPD@state.gov*

SBU

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---

**From:** Young, Joseph M <YoungJM@state.gov>  
**Sent:** Sunday, March 27, 2011 10:57 PM  
**To:** Cherry, Ronald C; Aleshia Duncan; Cook, William; Smith, Brooke; Casto, Chuck; Courtney Brown; Damian Peko; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp (BB); Monninger, John; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Nakanishi, Tony; Ulses, Anthony; Tokyo PolMil Unit; JapanEmbassy, TaskForce; (b)(6)  
**Cc:** Wall, Marc M; Zumwalt, James P; Wiltse, Jeffrey S COL USA USFJ J5; Peyton, Paul P GS-14 USFJ J5; USFJ-CAT-J5; Cook, William; Oikawa, Yufuko; Toledo, Ana Y; Roos, John; Basalla, Suzanne I; Angelov, Bonnie A; Hinds, Lynda J; Fuller, Matthew G  
**Subject:** Admiral Walsh/General Field to attend 8:00 PM at Kantei Crisis Center

Just wanted to make sure everyone was aware that Admiral Walsh and General Field plan to attend the 8:00 PM meeting this evening at the Kantei Crisis Center.

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

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

**From:** Cherry, Ronald C  
**Sent:** Thursday, March 24, 2011 11:58 AM  
**To:** Young, Joseph M; 'Aleshia Duncan'; 'Bill Cook'; 'Brooke Smith'; 'Chuck Casto'; 'Courtney Brown'; 'Damian Peko'; Duncan, Aleshia D; Howard, E. Bruce; 'Jack Foster'; 'James Trapp'; 'James Trapp (BB)'; 'John Monninger'; 'Kirk Foggie'; Mears, Jeremy M; Morales, Russell A; 'Rick Devercelly'; 'Tony Nakanishi'; 'Tony Ulses'; Tokyo PolMil Unit; JapanEmbassy, TaskForce; (b)(6)  
**Cc:** Wall, Marc M; Zumwalt, James P; 'Wiltse, Jeffrey S COL USA USFJ J5'; 'Peyton, Paul P GS-14 USFJ J5'; 'USFJ-CAT-J5'; 'Cook, William'; Oikawa, Yufuko; Toledo, Ana Y  
**Subject:** RE: GOJ request for informal MOD-hosted meeting on Fukushima

I'll go for DOE.

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

**From:** Young, Joseph M  
**Sent:** Thursday, March 24, 2011 11:56 AM  
**To:** Cherry, Ronald C; 'Aleshia Duncan'; 'Bill Cook'; 'Brooke Smith'; 'Chuck Casto'; 'Courtney Brown'; 'Damian Peko'; Duncan, Aleshia D; Howard, E. Bruce; 'Jack Foster'; 'James Trapp'; 'James Trapp (BB)'; 'John Monninger'; 'Kirk Foggie'; Mears, Jeremy M; Morales, Russell A; 'Rick Devercelly'; 'Tony Nakanishi'; 'Tony Ulses'; Tokyo PolMil Unit; JapanEmbassy, TaskForce; (b)(6)  
**Cc:** Wall, Marc M; Zumwalt, James P; 'Wiltse, Jeffrey S COL USA USFJ J5'; Peyton, Paul P GS-14 USFJ J5; USFJ-CAT-J5; 'Cook, William'; Oikawa, Yufuko; Toledo, Ana Y  
**Subject:** RE: GOJ request for informal MOD-hosted meeting on Fukushima

I just received word that MOD DG Takamizawa would like to host a smaller, more focused meeting at 2:00 at MOD to discuss operational information in a way that could support the Crisis Center meeting at 8:00 PM. The NRC is aware of this request and has been informed that TEPCO will also participate. MOD was hoping that our delegation could look like a miniaturized version of the delegation that has been going to the Crisis Center meetings. Please let me know who will be attending so that we can let MOD take care of access.

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

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

From: Cherry, Ronald C

Sent: Thursday, March 24, 2011 11:00 AM

To: 'Aleshia Duncan'; 'Bill Cook'; 'Brooke Smith'; 'Chuck Casto'; 'Courtney Brown'; 'Damian Peko'; Duncan, Aleshia D; Howard, E. Bruce; 'Jack Foster'; 'James Trapp'; 'James Trapp (BB)'; 'John Monninger'; 'Kirk Foggie'; Mears, Jeremy M; Morales, Russell A; 'Rick Devercelly'; 'Tony Nakanishi'; 'Tony Ulses'; Tokyo PolMil Unit; JapanEmbassy, TaskForce;

(b)(6)

Cc: Wall, Marc M; Zumwalt, James P

Subject: GOJ request for informal meeting on robotics

All: METI has asked to have an informal meeting with us at 4 pm today to give feedback on the DOE paper and discuss potential assistance.

Please let me know who can attend this meeting. Suggest at a minimum DOE, ECON, NRC, USFJ, DAO or MDAO.

GOJ participants will be

- Hiroyuki Hatada, Deputy Director, Aerospace and Defense Industry Division, METI
- Takayamai, Deputy Director General, Trade and Economic Cooperation Bureau, METI
- Noriaki Ozawa, Director, Office of Global Environment Technology, METI

Please advise soonest.

Thanks!

Ron

This email is UNCLASSIFIED

---

**From:** Horowitz, Paul D <HorowitzPD@state.gov>  
**Sent:** Sunday, March 27, 2011 10:44 PM  
**To:** Japan-Embassy-Task-Force-DL; JapanEmbassy, TaskForce; Rochman, Daniel A; Wall, Marc M; Luke, Robert S; Sabin, Burritt H; Young, Joseph M; JECC-DL; TaskForce-1 - Japan; zTask Force 1 Mailbox; Tokyo-Consular-Officers-DL; embassynuclearenergyteam@state.gov; CA-Taskforce; Hoffmann, Phillip P; Wiggin, Geoffrey W; Nawn, Jeff; John Peters; Greg Loose; Helen Peterson; TokyoMGMTaskforce; Besmer, Audu M; Robert.Kaproth@do.treas.gov; Basalla, Suzanne I; Fuller, Matthew G; Ries, John N; Dong, Edward K; Greene, Raymond F; Cubas, Jason R; Stewart, Jonas D; Chipman, Alan R; Zumwalt, James P; Alexander, Kathleen J; Angelov, Bonnie A; Ahrens, Rebekah (TDY/CON); Bowman, Tom; Chang, Benjamin; Coleman, Dr. Norm ; Gabor, Robert R; Guerin, Peter T; Hancock, Michelle A (TDY/DAO); Harrell, Benjamin L; Howard, E. Bruce; Hughart, Joe; Johnstone, Gregg M; Kelso, Capt. Con ; Mueller, Troy; Petrie, Ronald C; Remick, Alan; Roos, Susie; Sano, Mikako; Schiller, Bryan S; Simmers, Keith (Maj, USA); Telfer, Jana (CDC/ONDIEH/NCEH); Telfer, Jana CDC; Aleshia Duncan; Amy Sink OFDA; Cook, William; Smith, Brooke; Cherry, Ronald C; Casto, Chuck; Damian Peko; Duncan, Aleshia D; Foster, Jack; Trapp, James; James Trapp NRC; Joe Hughart OFDA; Monninger, John; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Nesheiwat, Julia; Devercelly, Richard; Russ Morales; Tamada, Yoshimi; Kolb, Timothy; Nakanishi, Tony; Ulises, Anthony; Uchida, Koichi  
**Subject:** JECC Standing Down, effective 11:00 pm Monday, March 28 (Tokyo time)  
**Attachments:** Health Meeting Contact list phone and email.xlsx; USFJ HADR Contact list 19MAR11.xls; GOJ contacts.docx; Embassy Japan Nuclear Team 032411.docx; MASTER PHONE LIST.docx; OFDA USAID DART POCs.docx  
**Importance:** High

**Effective 2300 Monday, March 28 Tokyo time (1000 EDT)**, we will be standing down the Mission Japan Emergency Command Center. JTF505 and Foreign Consequences staff will continue to work in the Embassy's Jefferson Room until further notice.

Attached for your reference is various contact information for other task forces and working groups at Embassy Tokyo that continue to remain in operation.

Please feel free to forward this email to other USG personnel you think would be interested in receiving this information.

Best regards,

Paul

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SBU  
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Bryan Moyers	Liaison Dir., Submarine Group Seven			



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<b>State Department Task Force</b> Tel. for State crisis management: 202-647-6611 Email: <a href="mailto:TaskForce-1@state.gov">TaskForce-1@state.gov</a>				

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	Mr. Kawai, Assistant Chief Cabinet Secretary	03-3581-2328
	Mr. Uematsu, Director of Cabinet Intelligence	03-5253-2250
	Mr. Saito, Councillor, Cabinet Secretariat	03-6203-0456
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**MGMT**

Forbes, James A	- Office: +81-3-3224-5585; Cell:	(b)(6)	
OMS Janice Thommen	x 5588		
Bare, Robert A	- Office: +81-3-3224-5770; Cell:	(b)(6)	POC for Mgmt)
Hardin, Alexander K	- Office: +81-3-3224-5616; Cell:	(b)(6)	
Lampel, Michael	- Office: +81-3-3224- ; Cell:	(b)(6)	(POC for Mgmt)

**(TO MUTE YOUR PHONE: HIT THE "Handsfree Mute" button TWICE)**

**MASTER PHONE LIST**

**Front Office**

Ambassador Roos	- Office: +81-3-3224-5555; Cell:	(b)(6)	(b)(6)
DCM Jim Zumwalt	- Office: +81-3-3224-5550; Cell:		
Senior Advisor Suzanne Basalla	- Office: +81-3-3224-5023; Cell:		
Special Assistant Matt Fuller	- Office: +81-3-3224-5554; Cell:		
Staff Assistant Lynda Hinds	- Office: +81-3-3224-5370; Cell:		
OMS Bonnie Angelov	- Office: +81-3-3224-5552; Cell:		
Interpreter Yumiko Miyazaki	- Office: +81-3-3224-5372; Cell:		

**RSO**

Chipman, Alan R	- Office: +81-3-3224-5760; Cell:	(b)(6)
OMS Cindi Hoof	x5583	
Engstrom, Aaron	- Office: +81-3-3224-5920; Cell:	
McCormack, Matthew	- Office: +81-3-3224-5826; Cell:	
Gregg Johnstone	- Office: +81-3-3224-5599; Cell:	

**Public Affairs**

Hoffmann, Phil	- Office: +81-3-3224-5200; Cell:	(b)(6)
OMs	- Aina Yamatsu x 5201; Carolina Whitney-Riquelme x 5202	
Kelley, Karen D (IO/Tokyo)	- Office: +81-3-3224-5271; Cell:	(b)(6)
Quade, Christopher P	- Office: +81-3-3224-5300; Cell:	
Shoemaker, Lori A	- Office: +81-3-3224-5280; Cell:	

**DOD**

Cooper, Justin D (DATT)	- Office: +81-3-3224-5375; Cell:	(b)(6)
OMS Nobuko Ikeda	x 5389	
Loy, James R (ARMA)	- Office: +81-3-3224-5381; Cell:	
Walker, Jon W (AIRA)	- Office: +81-3-3224-5382; Cell:	
Peterson, Robert S (MARA)	- Office: +81-3-3224-5305; Cell:	
Freeman, Brent S (NAVA)	- Office: +81-3-3224-5383; Cell:	
Klingmeyer, James F (AAIRA)	- Office: +81-3-3224-5424; Cell:	
Clark, Frank S (AARMA)	- Office: +81-3-3224-5379; Cell:	
Atienza, Robert T (OPSCO)	- Office: +81-3-3224-5391; Cell:	

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Petrie, Ronald C	- Office: +81-3-3224-5634; Cell:	(b)(6)	
Summers, Frederick	- Office: +81-3-3224-5634; Cell:		
Molberg, Peter (RMO)	- Health Unit x5634; Cell:	(b)(6)	
OMS Naoko Irie	x 5634		
RMO on-call (3f, HU)	Dr. Richard Nicholas Cell	(b)(6)	<a href="mailto:nicholasra4@state.gov">nicholasra4@state.gov</a>

**USAID**

Beed, John A	- Office: +81-3-3224-5015; Cell:	(b)(6)
--------------	----------------------------------	--------

**Information Technology**

Copeland, Mark S	- Office: +81-3-3224-5745; Cell:	(b)(6)
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Wagganer, Kevin L	- Office: +81-3-3224-5696; Cell:	
Bullington, Wendell D	- Office: +81-3-3224-5654; Cell:	

**Embassy Liaison Officers to 519/USFJ/BJOCC**

CDR Andrew H. Collier, USN (1900-0700I)  
Lt Col Dylan Monaghan, USAF (0700-1900I)  
DSN 225-3397; +81-311-755-3397; Comm in Japan: 042-552-2510 x5-3397; Email: (b)(6)

**(TO MUTE YOUR PHONE: HIT THE "Handsfree Mute" button TWICE)**  
**MASTER PHONE LIST**

**(TO MUTE YOUR PHONE: HIT THE "Handsfree Mute" button TWICE)**  
**MASTER PHONE LIST**

**CONSULATES**

**Sapporo**

CG Ries, John - Office: +81-11-641-1802; Cell: (b)(6)  
Lyons, Thomas H - Office: +81-11-641-1829; Cell: (b)(6)

**Naha**

CG Greene, Raymond F - Office: +81-98-876-6630; Cell: (b)(6)  
Kaneshiro, Claire - Office: +81-98-876-6628; Cell: (b)(6)  
Rathweg-Weitz, Abbey H. - Office: +81-98-876-6418; Cell: (b)(6)  
Whitten, Richard V. - Office: +81-98-876-6471; Cell: (b)(6)

**Fukuoka**

Cubas, Jason R - Office: +81-92-751-8545; Cell: (b)(6)  
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**Nagoya**

Stewart, Jonas - Office: +81-52-581-4502; Cell: (b)(6)  
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**Osaka**

CG Dong, Ed - Office: +81-6-6315-5902; Cell: (b)(6)  
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Brown, Benjamin A - Office: +81-6-6315-5911; Cell: (b)(6)  
Kennedy, Sylbeth A. - Office: +81-6-6315-5931; Cell: (b)(6)  
Snider, Marc A. - Office: +81-6-6315-5912; Cell: (b)(6)  
Valdes, Andres - Office: +81-6-6315-5931; Cell: (b)(6)  
Wuebbels, Mark C. J. - Office: +81-6-6315-5936; Cell: (b)(6)

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Naha +81-98-876-7448  
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Osaka-Kobe CG Office +81-6-6315-5902  
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SVTC Room	+81-3-3224-5903	S/RSO	+81-3-3224-5958
Ambassador's Office	+81-3-3224-5969	USDAO	+81-3-3224-5384
DCM's Office	+81-3-3224-5968	USDAO	+81-3-3224-5963
DCM's Residence	+81-3-3224-5577	USDAO	+81-3-3224-5009
DEA Office	+81-3-3224-4112	USDAO	+81-3-3224-5926
DEA Office FAX	+81-3-5570-9850	USDAO	+81-3-3224-5923
ECON Office FAX	+81-3-3224-5638	USDAO	+81-3-3224-5973
Legal Attache Office	+81-3-3224-5961	USDAO	+81-3-3224-5979
Legal Attache Office FAX	+81-3-3224-5018	USDAO	+81-3-3224-5922
MDAO	+81-3-3224-5964	USDAO	+81-3-3224-5984
POL Office FAX	+81-3-3224-5681	USDAO	+81-3-3224-5227

## OFDA/DART Team Information

### Current Location of USAID/DART Staff

- Nine USAID/DART staff are in Tokyo right now. They are meeting with Government of Japan agencies, other USG officials, non-governmental organizations, and the U.N.
- One USAID military liaison is at the Yokota Air Force base. He is coordinating with DOD.
- Five logistics staff are at the Misawa Air Force base to support U.S. urban search and rescue teams.
- Two U.S. USAR teams are in Ofunato City, Iwate Prefecture, conducting search and rescue operations.

### USAID Office of Foreign Disaster Assistance (OFDA) Office at Embassy Tokyo

OFDA Team Leader Bill Berger

+81-3-3224-5016

Cell Phone:

Email: [wberger@ofda.gov](mailto:wberger@ofda.gov)

OFDA Information Officer Erin Magee

+81-3-3224-5016

Cell Phone:

Email: [emagee@ofda.gov](mailto:emagee@ofda.gov); [emagee@usaid.gov](mailto:emagee@usaid.gov)

OFDA Amy Sink

+81-3-3224-5016

Email: [asink@ofda.gov](mailto:asink@ofda.gov)

### DOE Reactor Safety Team (part of DART)

James Trapp, NRC

+81-3-3224-5046

Email:

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Tony Ulses, NRC

301-452-7404

Email: [Anthony.Ulses@nrc.gov](mailto:Anthony.Ulses@nrc.gov)

Alan Remick, DOE

571-435-6899

Email: [DARTDOELiaison1@ofda.gov](mailto:DARTDOELiaison1@ofda.gov)

Joe Hughart, HHS  
404-772-7337

**DOE Energy Attaché** (DOE Reactor Team is currently located in these offices)

Ronald C. Cherry  
Energy Attaché  
Director, DOE Japan Office  
U.S. Embassy Tokyo  
Tel. +81-3-3224-5444  
Fax +81-3-3224-5769  
Cell (b)(6)  
Email: [CherryRC@state.gov](mailto:CherryRC@state.gov)

Aleshia Duncan  
Energy Attaché  
DOE Japan Office  
U.S. Embassy Tokyo  
Tel. +81-3-3224-5475  
Fax +81-3-3224-5769  
Cell + (b)(6)  
Email: [DuncanAD@state.gov](mailto:DuncanAD@state.gov)

**USFJ HADR BCAT Roster**

BILLET	CONTACT NUMBERS	Members	ORG BOX EMAIL/NIPR
CAT Chief	DSN 225-2469/2708	COL Hecker(Nights)	(b)(6)
CAT XO/J3 REP	DSN 225-2469/2708		
CAT Briefer	DSN 225-3126	Days - LT Stark; Nights - LT Stiegemeier	
J1 Rep	DSN 225-4169		
J2 Rep	DSN 225-4377 (225-9799 Duty)		
J3 Rep	DSN 225-5230		
J4 REP	DSN 225-4105/225-4110	LTC Pope, Maj Matusak(Day)/	
J5 REP	DSN 225-4329	Multiple Personnel	
J6 Rep	DSN 225-4223		
USAID Rep	DSN 225-4329/2903		
USEMB Rep (MDAO)	DSN 225-4250		OFDAPACOM@ofda.gov
AIR WATCH OFFICER	DSN 225-4250	CDR Collier	(b)(6)
GROUND WATCH OFFICER	DSN 225-4537		
RFI/IM/KM MANAGER	DSN 225-3397		
HELPDESK SUPPORT J-6	DSN 225-2494	OS1 Boulware(Day)CPT Nickel	
INTEL DUTY OFFICER	DSN 225-4510		
PA	DSN 225-9799		
J06 LEGAL	DSN 225-4148/5333		
TRANSLATORS	DSN 225-4509/9987/5723		
WEAX	DSN 225-2419		
WATCH NCO	DSN 225-4377		
ATFP	484-244-7600		(b)(6)
CIP	CELL (b)(6)		
EMERG MGT	DSN 225-3397	LT Galligher(Day) / MAJ McGurl(Night)	(b)(6)
CNFJ	DSN 225-4379/3327	Days - CAPT Coleman; Nights - CDR	Days - (b)(6); Nights -
III MEF BJOC	DSN 225-4421/5333/2610	Collison	(b)(6)
USFJ MARITIME WATCH OFFICER	DSN 225-4426/4271		(b)(6)
CTF-76 Battle Watch	DSN 225-4426	LCDR Brinkley (Days)	
	DSN 225-4426	CWO3 Kirkland (Days)	
	DSN 225-4426	LT White (Nights)	
	DSN 225-4426	LT Elles (Nights)	
CTF-76 LNO	DSN 225-4426	RDML Landolt	

	DSN 225-4426	CAPT O'Connor
	DSN 225-4426	CDR Holt (N5)
	DSN 225-4426	CDR Hight (N2)
	DSN 225-4426	CDR Buss (N6)
USAR-J LNO	DSN 225-2721	LTC Regginial Barden
	DSN 225-2721	MAJ Dan Reichard
	DSN 225-2721	MAJ Moses Lee
	DSN 225-2721	MAJ Roger Castro
JJS LNO	DSN 225-2555/2470/2471	CAPT Tanaka
	DSN 225-2555/2470/2471	Mr Machii
J026(FINANCE)	DSN 225-3137	
CUOPS(ORDERS/FRAGOS/TASKS)	DSN 225-2310	
DTRA	DSN 225-2303	
CAT MEDICAL		
PUBLIC AFFAIRS	DSN 225-4148/4054	
JFACC IIIIMEF LNO	DSN 225-4994	

(b)(6)

(b)(6)



**USFJ HADR BCAT Roster**

<b>BILLET</b>	<b>CONTACT NUMBERS</b>	
	(c) <span style="border: 1px solid black; padding: 2px;">(b)(6)</span>	Col Stackpole
13AF Det 1 Taskers	DSN 225-4537	
USAFJ A7	DSN 225-5817	
<b>374 AW</b>		
	225-4035/4367/4484/	
Non-Combatant Departure	8268/7638/4570/4362	
Yokota CP	225-3740	
Yokota ICC	225-9300	
Yokota Airfield Mgt	225-7006	
Inbound Acft and Ramp Space	225-9526	
<b>Ichigaya</b>		
USFJ LNO	224-7731/7717; 225-3113	Maj Martin Okada
<b>35 WG</b>		
Misawa Base Ops	226-3110	
Misawa CP	226-9899	
Misawa AOS	226-4058	
Misawa EOC	226-7179	
<b>18 WG</b>		
Kadena CP	634-1800	
<b>Atsugi NAS</b>		
Inbound III MEF acft parking	315-243-7651/7650	Master Chief Bowman
NALO Watch Floor	315-264-3535	
CAG 5	264-3417	
HS 14	264-3262	
HSL 51	264-3318	
<b>Iwakuni MCAS</b>		
Iwakuni CP	253-4621	
Base Ops	253-3553	
<b>Camp Zama</b>		
Zama CP	263-3123/2137/3149	
<b>AOC</b>		
AMD 24 Hr Hotline	448-8880	
CPD	448-1359	Mr. William Wright
<b>UK Embassy</b>		
HA/DR Handling	090-9147-4343	Capt Edney
<b>US Embassy</b>		
	224-5541	
Air Attache	224-5382	
Ops Desk	224-5391	
Asst Air Attache	224-5379	Lt Col Clark

American Citizen Departure Task Force (charter flights) 224-5843/5360/5787/5736 /5331/5133/5758 703-695-2067 John Bradford

**JTF 505**

Air Officer 225-8365  
J4 225-6428  
Medical 225-8418  
PAO/SJA 225-2661  
J1 225-2643  
Planners 225-2743  
J2 225-7715  
Ops Chief 225-8365  
OSD

John Bradford, Japan Policy COM: 703-695-2067

**JTF 519**

CAPT John Hays 474-1527

**CNFJ**

SDO

**Sendai Stars and Stripes**

Ms. Charlie Reed 080-5883-1672  
Mr. Nathan Bailey 080-5181-4957  
Ms. Elena Sugiyama 080-6748-9903  
Mr. Tim Flack 090-8054-8236  
Mr. Travis Tritton 080-6748-9904

**USFK**

CDR Joel Harvey 723-3029/8282

**ROK**

Seoul Watch Officer

**USCG**

LT Roberto Rivera 090-1841-1673  
LT Adam Olson 080-5501-8958  
Jessica Navarro 090-6162-0888

**JJS**

J3 03-3581-0101 x2818/2817 cell (b)(6)

LCOL Hongo (liaison to Yokota from Ichigaya)

**III MEF**

BW Days 622-7706/7571 MAJ Zeigler  
BW Afternoon 622-7706/7571 MAJ Gist  
BW Night 622-7706/7571 MAJ Barker

**PACFLT**

CPF BWC 474-5251 (sec), 474-5243

**USARJ**

**PACOM**

JOC 315-477-7377  
LNO

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(b)(6)

(b)(6)

(b)(6)

(b)(6)

(b)(6)

(b)(6)

(b)(6)

(b)(6)

---

**From:** JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>  
**Sent:** Sunday, March 27, 2011 10:27 PM  
**To:** Webster, Jessica M (TDY/ECN); JapanEmbassy, TaskForce  
**Cc:** Monninger, John; Cherry, Ronald C [redacted (b)(6)]; Duncan, Aleshia D; Dorman, Dan; Zumwalt, James P; Young, Joseph M; Wall, Marc M  
**Subject:** RE: Final notes from March 27 cabinet meeting

Thank you, Jessica. I'll put this in the sitrep.

-Thomas

This email is UNCLASSIFIED.

---

**From:** Webster, Jessica M (TDY/ECN)  
**Sent:** Monday, March 28, 2011 11:12 AM  
**To:** JapanEmbassy, TaskForce  
**Cc:** Monninger, John; Cherry, Ronald C; [redacted (b)(6)]; Duncan, Aleshia D; 'Dorman, Dan'; Zumwalt, James P; Young, Joseph M; Wall, Marc M  
**Subject:** Final notes from March 27 cabinet meeting

colleagues,

Attached and cleared (and, I hope, clear) notes from the March 27 8 pm meeting.

Jessica

~~SBU~~

This email is UNCLASSIFIED.

---

**From:** Dorman, Dan [mailto:Dan.Dorman@nrc.gov]  
**Sent:** Monday, March 28, 2011 10:05 AM  
**To:** JapanEmbassy, TaskForce; Webster, Jessica M (TDY/ECN); Duncan, Aleshia D  
**Cc:** Monninger, John  
**Subject:** Re: For your review and clearance: notes from March 27 cabinet meeting

[redacted box]  
(b)(5)

Dan Dorman  
NRC

---

**From:** JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>  
**To:** Webster, Jessica M (TDY/ECN) <TDYWebsterJM@state.gov>; Dorman, Dan; Duncan, Aleshia D <DuncanAD@state.gov>  
**Cc:** Monninger, John; JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>  
**Sent:** Sun Mar 27 20:56:17 2011  
**Subject:** RE: For your review and clearance: notes from March 27 cabinet meeting

Jessica,

Thanks so much for sending this last night. Sorry to bug you, but wanted to clarify a couple of points (in red below).

-Thomas

SBU  
This email is UNCLASSIFIED.

---

**From:** Webster, Jessica M (TDY/ECN)  
**Sent:** Sunday, March 27, 2011 10:50 PM  
**To:** 'dan.dorman@nrc.gov'; Duncan, Aleshia D  
**Cc:** 'john.monninger@nrc.gov'; JapanEmbassy, TaskForce  
**Subject:** For your review and clearance: notes from March 27 cabinet meeting

Dan/John, Aleshia: Please let me know if you have corrections or additions. I will send forward tomorrow.

Cabinet Office Crisis Management Team Meeting Notes (Draft)  
March 27, 2011

(Requests by Japan are underlined)

(b)(5)

(b)(5)

(b)(5)

SBU  
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---

**From:** Zumwalt, James P <ZumwaltJP@state.gov>  
**Sent:** Sunday, March 27, 2011 10:15 PM  
**To:** Webster, Jessica M (TDY/ECN); JapanEmbassy, TaskForce  
**Cc:** Monninger, John; Cherry, Ronald C; [REDACTED] (b)(6) Duncan, Aleshia D;  
Dorman, Dan; Young, Joseph M; Wall, Marc M  
**Subject:** RE: Final notes from March 27 cabinet meeting

Taskforce. I clear. Please distribute with the caveat that this is not for internet posting. Treat as SBU

James P. Zumwalt  
Deputy Chief of Mission  
U.S. Embassy, Tokyo  
1-10-5 Akasaka  
Minato ku Tokyo 107-8420  
(03) 3224-5550  
<http://tokyo.usembassy.gov/zblog/e/zblog-email.html>

---

**From:** Webster, Jessica M (TDY/ECN)  
**Sent:** Monday, March 28, 2011 11:12 AM  
**To:** JapanEmbassy, TaskForce  
**Cc:** Monninger, John; Cherry, Ronald C; [REDACTED] (b)(6); Duncan, Aleshia D; 'Dorman, Dan'; Zumwalt, James P; Young, Joseph M; Wall, Marc M  
**Subject:** Final notes from March 27 cabinet meeting

colleagues,

Attached and cleared (and, I hope, clear) notes from the March 27 8 pm meeting.

Jessica

~~SBU~~  
This email is UNCLASSIFIED.

---

**From:** Dorman, Dan [mailto:Dan.Dorman@nrc.gov]  
**Sent:** Monday, March 28, 2011 10:05 AM  
**To:** JapanEmbassy, TaskForce; Webster, Jessica M (TDY/ECN); Duncan, Aleshia D  
**Cc:** Monninger, John  
**Subject:** Re: For your review and clearance: notes from March 27 cabinet meeting

(b)(5)

Dan Dorman  
NRC

---

**From:** JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>  
**To:** Webster, Jessica M (TDY/ECN) <TDYWebsterJM@state.gov>; Dorman, Dan; Duncan, Aleshia D <DuncanAD@state.gov>  
**Cc:** Monninger, John; JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>  
**Sent:** Sun Mar 27 20:56:17 2011  
**Subject:** RE: For your review and clearance: notes from March 27 cabinet meeting

Jessica,

Thanks so much for sending this last night. Sorry to bug you, but wanted to clarify a couple of points (in red below).

-Thomas

SBU  
This email is UNCLASSIFIED.

---

**From:** Webster, Jessica M (TDY/ECN)  
**Sent:** Sunday, March 27, 2011 10:50 PM  
**To:** 'dan.dorman@nrc.gov'; Duncan, Aleshia D  
**Cc:** 'john.monninger@nrc.gov'; JapanEmbassy, TaskForce  
**Subject:** For your review and clearance: notes from March 27 cabinet meeting

Dan/John, Aleshia: Please let me know if you have corrections or additions. I will send forward tomorrow.

Cabinet Office Crisis Management Team Meeting Notes (Draft)  
March 27, 2011

(Requests by Japan are underlined)

(b)(5)

(b)(5)

(b)(5)

SBU  
This email is UNCLASSIFIED.

---

**From:** Dorman, Dan  
**Sent:** Sunday, March 27, 2011 10:03 PM  
**To:** Monninger, John; Casto, Chuck; Smith, Brooke; Batkin, Joshua; Foggie, Kirk  
**Subject:** Re: CHAIRMAN ARRIVED

My top question would be overall strategy to achieve stability with the options being inert and flood vs. Long term closed loop cooling on either installed or replacement systems. My sense is that they are entertaining us on the former while intending to pursue the latter.

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

**From:** Monninger, John  
**To:** Casto, Chuck; Dorman, Dan; Smith, Brooke; Batkin, Joshua; Foggie, Kirk  
**Sent:** Sun Mar 27 21:54:39 2011  
**Subject:** Re: CHAIRMAN ARRIVED

Need to propose the top 3 or 4 issues/topics/areas the Chairman needs to know the answers to for this trip. Based on them, we need to determine what questions need to be asked, to whom, etc. He will want to stay focused on those 3 or 4 areas. We will add stuff to the agenda as needed to get the answers.

John Monninger

(b)(6)

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

**From:** Casto, Chuck  
**To:** Monninger, John; Dorman, Dan; Smith, Brooke; Batkin, Joshua  
**Sent:** Sun Mar 27 21:40:36 2011  
**Subject:** RE: CHAIRMAN ARRIVED

John,

During the meeting with Mr. Hosono, the Ambassador will represent the Embassy. No other staff will be with him. There will be two parts to the meeting. The first just the principals, the second will have other staff. That's from the Embassy perspective, they have no opinion about which NRC staff will be present.....

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

**From:** Monninger, John  
**Sent:** Monday, March 28, 2011 10:23 AM  
**To:** Casto, Chuck; Dorman, Dan; Smith, Brooke; Batkin, Joshua  
**Subject:** CHAIRMAN ARRIVED

Working through the airport now.

John Monninger

(b)(6)

---

**From:** Coggins, Angela  
**Sent:** Sunday, March 27, 2011 10:03 PM  
**To:** Smith, Brooke; Batkin, Joshua; Monninger, John  
**Subject:** Re: CHAIRMAN ARRIVED

(b)(5)

Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov](mailto:angela.coggins@nrc.gov)/301-415-1828

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

**From:** Smith, Brooke  
**To:** Batkin, Joshua; Monninger, John; Coggins, Angela  
**Sent:** Sun Mar 27 22:01:42 2011  
**Subject:** Re: CHAIRMAN ARRIVED

(b)(5)

Sent from an NRC Blackberry.

Brooke G. Smith

(b)(6)

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

**From:** Batkin, Joshua  
**To:** Monninger, John; Casto, Chuck; Dorman, Dan; Smith, Brooke; Coggins, Angela  
**Sent:** Sun Mar 27 22:00:27 2011  
**Subject:** Re: CHAIRMAN ARRIVED

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

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

**From:** Monninger, John  
**To:** Batkin, Joshua; Casto, Chuck; Dorman, Dan; Smith, Brooke; Coggins, Angela  
**Sent:** Sun Mar 27 21:55:42 2011  
**Subject:** Re: CHAIRMAN ARRIVED

(b)(5)

John Monninger

(b)(6)

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

From: Batkin, Joshua  
To: Casto, Chuck; Monninger, John; Dorman, Dan; Smith, Brooke; Coggins, Angela  
Sent: Sun Mar 27 21:53:42 2011  
Subject: Re: CHAIRMAN ARRIVED

+coggins

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

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

From: Casto, Chuck  
To: Monninger, John; Dorman, Dan; Smith, Brooke; Batkin, Joshua  
Sent: Sun Mar 27 21:40:36 2011  
Subject: RE: CHAIRMAN ARRIVED

John,

(b)(5)

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

From: Monninger, John  
Sent: Monday, March 28, 2011 10:23 AM  
To: Casto, Chuck; Dorman, Dan; Smith, Brooke; Batkin, Joshua  
Subject: CHAIRMAN ARRIVED

Working through the airport now.

John Monninger

(b)(6)

---

**From:** Dorman, Dan  
**Sent:** Sunday, March 27, 2011 9:58 PM  
**To:** Monninger, John; Casto, Chuck; Smith, Brooke; Batkin, Joshua  
**Subject:** Re: CHAIRMAN ARRIVED

I won't be there. I am on my way to TEPCO with RADM Rowden to discuss their strategy.

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

**From:** Monninger, John  
**To:** Casto, Chuck; Dorman, Dan; Smith, Brooke; Batkin, Joshua  
**Sent:** Sun Mar 27 21:48:19 2011  
**Subject:** Re: CHAIRMAN ARRIVED

Coming DIRECTLY to Embassy. No hotel stop.

(b)(5)

(b)(5) Ready to roll.

John Monninger

(b)(6)

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

**From:** Casto, Chuck  
**To:** Monninger, John; Dorman, Dan; Smith, Brooke; Batkin, Joshua  
**Sent:** Sun Mar 27 21:40:36 2011  
**Subject:** RE: CHAIRMAN ARRIVED

John,

(b)(5)

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

**From:** Monninger, John  
**Sent:** Monday, March 28, 2011 10:23 AM  
**To:** Casto, Chuck; Dorman, Dan; Smith, Brooke; Batkin, Joshua  
**Subject:** CHAIRMAN ARRIVED

Working through the airport now.

John Monninger

(b)(6)



---

**From:** Monninger, John  
**Sent:** Sunday, March 27, 2011 9:58 PM  
**To:** Smith, Brooke  
**Subject:** Re: CHAIRMAN ARRIVED

(b)(5)

John Monninger

(b)(6)

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

**From:** Smith, Brooke  
**To:** Monninger, John  
**Sent:** Sun Mar 27 21:56:34 2011  
**Subject:** Re: CHAIRMAN ARRIVED

(b)(5)

Sent from an NRC Blackberry.  
Brooke G. Smith

(b)(6)

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

**From:** Monninger, John  
**To:** Batkin, Joshua; Casto, Chuck; Dorman, Dan; Smith, Brooke; Coggins, Angela  
**Sent:** Sun Mar 27 21:55:42 2011  
**Subject:** Re: CHAIRMAN ARRIVED

(b)(5)

John Monninger

(b)(6)

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

**From:** Batkin, Joshua  
**To:** Casto, Chuck; Monninger, John; Dorman, Dan; Smith, Brooke; Coggins, Angela  
**Sent:** Sun Mar 27 21:53:42 2011  
**Subject:** Re: CHAIRMAN ARRIVED

+coggins

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

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

**From:** Casto, Chuck  
**To:** Monninger, John; Dorman, Dan; Smith, Brooke; Batkin, Joshua

Sent: Sun Mar 27 21:40:36 2011  
Subject: RE: CHAIRMAN ARRIVED

John,

(b)(5)

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

From: Monninger, John  
Sent: Monday, March 28, 2011 10:23 AM  
To: Casto, Chuck; Dorman, Dan; Smith, Brooke; Batkin, Joshua  
Subject: CHAIRMAN ARRIVED

Working through the airport now.  
John Monninger

(b)(6)

---

**From:** Monninger, John  
**Sent:** Sunday, March 27, 2011 9:55 PM  
**To:** Casto, Chuck; Dorman, Dan; Smith, Brooke; Batkin, Joshua; Foggie, Kirk  
**Subject:** Re: CHAIRMAN ARRIVED

(b)(5)

John Monninger

(b)(6)

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

**From:** Casto, Chuck  
**To:** Monninger, John; Dorman, Dan; Smith, Brooke; Batkin, Joshua  
**Sent:** Sun Mar 27 21:40:36 2011  
**Subject:** RE: CHAIRMAN ARRIVED

John,

(b)(5)

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

**From:** Monninger, John  
**Sent:** Monday, March 28, 2011 10:23 AM  
**To:** Casto, Chuck; Dorman, Dan; Smith, Brooke; Batkin, Joshua  
**Subject:** CHAIRMAN ARRIVED

Working through the airport now.

John Monninger

(b)(6)

---

**From:** Smith, Brooke  
**Sent:** Sunday, March 27, 2011 9:54 PM  
**To:** Monninger, John  
**Subject:** Re: CHAIRMAN ARRIVED

I have the badge for angela. Let me know when you pull into lobby and I will you with her badge.

Sent from an NRC Blackberry.  
Brooke G. Smith

(b)(6)

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

**From:** Monninger, John  
**To:** Casto, Chuck; Dorman, Dan; Smith, Brooke; Batkin, Joshua  
**Sent:** Sun Mar 27 21:48:19 2011  
**Subject:** Re: CHAIRMAN ARRIVED

Coming DIRECTLY to Embassy. No hotel stop. (b)(5)

(b)(5) Ready to roll.

John Monninger

(b)(6)

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

**From:** Casto, Chuck  
**To:** Monninger, John; Dorman, Dan; Smith, Brooke; Batkin, Joshua  
**Sent:** Sun Mar 27 21:40:36 2011  
**Subject:** RE: CHAIRMAN ARRIVED

John,

(b)(5)

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

**From:** Monninger, John  
**Sent:** Monday, March 28, 2011 10:23 AM  
**To:** Casto, Chuck; Dorman, Dan; Smith, Brooke; Batkin, Joshua  
**Subject:** CHAIRMAN ARRIVED

Working through the airport now.

John Monninger

(b)(6)

---

**From:** Jaczko, Gregory  
**Sent:** Sunday, March 27, 2011 9:17 PM  
**To:** Monninger, John; Coggins, Angela  
**Cc:** Batkin, Joshua  
**Subject:** Re: AIRPORT PICKUP

Found him. On our way

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

**From:** Monninger, John  
**To:** Coggins, Angela; Jaczko, Gregory  
**Cc:** Batkin, Joshua  
**Sent:** Sun Mar 27 19:33:24 2011  
**Subject:** AIRPORT PICKUP

Mr. Chairman

We are at the airport to pick you up. Mark Wal from the Embassy will attempt to come to the arrival ramp. Mark has a gray suit and blue shirt on. No tie. (b)(6).

John Monninger

(b)(6)

---

**From:** Nakanishi, Tony  
**Sent:** Sunday, March 27, 2011 8:04 PM  
**To:** 'bannai-toshihiro@meti.go.jp'; '?? ?'  
**Cc:** 'nei-hisanori'; Dorman, Dan; Monninger, John; Foggie, Kirk; Scott, Michael; Smith, Brooke  
**Subject:** RE: NRC Meetings for March 28, 2011  
**Attachments:** NRC meetings 03-28-11.docx

Bannai-sama, Sato-sama,

Please find the attached document with the schedule for NRC meetings today.

Best Regards,

Tony Nakanishi  
USNRC

NRC meetings scheduled for March 28, 2011

	<u>Location</u>
1100 NISA/TEPCO daily status	TEPCO
1100 NISA – Robotics Taskforce	NISA
1400 NISA – Shielding / Confinement Taskforce	NISA
1400 MOD – Crisis Management	MOD
1430 NISA – Health Effects Taskforce	NISA
1600 NISA – Spent Fuel Removal Taskforce	NISA
2000 Cabinet meeting	Kantei

Note:

1. An additional meeting with NISA may be scheduled today to discuss the procedures for intermediate and recovery phases.
2. Department of Energy is also participating in the Robotics Taskforce meetings.

---

**From:** Taylor, Robert  
**Sent:** Sunday, March 27, 2011 8:04 PM  
**To:** 'CherryRC@state.gov'; Way, Ralph  
**Cc:** 'DuncanAD@state.gov'; Monninger, John; Dorman, Dan  
**Subject:** Re: Fukushima Daiichi Robotics Meeting/Conference Call -- Monday March 28 1100

Ron,

We plan to send Ralph Way. Unfortunately, our interpreter is tied up with us at TEPCO at the same time. Sorry.

Rob

Sent from an NRC BlackBerry  
Robert Taylor

(b)(6)

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

**From:** Cherry, Ronald C <CherryRC@state.gov>  
**To:** Taylor, Robert; Way, Ralph  
**Cc:** Duncan, Aleshia D <DuncanAD@state.gov>; Monninger, John; Dorman, Dan  
**Sent:** Sun Mar 27 19:59:19 2011  
**Subject:** Re: Fukushima Daiichi Robotics Meeting/Conference Call -- Monday March 28 1100

Rob,

Please let me and Aleshia know if NRC would like to send someone to the 11 am meeting at METI.

Also, any idea whether your interpreter could work this meeting? METI asked if our side could provide one and we're scrambling to hire one. With your Chairman coming in and other meetings, I have no idea whether this is possible, but we're trying to keep all options open.

Thanks.

Ron  
This has been sent from my Blackberry

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

**From:** Taylor, Robert <Robert.Taylor@nrc.gov>  
**To:** Way, Ralph <Ralph.Way@nrc.gov>  
**Cc:** Cherry, Ronald C  
**Sent:** Sun Mar 27 19:14:11 2011  
**Subject:** Fw: Fukushima Daiichi Robotics Meeting/Conference Call -- Monday March 28 1100

Ralph,

Info below regarding robotics meeting.



Rob

Sent from an NRC BlackBerry  
Robert Taylor

(b)(6)

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

From: Cherry, Ronald C <CherryRC@state.gov>

To: Duncan, Aleshia <Aleshia.Duncan@nuclear.energy.gov>; (b)(6);  
(b)(6) >; Simmers, Keith MAJ USA (b)(6) >

Cc: Casto, Chuck; Dorman, Dan; Monninger, John; Scott, Michael; Giessner, John; Taylor, Robert; Wall, Marc M <WallMM@state.gov>

Sent: Sun Mar 27 08:14:45 2011

Subject: Fukushima Daiichi Robotics Meeting/Conference Call -- Monday March 28 1100

All:

Please note METI is organizing an 1100 meeting/conference call on Monday March 28, re: robots for Fukushima Daiichi. Agenda is below and attached.

Please advise who will attend.

CC'ing NRC folks though I expect you'll be busy preparing for the VIP visit. Participation is welcome.

Thanks.

Ron

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

From: hatada-hiroyuki@meti.go.jp [mailto:hatada-hiroyuki@meti.go.jp]

Sent: Sunday, March 27, 2011 8:26 PM

To: hatada-hiroyuki@meti.go.jp

Cc: (b)(6); a-kumada0303@docomo.ne.jp; bannai-toshihiro@meti.go.jp; Cherry, Ronald C; Duncan, Aleshia D; fujiki-toshimitsu@meti.go.jp; funaki-kentaro@meti.go.jp; hirosisanomura@docomo.ne.jp; hirosi.sanomura@mofa.go.jp; hirosi\_yoshinada@komatsu.co.jp; horiguchi-shin@meti.go.jp; Howard, E. Bruce; koyama-masaomi@meti.go.jp; kumada@yb3.so-net.ne.jp; mikihay@mod.go.jp; mitsumata-hiroki@meti.go.jp; mitsunori\_ozaki@komatsu.co.jp; mori-daisuke@meti.go.jp; okuda-shuji@meti.go.jp; osamu.maekawa@toshiba.co.jp; ozawa-noriaki@meti.go.jp; rodney.tanaka@usfj.mil; sakuma-yasuhiro@meti.go.jp; satouyosh@mod.go.jp; takashi.hatori@mofa.go.jp; tsuyoshi.hagiwara@toshiba.co.jp; y4023@ce.aisei.co.jp; yagi.n@tepco.co.jp; yano.komei@tepco.co.jp; yasushi.horimizu@jnfl.co.jp; yojiro.hatakeyama@kantei.go.jp; yoshiko.kijima@mofa.go.jp; yoshinada.h.aa@m.titech.ac.jp; watanabe-m2x7@mlit.go.jp; mishima-o2rk@mlit.go.jp; watanabe-k2ar@mlit.go.jp; nikaidou-y2kg@mlit.go.jp; mikihay@mod.go.jp; mori-daisuke@meti.go.jp

Subject: [Fukushima NPP:Remote Coltrol PT](vol.6) PT#2 room/location at METI decided (not Embassy)

Members:

各位 :

(1) New participants from MLIT have been added to the email addressee.  
国土交通省の方のメールアドレスを宛先に追加しました。

(2) Draft agenda for the meeting #2 is attached for your reference.

第2回会合のアジェンダ（ドラフト）を添付します。

(3) Meeting #2 logistics:

第2回会合のロジは以下のとおりです。

When : 1100 on Mon 28th of March

Where : "Int'l Conference Room" at 17th floor West-2 METI.

How to get there: Tell the guard that you are attending the "Remote Control Project Team" so that your reception process is facilitated.

3月28日11:00~

経産省17階西2「国際会議室」

守衛に「リモートコントロール・プロジェクトチーム」に出席する旨伝えていただ

くと入館手続きがスムーズになります。

(See attached file: RemoCon PT Mtg2.doc)

Hiroyuki Hatada Deputy Director, Aerospace and Defense Industry

Division, Ministry of Economy, Trade and Industry / +81-3-3501-1692 / hatada-hiroyuki@meti.go.jp

畑田 浩之 経済産業省 製造産業局 航空機武器宇宙産業課 課長補佐 /

03-3501-1692

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| 送信元: |

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| hatada-hiroyuki/MITI-LAN |

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| 宛先: |

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>-----|  
| hatada-hiroyuki/MITI-LAN@MITI-LAN |

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|----->

| Cc: |

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| (b)(6) a-kumada0303@docomo.ne.jp, bannai-toshihiro@meti.go.jp, cherryrc@state.gov,  
duncanad@state.gov, |

| fujiki-toshimitsu/MITI-LAN@MITI-LAN, funaki-kentaro/MITI-LAN@MITI-LAN, hiros hisanomura@docomo.ne.jp,  
hiroshi.sanomura@mofa.go.jp, |

| hiros hi\_yoshinada@komatsu.co.jp, horiguchi-shin/MITI-LAN@MITI-LAN, howardeb@state.gov, koyama-  
masaomi@meti.go.jp, miki hay@mod.go.jp, |

| mitsumata-hiroki/MITI-LAN@MITI-LAN, mitsunori\_ozaki@komatsu.co.jp, mori-daisuke/MITI-LAN@MITI-LAN, okuda-  
shuji/MITI-LAN@MITI-LAN, |

|osamu.maekawa@toshiba.co.jp, ozawa-noriaki/MITI-LAN@MITI-LAN, (b)(6), sakuma-  
yasuhiro@meti.go.jp, satouyosh@mod.go.jp, |  
|takashi.hatori@mofa.go.jp, tsuyoshi.hagiwara@toshiba.co.jp, y4023@ce.taisei.co.jp, yagi.n@tepco.co.jp,  
yano.komei@tepco.co.jp, |  
|yasushi.horimizu@jnfl.co.jp, yojiro.hatakeyama@kantei.go.jp, yoshiko.kijima@mofa.go.jp,  
yoshinada.h.aa@m.titech.ac.jp, |  
|kumada@yb3.so-net.ne.jp |

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| 日付: |  
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|2011/03/27 18:56 |  
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| [[Fukushima NPP:Remote Coltrol PT](vol.5) CHANGE OF PLACE! RemoCon PT#2 at METI, NOT Embassy.  
|  
>-----|

(Addressees are the same as the previous email)

Members:

Meeting #2 planned at 1100 Mon 28th will be held at METI, NOT Embassy as previously planned.  
Room# will follow. This email is to let you know that it's not Embassy.  
Thanks.

各位 :

28日(月) 1100に予定しておりますPT第2回会合は、経産省で開催しま  
す。(当初予定の大使館はスペースが見つからないため)  
経産省のどの会議室か、は追って御連絡します。取り急ぎ変更の御連絡まで。

Hiroyuki Hatada Deputy Director, Aerospace and Defense Industry  
Division, Ministry of Economy, Trade and Industry / +81-3-3501-1692 / hatada-hiroyuki@meti.go.jp  
畑田 浩之 経済産業省 製造産業局 航空機武器宇宙産業課 課長補佐 /  
03-3501-1692

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| 送信元: |  
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>-----|

|hatada-hiroyuki/MITI-LAN |

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|宛先: |

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|hatada-hiroyuki/MITI-LAN@MITI-LAN |

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|----->

|Cc: |

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| (b)(6) |, a-kumada0303@docomo.ne.jp, bannai-toshihiro@meti.go.jp, cherryrc@state.gov,  
duncanad@state.gov, |

|fujiki-toshimitsu/MITI-LAN@MITI-LAN, funaki-kentaro/MITI-LAN@MITI-LAN, hirosisanomura@docomo.ne.jp,  
hiroshi.sanomura@mofa.go.jp, |

|hiroshi\_yoshinada@komatsu.co.jp, horiguchi-shin/MITI-LAN@MITI-LAN, howardeb@state.gov, koyama-  
masaomi@meti.go.jp, mikihay@mod.go.jp, |

|mitsumata-hiroki/MITI-LAN@MITI-LAN, mitsunori\_ozaki@komatsu.co.jp, mori-daisuke/MITI-LAN@MITI-LAN, okuda-  
shuji/MITI-LAN@MITI-LAN, |

|osamu.maekawa@toshiba.co.jp, ozawa-noriaki/MITI-LAN@MITI-LAN, (b)(6) |, sakuma-  
yasuhiro@meti.go.jp, satouyosh@mod.go.jp, |

|takashi.hatori@mofa.go.jp, tsuyoshi.hagiwara@toshiba.co.jp, y4023@ce.aisei.co.jp, yagi.n@tepcoco.jp,  
yano.komei@tepcoco.jp, |

|yasushi.horimizu@jfnl.co.jp, yojiro.hatakeyama@kantei.go.jp, yoshiko.kijima@mofa.go.jp,  
yoshinada.h.aa@m.titech.ac.jp, kumada@minshu.jp |

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|件名: |

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|[[Fukushima NPP:Remote Coltrol PT](vol.4) adding new addressee and some administratives for Japanese

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(Addressees are the same as the previous email)

I am sharing with all the members the information that METI received from DOE right after the meeting that started at 2000 yesterday.

昨日20時からの日米会議の直後、DOE側から受領した資料を共有いたします。  
日本側が提供を要請し、また詳細を質問している装備品等についての追加情報です。

この「追加情報」は日本側から「詳細を質問」している点に直接応えるものではありません。  
回答すべくDOEが引き続き作業してくれている状況です。

[添付ファイル "Site Mapping and Surveillance Assistance to the Government of Japan (25 March 2011)-FINAL (2).doc" は hatada-hiroyuki/MITI-LAN が削除しました]

Hiroyuki Hatada Deputy Director, Aerospace and Defense Industry  
Division, Ministry of Economy, Trade and Industry / +81-3-3501-1692 / hatada-hiroyuki@meti.go.jp  
畑田 浩之 経済産業省 製造産業局 航空機武器宇宙産業課 課長補佐 /  
03-3501-1692

|----->  
| 送信元: |  
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>-----|  
| hatada-hiroyuki/MITI-LAN |  
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| 宛先: |  
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| hatada-hiroyuki/MITI-LAN@MITI-LAN |  
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| Cc: |  
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>-----|  
| [REDACTED] (b)(6) bannai-toshihiro@meti.go.jp, cherryrc@state.gov, duncanad@state.gov, fujiki-toshimitsu/MITI-LAN@MITI-LAN, |  
| funaki-kentaro/MITI-LAN@MITI-LAN, hiroshisanomura@docomo.ne.jp, hiroshi\_yoshinada@komatsu.co.jp, horiguchi-shin/MITI-LAN@MITI-LAN, |  
| howardeb@state.gov, koyama-masaomi@meti.go.jp, koyama-masaomi/MITI-LAN@MITI-LAN, mikihay@mod.go.jp, mitsumata-hiroki/MITI-LAN@MITI-LAN, |  
| mitsunori\_ozaki@komatsu.co.jp, mori-daisuke/MITI-LAN@MITI-LAN, okuda-shuji/MITI-LAN@MITI-LAN, osamu.maekawa@toshiba.co.jp, |  
| ozawa-noriaki/MITI-LAN@MITI-LAN, pekodx@state.gov, rodney.tanaka@usfj.mil, sakuma-yasuhiro@meti.go.jp, |  
| sakuma-yasuhiro/MITI-LAN@MITI-LAN, satouyosh@mod.go.jp, takashi.hatori@mofa.go.jp, tsuyoshi.hagiwara@toshiba.co.jp, yagi.n@tepcoco.jp, |  
| yoshiko.kijima@mofa.go.jp, yoshinada.h.aa@m.titech.ac.jp, hiroshi.sanomura@mora.go.jp, yoshiko.kijima@mofa.go.jp, |  
| a-kumada0303@docomo.ne.jp, yojiro.hatakeyama@kantei.go.jp, yasushi.horimizu@jfnl.co.jp, yano.komei@tepcoco.jp, y4023@ce.taisei.co.jp |  
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|2011/03/27 16:05 |  
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| 件名: |  
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>-----|  
|[Fukushima NPP:Remote Coltrol PT](vol.3) adding new addressee and some administratives for Japanese  
|  
>-----|

(addressees)

衆議院議員 熊田先生  
外務省 貴島様、佐野村様  
経産省 藤木様、奥田様  
経産省資源エネルギー庁 堀口様、舟木様 (→朝日様、三又様)  
経産省保安院 坂内様、小山様、佐久間様 (→根井様)  
防衛省 佐藤 3 佐 (→岩池様、米倉様)  
東京電力 堀水様、矢野様、八木様 (→佐藤様、原田様)  
東芝 萩原様  
コマツ 吉灘様、尾崎様  
US Embassy Mr. Cherry, Ms. Duncan  
CC : 経産省 小澤様

(カッコ内の方はメールアドレスに入っていないので適宜共有願います)

To the US participants:

Primary objective of this email is to get new participants (or new addresses) included in the addressees.

Reply to this email when you want to reach the Remote Control PT members.

日本側参加者の方へ :

(To the Japanese participants)

【0】連絡先アドレスの追加依頼がありましたので、追加しました。  
本メールは、このアドレスをお知らせする意味もあって、お送りしています。

【1】米側から以下の問い合わせを受けています。  
PT # 1 で配布した 2 枚紙ノンペーパーにある機材を要請された点は理解したが、以下について確認したい

(1) DOE は「オーダー済み」のものについては特段のアクションは取らない予定だが、DOE-owned/DOE-enabled のものなど、コマーシャルベースでは上手く手配出来るのか心配なものがある。もしどこかで引っかかるなど、DOE としてアクションすべき事があれば、教えて欲しい。(→八木さん確認お願いします)

(2) カメラについて、希望台数をお願いします(→八木さん確認お願いします。四

台ですか?)

【2】PT#2について

第2回PTを、明日28日11:00(P)から、米国大使館で開催する方向で調整中です。

米側に対して、出席者を登録する必要があります。

特段御連絡なければ、以下の方を登録しようと思っております。修正あれば御連絡下さい。

Special Assistant to Prime Minister Mr. Goshi Hosono Diet Member Mr. Atsushi Kumada

Cabinet Secretariat Yojiro Hatakeyama

MOFA Yoshiko Kijima, Hiroshi Sanomura

METI Hiroshi Asahi, Hiroki Mitsumata, Kentaro Funaki, Toshimitsu Fujiki, Shuji Okuda, Noriaki Ozawa, Hiroyuki Hatada,

NISA Hisanori Nei,

MOD Masayuki Iwaike, Kazuya Yonekura

MLIT (TBD)

TEPCO Yasushi Horimizu, Komei Yano, Naoto Yagi TAISEI CORP Yoji Tateishi TOSHIBA Tsuyoshi Hagiwara KOMATSU Mitsunori Ozaki, Hiroshi Yoshinada

Hiroyuki Hatada Deputy Director, Aerospace and Defense Industry

Division, Ministry of Economy, Trade and Industry / +81-3-3501-1692 / hatada-hiroyuki@meti.go.jp

畑田 浩之 経済産業省 製造産業局 航空機武器宇宙産業課 課長補佐 /

03-3501-1692

|----->

| 送信元: |

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>-----|

|hatada-hiroyuki/MITI-LAN |

>-----|

|----->

| 宛先: |

|----->

>-----|

|hatada-hiroyuki/MITI-LAN@MITI-LAN |

>-----|

|----->

| Cc: |

|----->

>-----|

| [redacted] (b)(6) |, bannai-toshihiro@meti.go.jp, cherryrc@state.gov, duncanad@state.gov, funaki-kentaro/MITI-LAN@MITI-LAN, |

|hiroshi\_yoshinada@komatsu.co.jp, horiguchi-shin/MITI-LAN@MITI-LAN, howardeb@state.gov, koyama-masaomi/MITI-LAN@MITI-LAN, |

|mikihay@mod.go.jp, mitsumata-hiroki/MITI-LAN@MITI-LAN, mitsunori\_ozaki@komatsu.co.jp, mori-daisuke/MITI-LAN@MITI-LAN, |  
|okuda-shuji/MITI-LAN@MITI-LAN, osamu.maekawa@toshiba.co.jp, ozawa-noriaki/MITI-LAN@MITI-LAN, |  
pekodx@state.gov, (b)(6) |  
|satouyosh@mod.go.jp, takashi.hatori@mofa.go.jp, tsuyoshi.hagiwara@toshiba.co.jp, yagi.n@tepcoco.jp, |  
yoshinada.h.aa@m.titech.ac.jp, |  
|sakuma-yasuhiro/MITI-LAN@MITI-LAN, fujiki-toshimitsu/MITI-LAN@MITI-LAN, bannai-toshihiro@meti.go.jp, koyama-masaomi@meti.go.jp, |  
|sakuma-yasuhiro@meti.go.jp, yoshiko.kijima@mofa.go.jp, hiroshisanomura@docomo.ne.jp, satouyosh@mod.go.jp |

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|2011/03/26 12:59 |

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| 件名: |

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[[Fukushima NPP:Remote Control PT](vol.2) Memorandum on Today's RemoCon PT meeting 1500 at METI 12F romm  
West-1 |

>-----|

(addressees)

外務省 貴島様、佐野様  
経産省 藤木様、奥田様  
経産省資源エネルギー庁 堀口様、舟木様 (→三又様)  
経産省保安院 坂内様、小山様、佐久間様 (→根井様)  
防衛省 佐藤3佐 (→岩池様、米倉様)

東京電力 八木様 (→佐藤様、原田様)

東芝 萩原様

コマツ 吉灘様、尾崎様

US Embassy Mr. Cherry, Ms. Duncan

CC : 経産省 小澤様

(カッコ内の方はメールアドレスに入っていないので適宜共有願います)

Dear attendees to the Remote Control Project Team Meeting #1,

Please find attached a memorandum that will be used in Today's meeting.

(Page 1 in Japanese and Page 2 in English) For those who have not seen the previous communication, please see the last email attached below.



Very respectfully,

Hiroyuki Hatada

[添付ファイル "RemoCon PT Mtg1.doc" は hatada-hiroyuki/MITI-LAN が削除しました]

Hiroyuki Hatada Deputy Director, Aerospace and Defense Industry  
Division, Ministry of Economy, Trade and Industry / +81-3-3501-1692 / hatada-hiroyuki@meti.go.jp  
畑田 浩之 経済産業省 製造産業局 航空機武器宇宙産業課 課長補佐 /  
03-3501-1692

|----->  
| 送信元: |  
|----->  
>-----|  
| hatada-hiroyuki/MITI-LAN |  
>-----|  
|----->  
| 宛先: |  
|----->  
>-----|  
|hiroshi\_yoshinada@komatsu.co.jp, mitsunori\_ozaki@komatsu.co.jp, osamu.maekawa@toshiba.co.jp,  
tsuyoshi.hagiwara@toshiba.co.jp, |  
|yagi.n@tepcoco.jp, yoshinada.h.aa@m.titech.ac.jp, takashi.hatori@mofa.go.jp, mikihay@mod.go.jp,  
satouyosh@mod.go.jp, |  
|bannai-toshihiro@meti.go.jp, koyama-masaomi/MITI-LAN@MITI-LAN, cherryrc@state.gov, duncanad@state.gov,  
pekodx@state.gov, |  
|howardeb@state.gov, (b)(6) |  
>-----|  
|----->  
| Cc: |  
|----->  
>-----|  
|ozawa-noriaki/MITI-LAN@MITI-LAN, okuda-shuji/MITI-LAN@MITI-LAN, funaki-kentaro/MITI-LAN@MITI-LAN,  
horiguchi-shin/MITI-LAN@MITI-LAN, |  
|mori-daisuke/MITI-LAN@MITI-LAN, mikihay@mod.go.jp, mitsumata-hiroki/MITI-LAN@MITI-LAN  
|  
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| 日付: |  
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| 2011/03/26 10:16 |  
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| 件名: |

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|[Fukushima NPP:Remote Control PT] logistics for the meeting #1 1500 26th Mar (TODAY) 【原発・NRC】リモコン  
PT 第 1 回 ロジ連絡 |  
>-----|

To the invited participants to the Remote Control PT:  
(For Japanese, please see below)

<< to the US participants >>

Please be advised on the logistics for the meeting #1 of the Remote Control Project Team, that was mentioned in yesterday's bilateral meeting:

When: 1500 on Saturday March 26th (TODAY)

Where: Shougi-room located West-1 on the 12th floor of the METI Main Building How to get there:

- Use the gate located on the north edge (facing toward the royal residence)
- at the entrance of the main building, tell the guard that you are attending "Remote Control Project Team Meeting, hosted by Soumu-ka (ext.2111)".
- use the red elevator to 12th floor and proceed to the door marked West-1
- call me at cell (b)(6) if needed

Please send me a list of US participants with Name, Job title, phone# and email address.

Thank you.

<<日本側参加者の皆様へ>>

お世話になっております。  
リモコンPTのロジについて御連絡します。

○リモートコントロール・プロジェクトチーム第1回会合

日時：3月26日（土）15：00～

場所：経済産業省本館12階西1 省議室（12階西1）

入館方法：

- ・土曜日のため、経済産業省の敷地北側の門（農林水産省側、皇居の方角）から入構下さい。
- ・役所のIDをお持ちでない方は、本館入り口にて、守衛所に「官房総務課（内線2111）の会議（リモコンPT）に出席する」旨、お伝え下さい。
- ・赤いエレベーターで12階西1の会場までお越し下さい。

出席者登録がまだの方は、お送りしたメールのフォーマットにて回答願います。  
（東芝、コマツ、原子力産業課からは既に出席登録を頂いております。）

よろしくお願ひ申し上げます。

(以上)

Hiroyuki Hatada Deputy Director, Aerospace and Defense Industry  
Division, Ministry of Economy, Trade and Industry / +81-3-3501-1692 / hatada-hiroyuki@meti.go.jp  
畑田 浩之 経済産業省 製造産業局 航空機武器宇宙産業課 課長補佐 /  
03-3501-1692

SBU  
This email is UNCLASSIFIED

---

**From:** Fuller, Matthew G <FullerMG@state.gov>  
**Sent:** Sunday, March 27, 2011 7:56 PM  
**To:** Batkin, Joshua; Chang, Benjamin; Wall, Marc M; Zumwalt, James P  
**Cc:** Brenner, Eliot; Phillips, Leslie M; Dorman, Dan; Foggie, Kirk; Webster, Jessica M (TDY/ECN); Monninger, John  
**Subject:** RE: Chairman Jaczko travel  
**Attachments:** Schedule NRC Chairman Jaczko March 2011 schedule A.DOCX

~~SBU~~

This email is UNCLASSIFIED-----Original Message-----

From: Batkin, Joshua [mailto:Joshua.Batkin@nrc.gov]

Sent: Monday, March 28, 2011 8:53 AM

To: Chang, Benjamin; Wall, Marc M; Zumwalt, James P

Cc: Fuller, Matthew G; Brenner, Eliot; Phillips, Leslie M; Dorman, Dan; Foggie, Kirk; Webster, Jessica M (TDY/ECN); Monninger, John

Subject: Re: Chairman Jaczko travel

+John Monninger

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

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

From: Chang, Benjamin <ChangBE@state.gov>

To: Batkin, Joshua; Wall, Marc M <WallMM@state.gov>; Zumwalt, James P <ZumwaltJP@state.gov>

Cc: Fuller, Matthew G <FullerMG@state.gov>; Brenner, Eliot; Phillips, Leslie M <PhillipsLM@state.gov>; Dorman, Dan; Foggie, Kirk; Webster, Jessica M (TDY/ECN) <TDYWebsterJM@state.gov>

Sent: Sun Mar 27 19:50:35 2011

Subject: Re: Chairman Jaczko travel

(Adding a few NRC folks to avoid multiple lists)

Do we have a latest schedule?

Ben - latest schedule from Jessica last night at 23:13 Tokyo time is attached. Where do we stand on the press statement to be released after the 1300 meeting? Want to make sure we're all on the same page. Thanks.

Matt

Matthew G. Fuller  
Special Assistant to Ambassador John V. Roos U.S. Embassy Tokyo

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

From: Batkin, Joshua [mailto:Joshua.Batkin@nrc.gov]  
Sent: Sunday, March 27, 2011 08:46 AM  
To: Chang, Benjamin; Wall, Marc M; Zumwalt, James P  
Cc: Fuller, Matthew G; Brenner, Eliot <Eliot.Brenner@nrc.gov>; Phillips, Leslie M  
Subject: Re: Chairman Jaczko travel

Ben - looks good from here. Thanks, Josh

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

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

From: Chang, Benjamin <ChangBE@state.gov>  
To: Wall, Marc M <WallMM@state.gov>; Batkin, Joshua; Zumwalt, James P <ZumwaltJP@state.gov>  
Cc: Fuller, Matthew G <FullerMG@state.gov>; Brenner, Eliot; Phillips, Leslie M <PhillipsLM@state.gov>  
Sent: Sun Mar 27 04:26:51 2011  
Subject: Re: Chairman Jaczko travel

(+ Leslie, now in Tokyo)

A draft press plan - comments welcome:

Visit of NRC Chairman Jaczko 3-28-11

(b)(5)

(b)(5)

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

From: Chang, Benjamin

Sent: Sunday, March 27, 2011 01:30 AM

To: Wall, Marc M; 'Joshua.Batkin@nrc.gov' <Joshua.Batkin@nrc.gov>; Zumwalt, James P

Cc: Fuller, Matthew G; 'Eliot.Brenner@nrc.gov' <Eliot.Brenner@nrc.gov>

Subject: Re: Chairman Jaczko travel

Thank you.

All inquiries to the press section will come to me...

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

From: Wall, Marc M

Sent: Sunday, March 27, 2011 01:25 AM

To: Chang, Benjamin; 'Joshua.Batkin@nrc.gov' <Joshua.Batkin@nrc.gov>; Zumwalt, James P

Cc: Fuller, Matthew G; 'Eliot.Brenner@nrc.gov' <Eliot.Brenner@nrc.gov>

Subject: RE: Chairman Jaczko travel

We've informed MOFA, the Kantei, NISA, and TEPCO.

This email is UNCLASSIFIED

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

From: Chang, Benjamin  
Sent: Sunday, March 27, 2011 12:44 PM  
To: 'Joshua.Batkin@nrc.gov'; Zumwalt, James P  
Cc: Wall, Marc M; Fuller, Matthew G; 'Eliot.Brenner@nrc.gov'  
Subject: Re: Chairman Jaczko travel

Thanks

NRC is not issuing any sort of media advisory on the visit.

(b)(5)

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

From: Batkin, Joshua [mailto:Joshua.Batkin@nrc.gov]  
Sent: Saturday, March 26, 2011 11:29 PM  
To: Chang, Benjamin; Zumwalt, James P  
Cc: Wall, Marc M; Fuller, Matthew G; Brenner, Eliot <Eliot.Brenner@nrc.gov>  
Subject: Re: Chairman Jaczko travel

+Eliot Brenner, NRC public affairs director.

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

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

From: Chang, Benjamin <ChangBE@state.gov>  
To: Zumwalt, James P <ZumwaltJP@state.gov>; Batkin, Joshua  
Cc: Wall, Marc M <WallMM@state.gov>; Fuller, Matthew G <FullerMG@state.gov>  
Sent: Sat Mar 26 22:44:51 2011  
Subject: Re: Chairman Jaczko travel

Hi, Joshua. We are primed here to be of support for the visit and the messaging.

(b)(5)

Ben

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

From: Zumwalt, James P

Sent: Saturday, March 26, 2011 10:33 PM  
To: 'Batkin, Joshua' <Joshua.Batkin@nrc.gov>; Chang, Benjamin  
Cc: Wall, Marc M; Fuller, Matthew G  
Subject: RE: Chairman Jaczko travel

Joshua --

(b)(5) Ben Chang has been handling the public affairs aspects of this visit for the Embassy and I'll ask him to contact you directly to discuss.

Appreciate Ben if you could continue to cc this group on press issues.

Jim

James P. Zumwalt  
Deputy Chief of Mission  
U.S. Embassy, Tokyo  
1-10-5 Akasaka  
Minato ku Tokyo 107-8420  
(03) 3224-5550  
<http://tokyo.usembassy.gov/zblog/e/zblog-email.html>

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

From: Batkin, Joshua [mailto:Joshua.Batkin@nrc.gov]  
Sent: Sunday, March 27, 2011 11:31 AM  
To: Zumwalt, James P  
Subject: Re: Chairman Jaczko travel

(b)(5)

Thanks,  
Josh

(b)(6) C

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

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

From: Zumwalt, James P <ZumwaltJP@state.gov>  
To: JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>; Batkin, Joshua  
Cc: Wert, Robert A <WertRA@state.gov>; Bare, Robert A <BareRA@state.gov>; Hardin, Alexander K <HardinAK2@state.gov>; Wall, Marc M <WallIMM@state.gov>; Forbes, James A <ForbesJA@state.gov>; Howard, E. Bruce <HowardEB@state.gov>; Cherry, Ronald C <CherryRC@state.gov>; Duncan, Aleshia D <DuncanAD@state.gov>; Fuller, Matthew G <FullerMG@state.gov>; Angelov, Bonnie A <AngelovBA@state.gov>; Basalla, Suzanne I



<BasallaSI@state.gov>; Deming, Rust M <DemingRM@state.gov>; Pace, Patti; Coggins, Angela; Foggie, Kirk; Bradford, Anna; Webster, Jessica M (Hanoi) <WebsterJM@state.gov>  
Sent: Sat Mar 26 22:13:40 2011  
Subject: RE: Chairman Jaczko travel

Looping in Jessica Webster who is also working with the NRC team on planning this visit.

James P. Zumwalt  
Deputy Chief of Mission  
U.S. Embassy, Tokyo  
1-10-5 Akasaka  
Minato ku Tokyo 107-8420  
(03) 3224-5550  
<http://tokyo.usembassy.gov/zblog/e/zblog-emain.html>

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

From: JapanEmbassy, TaskForce  
Sent: Sunday, March 27, 2011 9:56 AM  
To: 'Batkin, Joshua'; JapanEmbassy, TaskForce  
Cc: Wert, Robert A; Bare, Robert A; Hardin, Alexander K; Wall, Marc M; Forbes, James A; Howard, E. Bruce; Cherry, Ronald C; Duncan, Aleshia D; Zumwalt, James P; Fuller, Matthew G; Angelov, Bonnie A; Basalla, Suzanne I; Deming, Rust M; Pace, Patti; Coggins, Angela; Foggie, Kirk; Bradford, Anna  
Subject: RE: Chairman Jaczko travel

Thanks Josh. I just spoke with Kirk Foggie and he will work directly with the Embassy's General Services Office (Robert Bare and Alex Hardin) on ground transportation and hotel reservations.

Cheers,  
Mike

This email is UNCLASSIFIED

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

From: Batkin, Joshua [mailto:Joshua.Batkin@nrc.gov]  
Sent: Sunday, March 27, 2011 9:43 AM  
To: JapanEmbassy, TaskForce  
Cc: Wert, Robert A; Bare, Robert A; Hardin, Alexander K; Wall, Marc M; Forbes, James A; Howard, E. Bruce; Cherry, Ronald C; Duncan, Aleshia D; Zumwalt, James P; Fuller, Matthew G; Angelov, Bonnie A; Basalla, Suzanne I; Deming, Rust M; Pace, Patti; Coggins, Angela; Foggie, Kirk; Bradford, Anna  
Subject: Re: Chairman Jaczko travel

Travelers: NRC Chairman Gregory B. Jaczko traveling on a diplomatic passport and his Policy Director Angela B. Coggins traveling on an official passport. (Neither have visas). Can you please also help with in-country transportation and hotel reservations? Please let me know if you need additional information and thank you so much for your assistance on short notice.

Here is their flight information:

Travel to Japan:

Saturday March 26th

United 924

IAD – LHR

10:05PM – 10:15AM

Sunday March 27th

Virgin Atlantic 900

LHR – Narita (NRT)

1:45PM – 9:30AM (Monday March 28th)

Return Travel to US:

Tuesday March 29

United 9682

NRT – IAD

11:05AM – 10:40AM (Same day)

Sincerely,

Josh

(b)(6)

c

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

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

From: JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>

To: Batkin, Joshua

Cc: Wert, Robert A <WertRA@state.gov>; Bare, Robert A <BareRA@state.gov>; Hardin, Alexander K <HardinAK2@state.gov>; Wall, Marc M <WallMM@state.gov>; Forbes, James A <ForbesJA@state.gov>; Howard, E. Bruce <HowardEB@state.gov>; Cherry, Ronald C <CherryRC@state.gov>; Duncan, Aleshia D <DuncanAD@state.gov>; Zumwalt, James P <ZumwaltJP@state.gov>; JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>; Fuller, Matthew G <FullerMG@state.gov>; Angelov, Bonnie A <AngelovBA@state.gov>; Basalla, Suzanne I <BasallaSI@state.gov>; Deming, Rust M <DemingRM@state.gov>

Sent: Sat Mar 26 20:24:13 2011

Subject: RE: Chairman Jaczko travel

Josh,

Greetings from Tokyo. Could you please send us the flight information for the chairman and the names of the people in the traveling party?

Thanks,  
Mike Daschbach  
Embassy Japan Emergency Command Center

This email is UNCLASSIFIED

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

From: Forbes, James A  
Sent: Sunday, March 27, 2011 9:08 AM  
To: Bare, Robert A; JapanEmbassy, TaskForce; Hardin, Alexander K  
Cc: Wert, Robert A  
Subject: RE: Chairman Jaczko travel

And the number of people accompanying the chairman?

This email is UNCLASSIFIED

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

From: Bare, Robert A  
Sent: Sunday, March 27, 2011 9:07 AM  
To: JapanEmbassy, TaskForce; Hardin, Alexander K  
Cc: Forbes, James A; Wert, Robert A  
Subject: Re: Chairman Jaczko travel

Can the task force find out arrival details? Milair or commair?

Thanks,

Robert

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

From: JapanEmbassy, TaskForce  
To: Hardin, Alexander K; Bare, Robert A  
Cc: Forbes, James A; Wert, Robert A  
Sent: Sat Mar 26 19:58:57 2011  
Subject: FW: Chairman Jaczko travel

This email is UNCLASSIFIED-----Original Message-----

From: Horowitz, Paul D  
Sent: Sunday, March 27, 2011 8:56 AM  
To: JapanEmbassy, TaskForce  
Subject: Fw: Chairman Jaczko travel

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

From: Cherry, Ronald C

To: Wall, Marc M; Horowitz, Paul D; Howard, E. Bruce; Duncan, Aleshia D  
Sent: Sat Mar 26 19:54:57 2011  
Subject: FW: Chairman Jaczko travel

Please note NRC Chairman visit -- could be tomorrow.

~~SBU~~

This email is UNCLASSIFIED

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

From: Russel, Daniel R. [mailto: [REDACTED] (b)(6)]  
Sent: Sunday, March 27, 2011 8:06 AM  
To: Cherry, Ronald C; 'Steven.Aoki@nnsa.doe.gov'  
Subject: FW: Chairman Jaczko travel

FYI

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

From: Russel, Daniel R.  
Sent: Saturday, March 26, 2011 6:44 PM  
To: 'Batkin, Joshua'; John V. Roos (roosj@state.gov); James Zumwalt (ZumwaltJP@state.gov); Matthew G Fuller (FullerMG@state.gov); Angelov, Bonnie A; Basalla, Suzanne I  
Cc: Jaczko, Gregory; Bader, Jeffrey A.; Rust Deming (demingrm@state.gov); Donovan, Joseph R  
Subject: RE: Chairman Jaczko travel

Josh - Adding Embassy Tokyo contacts who can work directly with you. Also adding State Department.

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

From: Batkin, Joshua [mailto:Joshua.Batkin@nrc.gov]  
Sent: Saturday, March 26, 2011 6:37 PM  
To: Russel, Daniel R.; Bader, Jeffrey A.  
Cc: Jaczko, Gregory  
Subject: Chairman Jaczko travel

Gentleman - The Chairman is prepared to travel to Japan this weekend. The itinerary that works best is a departure later tonight, arrival in Tokyo in the morning on Monday (japan time) and a departure mid-day on Tuesday (japan time). Please confirm that works for the Embassy and we'll get him there. Thank you, Josh

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

Visit to Tokyo by NRC Chairman Gregory B. Jaczko  
and Policy Director Angela B. Coggins  
March 27-28, 2011

Control Officer: Kirk Foggie, cell (b)(6) (if from Embassy dial 8-010-1-AC-number)  
Tel (NRC staff room): 3224-5066

Lodging:

(b)(6)

Interpreter: Ms. Mariko Nagai tel (o): 3524-3101  
Vehicle: Toyota Hiace Van, GAI-8206.  
Driver: Mr. Ohba

March 27

0930 Arrive Narita Virgin Atlantic 900

Met by EconMinCouns Marc Wall, NRC Deputy Team Leader  
John Monninger and NRC International Officer Kirk Foggie

1115 Arrive (b)(6)

1150 Walk to Embassy

1200-1210 Meeting with Ambassador  
Location: 9<sup>th</sup> floor

1210-1245 Meeting with NRC team  
Location: NRC Control Room, Embassy 1<sup>st</sup> Floor

1245 Depart Embassy with Ambassador (Wall and interpreter depart separately in van)

1300-1345 Meeting with Special Advisor to the Prime Minister Goshi Hosono, Cabinet Office  
Crisis Management Team

Location: TBD  
Participants: Ambassador, Chairman, Wall (notetaker), interpreter  
POC: MOFA Kawai  
Kantei: Seiji INADA 03-5253-2204

1345 Return to Embassy with Ambassador (Wall and interpreter return separately)

- 1400-1445 Meeting with Interagency Team
- Location: 9<sup>th</sup> Floor Conference Room  
 Participants: Ambassador, Chairman, Coggins, Casto, Foggie, DCM Jim Zumwalt, Econ Minister Counselor Marc Wall, Political Minister Counselor Rob Luke, Energy Attaché Ron Cherry, HHS radiation medicine specialist Dr. Norm Coleman, Bill Berger (DART), Alan Remick (DOE), Naval Nuclear Reactors Will Knoll, Pol-Mil Officer Joe Young, DAO Justin Cooper, Ag Counselor Geoffrey Wiggin, Press officer Ben Chang, ESTH Officer Bruce Howard
- 1445 Depart for NISA in Embassy van
- 1500-1545 Meeting with Nuclear and Industrial Safety Administration (NISA)  
 Director General Nobuaki Terasaka
- Location: NISA, 1-3-1 Kasumigaseki, Chiyoda-ku  
 Participants: Terasaka, DDG Bannai, DDG Nei  
 Chairman, Coggins, Casto, Foggie, Wall (notetaker), interpreter  
 POC: [koyama-masaomi@meti.go.jp](mailto:koyama-masaomi@meti.go.jp) or +81-3-3501-1087
- 1545 Depart for TEPCO in Embassy van; DCM meets at TEPCO
- 1600 Meeting with TEPCO Chairman Tsunehisa Katsumata and Executive Vice President and CNO Sakae Muto
- Location: TEPCO HQ 12 , 1-3 Uchisaiwaicho 1-chome, Chiyoda-ku\*  
 Participants:  
 Tsunehisa Katsumata, Chairman (at beginning of meeting)  
 Sakae Muto, Executive Vice President and Representative Director/CNO  
 Kazuhiko Yamashita, Managing Director of Plant Management  
 Koichi Miyata (phon), Group Manager, Plant Management Safety Technology  
 Takashi Sato, Group Manager, Nuclear Plant Siting Planning  
 Akira Ono, Deputy Director Yokohama Thermal Power Plant  
 Keiichi Yoshida, Office of Secretaries (interpreter)  
 DCM Zumwalt, Coggins, Casto, Foggie, Wall, Webster (notetaker), interpreter  
 \*Van should go to B1 level where Chairman will be met
- POC: Mr. Koki Motoda, Tel: 03-6373-2171, [motoda.koki@tepcoco.jp](mailto:motoda.koki@tepcoco.jp)
- TBD Return to Embassy in Embassy vehicle. Snack available.
- TBD Depart for Cabinet Office with Ambassador

2000 Cabinet Office Crisis Management Meeting

Location: Cabinet Office annex

Participants: Chairman, Ambassador, Castro, Coggins, Foggie,  
U.S. and Japanese crisis management teams

Return with Ambassador

March 28

0830 (TBC) Depart (b)(6) for Narita International Airport  
Embassy Vehicle provided  
Accompanied by Kirk Foggie

1105 Depart Narita United 9682

---

**From:** Monninger, John  
**Sent:** Sunday, March 27, 2011 7:38 PM  
**To:** Batkin, Joshua  
**Subject:** Re: AIRPORT PICKUP

Thanks. There flight is about 30 minutes late but we built a little slack in the building so we are okay.

John Monninger

(b)(6)

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

**From:** Batkin, Joshua  
**To:** Monninger, John  
**Sent:** Sun Mar 27 19:36:00 2011  
**Subject:** Re: AIRPORT PICKUP

(b)(6)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

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

**From:** Monninger, John  
**To:** Coggins, Angela; Jaczko, Gregory  
**Cc:** Batkin, Joshua  
**Sent:** Sun Mar 27 19:33:24 2011  
**Subject:** AIRPORT PICKUP

Mr. Chairman

We are at the airport to pick you up. Mark Wal from the Embassy will attempt to come to the arrival ramp. Mark has a gray suit and blue shirt on. No tie. (b)(6)

John Monninger

(b)(6)



---

**From:** Monninger, John  
**Sent:** Sunday, March 27, 2011 5:34 PM  
**To:** Batkin, Joshua; Foggie, Kirk  
**Subject:** Re: You guys ready for them?!

100%

John Monninger

(b)(6)

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

**From:** Batkin, Joshua  
**To:** Monninger, John; Foggie, Kirk  
**Sent:** Sun Mar 27 16:51:39 2011  
**Subject:** You guys ready for them?!

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Foggie, Kirk  
**Sent:** Sunday, March 27, 2011 5:21 PM  
**To:** Batkin, Joshua; Monninger, John  
**Subject:** Re: You guys ready for them?!

Yes. Times have moved a bit, but the meetings remain the same. I will try and send you the updated schedule in a bit.

(b)(5)

Sent from Blackberry.

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

**From:** Batkin, Joshua  
**To:** Foggie, Kirk; Monninger, John  
**Sent:** Sun Mar 27 17:04:43 2011  
**Subject:** Re: You guys ready for them?!

Woo hoo! Schedule firmed up?

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

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

**From:** Foggie, Kirk  
**To:** Batkin, Joshua; Monninger, John  
**Sent:** Sun Mar 27 17:01:27 2011  
**Subject:** Re: You guys ready for them?!

Yes. Were heading to the airport in a little over an hour.  
Sent from Blackberry.

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

**From:** Batkin, Joshua  
**To:** Monninger, John; Foggie, Kirk  
**Sent:** Sun Mar 27 16:51:39 2011  
**Subject:** You guys ready for them?!

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** RST01 Hoc  
**Sent:** Sunday, March 27, 2011 3:23 PM  
**To:** Casto, Chuck; Monninger, John  
**Subject:** Shorter Talking Points Version of the RST Assessment of the Daiichi Units.  
**Attachments:** RST Assessment table 03-27-11.xlsx

Chuck,  
For your use as a tool.

John,  
As a basis for your higher level version.

From Pat Hiland  
RST Director

DRAFT

(b)(5)

DRAFT

(b)(5)

DRAFT

(b)(5)

DRAFT

(b)(5)

DRAFT

(b)(5)



DRAFT

(b)(5)

DRAFT

(b)(5)

DRAFT

(b)(5)

DRAFT

(b)(5)

DRAFT

(b)(5)

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**From:** JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>  
**Sent:** Sunday, March 27, 2011 3:01 PM  
**To:** Casto, Chuck; Cherry, Ronald C; Duncan, Aleshia D; Dorman, Dan; Monninger, John; Trapp, James; James Trapp NRC  
**Cc:** JapanEmbassy, TaskForce  
**Subject:** FW: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing  
**Attachments:** image001.png

Can NRC respond to the below questions/comments from the Washington task force?

Thank you,

Lynda

on behalf of the Japan Emergency Command Center, +81-3-3224- 5533

Lynda Hinds  
Staff Assistant to Ambassador John V. Roos  
U.S. Embassy  
1-10-5 Akasaka, Minato-ku  
Tokyo 107-8420  
Tel. (03) 3224- 5370

[Twitter.com/AmbassadorRoos](https://twitter.com/AmbassadorRoos)



This email is UNCLASSIFIED.

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**From:** Brendel, Brian D **On Behalf Of** zTask Force 1 Mailbox  
**Sent:** Monday, March 28, 2011 3:56 AM  
**To:** JapanEmbassy, TaskForce; 'RMTFACTSU\_RM'; zTask Force 1 Mailbox; 'RMT\_FACTSU'  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

Regarding Hydraulic hoses and couplers (couplings?):

Are these hard to find items in the U.S.?

I don't want to steal the thunder from the Australians, but I think these may be something we do not want to let get delayed.

Did the Australians seem very confident they can supply Hydraulic Hoses and quickly and in sufficient quantity?

P.S. Any luck on the radioactive – protection suits?

Brian

---

**From:** JapanEmbassy, TaskForce  
**Sent:** Sunday, March 27, 2011 10:42 AM  
**To:** 'RMTPACTSU\_RM'; zTask Force 1 Mailbox; RMT\_PACTSU  
**Cc:** JapanEmbassy, TaskForce  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

We received the following information from the NRC team in Tokyo:

1. Hydraulic hoses.....equipment not located as of yet, the Australians are seeking this equipment. We will update the Japanese Cabinet meeting tomorrow night.
2. Shielding.....points of contact for tungsten shielding were provided at the cabinet meeting tonight.
3. Suits.....we don't believe that such suits exist. We are still in pursuit of these.

on behalf of the Japan Emergency Command Center, +81-3-3224- 5533

Lynda Hinds  
Staff Assistant to Ambassador John V. Roos  
U.S. Embassy  
1-10-5 Akasaka, Minato-ku  
Tokyo 107-8420  
Tel. (03) 3224- 5370

[Twitter.com/AmbassadorRoos](https://twitter.com/AmbassadorRoos)



This email is UNCLASSIFIED.

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**From:** RMTPACTSU\_RM [mailto:RMTPACTSU\_RM@ofda.gov]  
**Sent:** Sunday, March 27, 2011 11:39 PM  
**To:** zTask Force 1 Mailbox; RMT\_PACTSU  
**Cc:** JapanEmbassy, TaskForce  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

Brian, we did convey this request to the expanded DART and per a concall last night were told the specific request was being discussed at the Tokyo level. We did not receive a further update this morning and we are asking again where things stand...Justin

---

**From:** Brendel, Brian D [mailto:BrendelBD@state.gov] **On Behalf Of** zTask Force 1 Mailbox  
**Sent:** Sunday, March 27, 2011 9:37 AM  
**To:** RMTPACTSU\_RM; zTask Force 1 Mailbox; RMT\_PACTSU  
**Cc:** JapanEmbassy, TaskForce  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

Dear RMT colleagues,

I am hoping to have an update on the following for today's phone call with Ambassador Fujisaki:

- 1: Hydraulic hoses with couplers (couplings?)
- 2: Radioactive shielding for vehicles
- 3: Protective clothing (suits) against radioactivity.

Was there any word from the expanded DART in Tokyo?

Brian Brendel

Cell (b)(6)

TaskForce switchboard: 202-647-6611

P.S. The task force still does have real live people staffing it, especially on our night shift 11:00 PM – 7:00 AM

---

**From:** RMTFACTSU\_RM [mailto:RMTFACTSU\_RM@ofda.gov]  
**Sent:** Saturday, March 26, 2011 2:55 PM  
**To:** zTask Force 1 Mailbox; RMT\_FACTSU  
**Subject:** RE: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

Brian, you have the correct address. We have routed this information to the expanded DART in Tokyo and expect to have some feedback from them our Sunday AM...thanks...Justin

---

**From:** Brendel, Brian D [mailto:BrendelBD@state.gov] **On Behalf Of** zTask Force 1 Mailbox  
**Sent:** Saturday, March 26, 2011 2:47 PM  
**To:** RMT\_FACTSU  
**Subject:** FW: GOJ requests Hydraulic hoses with couplers & radioactive sheilding for vehicles as well as additional rprotective clothing

Dear RMT (I believe this is your correct email, please confirm):

Ambassador Fujisaki told EAP Acting A/S Joe Donovan that at the most recent meeting with the U.S. Embassy in Tokyo, Senior Advisor Hosono and his team requested hydraulic hoses with couplers and radioactive shielding for vehicles, as well as additional radioactive protective clothing.

---

**From:** Green, Christopher L  
**Sent:** Saturday, March 26, 2011 12:40 PM  
**To:** Zumwalt, James P; Campbell, Kurt M  
**Cc:** TaskForce-1 - Japan; JapanEmbassy, TaskForce; Loi, James L; Patel, Nirav S; EAP-J-Office-DL; Tong, Kurt W; Donovan, Joseph R  
**Subject:** 03 26 11 Donovan-Fujisaki meeting notes 1100

A/S Campbell, Jim,

Here are the call notes and action items from today's 11:00 a.m. call with Ambassador Fujisaki.



Regards,  
Christopher

Christopher Green  
Office of Japan Affairs  
U.S. Department of State  
Tel: (202) 647 2914  
Fax: (202) 647 4402

**PDAS Donovan call notes with Ambassador Fujisaki, March 26, 1100  
And Action Items**

GOJ Asks: Ambassador Fujisaki told EAP Acting A/S Joe Donovan that at the most recent meeting with the U.S. Embassy in Tokyo, Senior Advisor Hosono and his team requested hydraulic hoses with couplers and radioactive shielding for vehicles, as well as additional radioactive protective clothing.

Water: Donovan said that Costco has determined they have the capacity to provide up to 7 million bottles of water per week to Tokyo in 100 containers, each holding 70,000 bottles. Ambassador Fujisaki asked if Costco could make a public announcement on the delivery of bottled water.

Robots: Ambassador Fujisaki said that the robots and associated equipment was now going to be transported via Japan Airlines (JAL) and not FedEx. It is scheduled to depart Monday and will arrive Tuesday Japan time.

Barges and Hypothetical Bounding Models: Donovan said two U.S. Navy Barges holding fresh water left the port of Yokosuka on March 25 and 26, respectively, to add capacity to Freshwater + boric Acid spraying onto the reactors. He also said that the instruction cable on the plume models should be sent to Embassy Tokyo today. Ambassador Fujisaki asked how many tons of water. Donovan said we would follow up. (We have subsequently informed the Japanese Embassy that each barge holds 350,000 gallons of fresh water.)

Ambassador Fujisaki said that he thought things were going well with his exchanges with senior U.S. officials. He recently met with Dep Sec Poneman, Administrator Jackson, and Secretary Chu among others.

KMAX: Donovan requested that in meetings in Tokyo that the GOJ provide a clear plan for usage of the KMAX, and reiterated our request that the GOJ address indemnity issues by invoking the IAEA Convention on Nuclear Disasters.

The Ambassador explained that the GOJ was not familiar with the capabilities of KMAX and that it would be operated by Americans on the ground who would advise the best use for the equipment. This might be a redundancy, but the GOJ would still appreciate it. Donovan asked Ambassador Fujisaki to follow up with Special Advisor Hosono in Tokyo about invoking the IAEA convention. Ambassador Fujisaki said that the GOJ has been reluctant to invoke the Convention.

The next call with Ambassador Fujisaki is scheduled for Sunday, March 27, at 12:00 p.m.

**ACTION ITEMS**

**Bottled Water:** Embassy Tokyo: please determine if COSTCO or DART can make a public announcement.

**Lockheed Martin KMAX Helicopter:** Request Embassy Tokyo raise indemnity issue.

SBU  
This email is UNCLASSIFIED.

---

**From:** Monninger, John  
**Sent:** Sunday, March 27, 2011 9:25 AM  
**To:** Batkin, Joshua; Coggins, Angela  
**Subject:** Re: Chairman Jaczko travel

Looks great. All parties are excited to engage the Chairman.

John Monninger

(b)(6)

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

**From:** Batkin, Joshua  
**To:** Coggins, Angela  
**Cc:** Monninger, John; Brenner, Eliot  
**Sent:** Sun Mar 27 08:22:14 2011  
**Subject:** Fw: Chairman Jaczko travel

This looks good to me. Any feedback from him?

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

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

**From:** Chang, Benjamin <ChangBE@state.gov>  
**To:** Wall, Marc M <WallMM@state.gov>; Batkin, Joshua; Zumwalt, James P <ZumwaltJP@state.gov>  
**Cc:** Fuller, Matthew G <FullerMG@state.gov>; Brenner, Eliot; Phillips, Leslie M <PhillipsLM@state.gov>  
**Sent:** Sun Mar 27 04:26:51 2011  
**Subject:** Re: Chairman Jaczko travel

(+ Leslie, now in Tokyo)

A draft press plan - comments welcome:

Visit of NRC Chairman Jaczko 3-28-11

Press posture

Before arrival (note the Embassy has notified the Japanese government of his visit and is working on his schedule.):

- The NRC is not issuing any media advisory or announcement of the visit.
- If asked, they will confirm on background and refer inquiries for further details to the Embassy.
- If pressed on the short duration of the trip, they will point out that the Chairman is testifying before the Senate Appropriations Committee on Wednesday.

Embassy is not issuing any announcement of his visit.

If asked, we will, on background:

- confirm his visit,
- note that he is visiting his team and Japanese officials to demonstrate at the highest level our continued support and close cooperation.

Monday's Schedule:

It is likely that the Chairman will encounter press (reporters & cameras) as he exits his meetings at either the NISA, TEPCO, the Prime Minister's Office, or the Cabinet.

There may also be a camera spray laid on at the top of one of the meetings [NRC/ECON – can you raise this question with our counterparts? We would not press for one but it is their prerogative.]

The Chairman would not speak to the press but rather the Embassy will release a statement in his name at the conclusion of his meetings [worth considering issuing that statement before the Cabinet meeting given the late hour].

Draft press statement elements:

- I traveled to Tokyo today to convey directly to our Japanese friends a message of support and cooperation, and to visit our team here to express my appreciation for all they are doing as we work together to resolve this crisis.
- Our nuclear experts are working side-by-side with their Japanese counterparts, and we continue to share scientific information as we move forward to resolve this challenge.
- We will continue to stand with the people of Japan as they overcome this tragedy, and we stand ready to continue to provide any assistance we can in the days to come.
- As President Obama said, we will stand with the people of Japan as they recover from this hardship and rebuild their great nation; the friendship and alliance between our two nations is unshakable.

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

From: Chang, Benjamin

Sent: Sunday, March 27, 2011 01:30 AM

To: Wall, Marc M; 'Joshua.Batkin@nrc.gov' <Joshua.Batkin@nrc.gov>; Zumwalt, James P

Cc: Fuller, Matthew G; 'Eliot.Brenner@nrc.gov' <Eliot.Brenner@nrc.gov>

Subject: Re: Chairman Jaczko travel

Thank you.

All inquiries to the press section will come to me...

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

From: Wall, Marc M

Sent: Sunday, March 27, 2011 01:25 AM

To: Chang, Benjamin; 'Joshua.Batkin@nrc.gov' <Joshua.Batkin@nrc.gov>; Zumwalt, James P

Cc: Fuller, Matthew G; 'Eliot.Brenner@nrc.gov' <Eliot.Brenner@nrc.gov>

Subject: RE: Chairman Jaczko travel

We've informed MOFA, the Kantei, NISA, and TEPCO.

This email is UNCLASSIFIED

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

From: Chang, Benjamin  
Sent: Sunday, March 27, 2011 12:44 PM  
To: 'Joshua.Batkin@nrc.gov'; Zumwalt, James P  
Cc: Wall, Marc M; Fuller, Matthew G; 'Eliot.Brenner@nrc.gov'  
Subject: Re: Chairman Jaczko travel

Thanks

NRC is not issuing any sort of media advisory on the visit.

Do we know when we are informing the Japanese of the visit?

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

From: Batkin, Joshua [mailto:Joshua.Batkin@nrc.gov]  
Sent: Saturday, March 26, 2011 11:29 PM  
To: Chang, Benjamin; Zumwalt, James P  
Cc: Wall, Marc M; Fuller, Matthew G; Brenner, Eliot <Eliot.Brenner@nrc.gov>  
Subject: Re: Chairman Jaczko travel

+Eliot Brenner, NRC public affairs director.

Ben, good to talk to you. Sounds like you have a good plan and if we're asked about the trip here, we'll simply confirm on background that he's coming out to meet with US and GOJ counterparts, refer folks to the embassy for further details, and be ready to correct any mistaken notions that it is some sort of urgent trip by pointing out it is short simply because of his full schedule midweek, including testifying before the Senate Appropriations Energy and Water Subcommittee on Wednesday morning.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

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

From: Chang, Benjamin <ChangBE@state.gov>  
To: Zumwalt, James P <ZumwaltJP@state.gov>; Batkin, Joshua  
Cc: Wall, Marc M <WallMM@state.gov>; Fuller, Matthew G <FullerMG@state.gov>  
Sent: Sat Mar 26 22:44:51 2011  
Subject: Re: Chairman Jaczko travel

Hi, Joshua. We are primed here to be of support for the visit and the messaging.

I've been in touch with the NSC and discussed with the Ambassador and front office and think there is a way to keep this low-key while getting a solid positive message of support and partnership out as a result of his visit. Happy to discuss anytime.

Ben

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

From: Zumwalt, James P  
Sent: Saturday, March 26, 2011 10:33 PM  
To: 'Batkin, Joshua' <Joshua.Batkin@nrc.gov>; Chang, Benjamin  
Cc: Wall, Marc M; Fuller, Matthew G  
Subject: RE: Chairman Jaczko travel

Joshua --

The Ambassador agrees this visit should be low key. Ben Chang has been handling the public affairs aspects of this visit for the Embassy and I'll ask him to contact you directly to discuss.

Appreciate Ben if you could continue to cc this group on press issues.

Jim

James P. Zumwalt  
Deputy Chief of Mission  
U.S. Embassy, Tokyo  
1-10-5 Akasaka  
Minato ku Tokyo 107-8420  
(03) 3224-5550  
<http://tokyo.usembassy.gov/zblog/e/zblog-emain.html>

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

From: Batkin, Joshua [mailto:Joshua.Batkin@nrc.gov]  
Sent: Sunday, March 27, 2011 11:31 AM  
To: Zumwalt, James P  
Subject: Re: Chairman Jaczko travel

Thank you. Please let the us know how public you'd like the visit to be. The Chairman's expectation is that it will be low-key but he's also comfortable doing press if you think it would be beneficial. If so, can we ask for the support of the press person at the embassy whom the WH speaks highly of? Thank you and your staff again for all the support - the Chairman's looking forward to the visit. Please let me know if you or the Ambassador have any questions prior to his arrival monday morning.

Thanks,

Josh

(b)(6)

c

□

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

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

From: Zumwalt, James P <ZumwaltJP@state.gov>  
To: JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>; Batkin, Joshua

Cc: Wert, Robert A <WertRA@state.gov>; Bare, Robert A <BareRA@state.gov>; Hardin, Alexander K <HardinAK2@state.gov>; Wall, Marc M <WallMM@state.gov>; Forbes, James A <ForbesJA@state.gov>; Howard, E. Bruce <HowardEB@state.gov>; Cherry, Ronald C <CherryRC@state.gov>; Duncan, Aleshia D <DuncanAD@state.gov>; Fuller, Matthew G <FullerMG@state.gov>; Angelov, Bonnie A <AngelovBA@state.gov>; Basalla, Suzanne I <BasallaSI@state.gov>; Deming, Rust M <DemingRM@state.gov>; Pace, Patti; Coggins, Angela; Foggie, Kirk; Bradford, Anna; Webster, Jessica M (Hanoi) <WebsterJM@state.gov>  
Sent: Sat Mar 26 22:13:40 2011  
Subject: RE: Chairman Jaczko travel

Looping in Jessica Webster who is also working with the NRC team on planning this visit.

James P. Zumwalt  
Deputy Chief of Mission  
U.S. Embassy, Tokyo  
1-10-5 Akasaka  
Minato ku Tokyo 107-8420  
(03) 3224-5550  
<http://tokyo.usembassy.gov/zblog/e/zblog-emain.html>

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

From: JapanEmbassy, TaskForce  
Sent: Sunday, March 27, 2011 9:56 AM  
To: 'Batkin, Joshua'; JapanEmbassy, TaskForce  
Cc: Wert, Robert A; Bare, Robert A; Hardin, Alexander K; Wall, Marc M; Forbes, James A; Howard, E. Bruce; Cherry, Ronald C; Duncan, Aleshia D; Zumwalt, James P; Fuller, Matthew G; Angelov, Bonnie A; Basalla, Suzanne I; Deming, Rust M; Pace, Patti; Coggins, Angela; Foggie, Kirk; Bradford, Anna  
Subject: RE: Chairman Jaczko travel

Thanks Josh. I just spoke with Kirk Foggie and he will work directly with the Embassy's General Services Office (Robert Bare and Alex Hardin) on ground transportation and hotel reservations.

Cheers,  
Mike

This email is UNCLASSIFIED

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

From: Batkin, Joshua [mailto:Joshua.Batkin@nrc.gov]  
Sent: Sunday, March 27, 2011 9:43 AM  
To: JapanEmbassy, TaskForce  
Cc: Wert, Robert A; Bare, Robert A; Hardin, Alexander K; Wall, Marc M; Forbes, James A; Howard, E. Bruce; Cherry, Ronald C; Duncan, Aleshia D; Zumwalt, James P; Fuller, Matthew G; Angelov, Bonnie A; Basalla, Suzanne I; Deming, Rust M; Pace, Patti; Coggins, Angela; Foggie, Kirk; Bradford, Anna  
Subject: Re: Chairman Jaczko travel

Travelers: NRC Chairman Gregory B. Jaczko traveling on a diplomatic passport and his Policy Director Angela B. Coggins traveling on an official passport. (Neither have visas). Can you please also help with in-country transportation and hotel reservations? Please let me know if you need additional information and thank you so much for your assistance on short notice.

Here is their flight information:

Travel to Japan:

Saturday March 26th

United 924

IAD – LHR

10:05PM – 10:15AM

Sunday March 27th

Virgin Atlantic 900

LHR – Narita (NRT)

1:45PM – 9:30AM (Monday March 28th)

Return Travel to US:

Tuesday March 29

United 9682

NRT – IAD

11:05AM – 10:40AM (Same day)

Sincerely,  
Josh

(b)(6)

c

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

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

From: JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>

To: Batkin, Joshua

Cc: Wert, Robert A <WertRA@state.gov>; Bare, Robert A <BareRA@state.gov>; Hardin, Alexander K <HardinAK2@state.gov>; Wall, Marc M <WallMM@state.gov>; Forbes, James A <ForbesJA@state.gov>; Howard, E. Bruce <HowardEB@state.gov>; Cherry, Ronald C <CherryRC@state.gov>; Duncan, Aleshia D <DuncanAD@state.gov>; Zumwalt, James P <ZumwaltJP@state.gov>; JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>; Fuller, Matthew G <FullerMG@state.gov>; Angelov, Bonnie A <AngelovBA@state.gov>; Basalla, Suzanne I <BasallaSI@state.gov>; Deming, Rust M <DemingRM@state.gov>

Sent: Sat Mar 26 20:24:13 2011

Subject: RE: Chairman Jaczko travel



Josh,

Greetings from Tokyo. Could you please send us the flight information for the chairman and the names of the people in the traveling party?

Thanks,  
Mike Daschbach  
Embassy Japan Emergency Command Center

This email is UNCLASSIFIED

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

From: Forbes, James A  
Sent: Sunday, March 27, 2011 9:08 AM  
To: Bare, Robert A; JapanEmbassy, TaskForce; Hardin, Alexander K  
Cc: Wert, Robert A  
Subject: RE: Chairman Jaczko travel

And the number of people accompanying the chairman?

This email is UNCLASSIFIED

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

From: Bare, Robert A  
Sent: Sunday, March 27, 2011 9:07 AM  
To: JapanEmbassy, TaskForce; Hardin, Alexander K  
Cc: Forbes, James A; Wert, Robert A  
Subject: Re: Chairman Jaczko travel

Can the task force find out arrival details? Milair or commair?

Thanks,

Robert

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

From: JapanEmbassy, TaskForce  
To: Hardin, Alexander K; Bare, Robert A  
Cc: Forbes, James A; Wert, Robert A  
Sent: Sat Mar 26 19:58:57 2011  
Subject: FW: Chairman Jaczko travel

This email is UNCLASSIFIED-----Original Message-----

From: Horowitz, Paul D  
Sent: Sunday, March 27, 2011 8:56 AM  
To: JapanEmbassy, TaskForce  
Subject: Fw: Chairman Jaczko travel

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

From: Cherry, Ronald C  
To: Wall, Marc M; Horowitz, Paul D; Howard, E. Bruce; Duncan, Aleshia D  
Sent: Sat Mar 26 19:54:57 2011  
Subject: FW: Chairman Jaczko travel

Please note NRC Chairman visit -- could be tomorrow.

~~SBU~~

This email is UNCLASSIFIED

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

From: Russel, Daniel R. [mailto:(b)(6)]  
Sent: Sunday, March 27, 2011 8:06 AM  
To: Cherry, Ronald C; 'Steven.Aoki@nnsa.doe.gov'  
Subject: FW: Chairman Jaczko travel

FYI

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

From: Russel, Daniel R.  
Sent: Saturday, March 26, 2011 6:44 PM  
To: 'Batkin, Joshua'; John V. Roos (roosj@state.gov); James Zumwalt (ZumwaltJP@state.gov); Matthew G Fuller (FullerMG@state.gov); Angelov, Bonnie A; Basalla, Suzanne I  
Cc: Jaczko, Gregory; Bader, Jeffrey A.; Rust Deming (demingrm@state.gov); Donovan, Joseph R  
Subject: RE: Chairman Jaczko travel

Josh - Adding Embassy Tokyo contacts who can work directly with you. Also adding State Department.

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

From: Batkin, Joshua [mailto:Joshua.Batkin@nrc.gov]  
Sent: Saturday, March 26, 2011 6:37 PM  
To: Russel, Daniel R.; Bader, Jeffrey A.  
Cc: Jaczko, Gregory  
Subject: Chairman Jaczko travel

Gentleman - The Chairman is prepared to travel to Japan this weekend. The itinerary that works best is a departure later tonight, arrival in Tokyo in the morning on Monday (japan time) and a departure mid-day on Tuesday (japan time). Please confirm that works for the Embassy and we'll get him there. Thank you, Josh

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Coggins, Angela  
**Sent:** Sunday, March 27, 2011 8:34 AM  
**To:** Batkin, Joshua; Monninger, John  
**Subject:** Re: Chairman Visit / Press

(b)(5)

Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov](mailto:angela.coggins@nrc.gov)/301-415-1828

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

**From:** Batkin, Joshua  
**To:** Monninger, John; Coggins, Angela  
**Sent:** Sun Mar 27 08:21:42 2011  
**Subject:** Re: Chairman Visit / Press

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

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

**From:** Monninger, John  
**To:** Batkin, Joshua; Coggins, Angela  
**Sent:** Sun Mar 27 04:13:27 2011  
**Subject:** Chairman Visit / Press

Through arranging the meetings with the Japanese Government, word will/is out that the Chairman is coming.

(b)(5)

(b)(5)

John Monninger

(b)(6)

(DRAFT)

第2回リモートコントロール・プロジェクトチーム会合  
Remote Control Project Team Meeting #2

(平成23年3月28日(月) 11:00～ 経済産業省17階西2 国際会議室)  
(2011 Mar. 28 (Mon.) 11:00- METI (17F West-2) Int'l Conf Room)

アジェンダ  
Agenda

1. DOEから提供を受けることとした物品の詳細について  
(提出した質問に対するDOE側回答等)  
Details on the items that Japan has decided to receive from DOE  
(Incl. DOE response to Japan's previous inquiry)
2. 上記物品の輸送、受取り、教育等の周辺事項について  
Discussion on logistics for the above-mentioned items, such as  
transportation, delivery PoC and training
3. 今後のニーズについて(東京電力から説明)  
Discussion on future needs and requirements (TEPCO brief)

(参加省庁・企業)

経済産業省、原子力安全・保安院、外務省、国土交通省、防衛省  
東京電力、東芝、コマツ、大成建設  
米国政府

(Participant organizations)

METI, NISA, MOFA, MLIT, MOD  
TEPCO, Toshiba, Komatsu, Taisei  
US Government

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**From:** Foggie, Kirk  
**Sent:** Sunday, March 27, 2011 8:07 AM  
**To:** Jaczko, Gregory  
**Cc:** Batkin, Joshua; Monninger, John  
**Subject:** FW: In london

Mr. Chairman,

I meant to send this to you directly (see below). This is just a draft and will likely change by the time you get here.

Kirk

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

**From:** Foggie, Kirk  
**Sent:** Sunday, March 27, 2011 8:03 AM  
**To:** Coggins, Angela; Smith, Brooke  
**Cc:** Pace, Patti  
**Subject:** RE: In london

Angela ,

Here is a the draft itinerary, which is going to change (times), but it will give you a sense of what the Chairman's day will look like.

0930 Arrive Narita (flight)  
Met by DCM Jim Zumwalt, EconMinCouns Marc Wall, NRC Team Leader  
Dan Dorman and NRC Officer Kirk Foggie

1115 Arrive (b)(6)

1150 Walk to Embassy

1200 Meeting with Ambassador John V. Roos and Interagency Team  
Location: 9th Floor Conference Room  
Participants: Ambassador, Chairman, Coggins, Casto/Dorman, Foggie,  
DCM Jim Zumwalt, Econ Minister Counselor Marc Wall, Political Minister Counselor Rob Luke, DOE  
Attaché Ron Cherry, DAO, Ag Minister Counselor Wiggin, Alan Remick (DOE), Joe Hugart/Dr. Norm Coleman,  
Bill Berger (DART), USFJ (TBD)

Visit NRC staff room, Embassy, 1st floor (TBC)

1345 Depart in Embassy van

1400 Meeting with Cabinet Office Crisis Management Leadership  
Location: Cabinet Office/TEPCO (TBC)  
Participants: Special Advisor to the Prime Minister Goshi Hosono,  
Deputy Chief Cabinet Secretary Tetsuro Fukuyama (TBC)

1445 Depart in Embassy van; meet Ambassador Roos at METI

1500 Meeting with METI Minister Banri Kaieda (TBC)  
Participants: Minister, NISA, others TBD

Walk to NISA offices

1530 Meeting with Nuclear and Industrial Safety Administration (NISA)  
Director General Nobuaki Terasaka

1615 Depart for TEPCO in Embassy van

1630 Meeting with TEPCO Chairman Tsunehisa Katsumata and Executive  
Vice President and Representative Director Sakae Muto

TBD Return to hotel in Embassy car

TBD Depart for Cabinet Office in Embassy car

2000 Cabinet Office Crisis Management Meeting

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

From: Coggins, Angela  
Sent: Sunday, March 27, 2011 7:44 AM  
To: Smith, Brooke; Foggie, Kirk  
Subject: In london

(b)(5)

(b)(5) Angela Coggins Policy Director Office of Chairman Gregory B Jaczko US  
Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

---

**From:** Howard, E. Bruce <HowardEB@state.gov>  
**Sent:** Sunday, March 27, 2011 4:54 AM  
**To:** Cherry, Ronald C; Duncan, Aleshia D; (b)(6) Johnstone, Gregg M;  
Monninger, John  
**Cc:** Dorman, Dan; maria.miller@nrc.gov; Jackson, Todd; Shoemaker, Lori A; Quade,  
Christopher P  
**Subject:** Summary report of today's radiation health coordination group meeting

U.S.-Japan Radiation Health Coordination Group - initial meeting, March 27:

Led by Dr. Norman Coleman (NIH) on the U.S. side and Deputy Chief Cabinet Secretary Tetsuro Fukuyama on the Japanese side, the first meeting of the U.S.-Japan Radiation Health Coordination Group identified six key areas for cooperation: environmental assessment, dose reconstruction, stakeholder involvement, the immediate study of short half-life isotopes, water issues in the near-term recovery phase, and dissemination and administration of potassium iodine (KI). The nearly two-hour meeting focused on a pragmatic assessment of Japan's needs in these areas and ways the United States can assist with expertise or other resources. Both sides agreed on the value of this consultation, and DCCS Fukuyama will report on it to the evening meeting of the high-level U.S.-Japan Consultative Meeting for formal establishment. The next meeting is planned for the morning of March 29, to be chaired by Dr. Coleman and Dr. Makoto Akashi, director of the National Institute of Radiological Sciences Research Center. In that meeting, working groups for each of the six identified focus areas will be set up and populated.

Japanese participants in the meeting represented: the Cabinet Secretariat, the National Institute of Radiological Sciences, the Japan Radioisotope Association, the University of Tokyo Hospital, the Self Defense Forces Central Hospital, the Nuclear Safety Commission of Japan, the Ministry of Education, Culture, Sports, Science and Technology (MEXT), the Ministry of Health, Labor, and Welfare (MHLW), and the Ministry of Defense (MOD).

American participants represented: the National Institutes of Health (NIH), the Centers for Disease Control and Prevention (CDC), the Nuclear Regulatory Commission (NRC), and the Department of State.

(cleared by Dr. Coleman)

SBU  
This email is UNCLASSIFIED.

This email is UNCLASSIFIED.

---

**From:** saigai34@mext.go.jp  
**Sent:** Sunday, March 27, 2011 4:37 AM  
**To:** Monninger, John; hochevarar@inpo.org  
**Cc:** saigai03@mext.go.jp; akasaka@mext.go.jp; senami@mext.go.jp; saigai20@mext.go.jp; sakuma-yasuhiro@meti.go.jp; saigai35@mext.go.jp; saigai11@mext.go.jp  
**Subject:** Contact points about Radiation Monitors

Dear Mr. Monninger(NRC) and Mr. Hochevar(INPO)

On behalf of Mr. Kato ,Deputy Director-General, Higher Education Bureau, MEXT,Japan.

This mail is Registering contact points about Radiation Monitors (following ERC meeting).

\*\*\*\*\*

The contact point about Radiation Friskers - Hand and Foot monitors- is

Mr. Hideaki Kanehama  
( Tokyo Electric Power Company )  
TEL: 03-6373-5470  
E-mail: [kanehama.hideaki@tepcoco.jp](mailto:kanehama.hideaki@tepcoco.jp)

\*\*\*\*\*

The contact point about all kind of radiation monitors is

Mr.Masashi Kanamori  
(Director of Nuclear Emergency Assistance and Training Center on Japan Atomic Energy Agency)  
TEL: 029-264-2681  
FAX: 029-264-2682  
E-mail: [neat-i02@neat.gr.jp](mailto:neat-i02@neat.gr.jp)

\*\*\*\*\*

Sincerely.

Yutaka Hara  
Staff of Emergency Operation Center in MEXT,Japan  
tel: 03-5253-4111 ex4603  
e-mail: [saigai34@mext.go.jp](mailto:saigai34@mext.go.jp)



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**From:** Monninger, John  
**Sent:** Sunday, March 27, 2011 4:13 AM  
**To:** Batkin, Joshua; Coggins, Angela  
**Subject:** Chairman Visit / Press

Through arranging the meetings with the Japanese Government, word will/is out that the Chairman is coming.

(b)(5)

John Monninger

(b)(6)

---

**From:** Scott, Michael  
**Sent:** Sunday, March 27, 2011 2:46 AM  
**To:** RST01 Hoc; Taylor, Robert; Giessner, John; Blamey, Alan; Dorman, Dan; Casto, Chuck; Monninger, John  
**Subject:** Fw: ANS Technical Brief: MOX Fuel & Fukushima  
**Attachments:** ANS-Technical-Brief-MOX-Fukushima.pdf

Fyi

Sent from my NRC blackberry  
Michael Scott

(b)(6)

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

**From:** ANS Broadcasts <broadcasts@ans.org>  
**To:** Scott, Michael  
**Sent:** Sat Mar 26 09:23:50 2011  
**Subject:** ANS Technical Brief: MOX Fuel & Fukushima

The ANS Special Committee on Nuclear Non-Proliferation has prepared the attached Technical Brief on The Impact of Mixed Oxide Fuel Use on Accident Consequences at Fukushima Daiichi.

For additional Fukushima resources, visit the "Featured Content" box on the front page of the American Nuclear Society's website:

<http://www.ans.org/>




AMERICAN NUCLEAR SOCIETY

555 North Kensington Avenue  
La Grange Park, Illinois  
60526-5592 USA

Tel: 708 / 352-6611  
E-Mail: [NUCLEUS@ans.org](mailto:NUCLEUS@ans.org)  
<http://www.ans.org>  
Fax: 708 / 352-0499

Date: March 25, 2011

To: Joe Colvin  
ANS President

From: Michael (Mikey) Brady Raap   
Chair, ANS Professional Divisions Committee

Below please find the Technical Brief on The Impact of Mixed Oxide Fuel Use on Accident Consequences at Fukushima Daiichi. This Technical Brief contains factual information prepared by the ANS Special Committee on Nuclear Non-Proliferation.

### **The Impact of Mixed Oxide Fuel Use on Accident Consequences at Fukushima Daiichi**

**American Nuclear Society Technical Brief – March 2011**

#### **Conclusion**

Mixed Oxide (MOX) fuel has been used safely in nuclear power reactors for decades. The presence of a limited number of MOX fuel assemblies at Fukushima Daiichi Unit 3 has not had a significant impact on the ability to cool the reactor or on any radioactive releases from the site due to damage from the earthquake and tsunami.

#### **Summary**

At the time of the magnitude 9.0 earthquake, Fukushima Daiichi Unit 3 was operating with 32 mixed oxide (MOX) fuel assemblies and 516 low enriched uranium (LEU) fuel assemblies in its reactor core. In other words, less than 6% of the fuel in the Unit 3 core was MOX fuel. There were no other MOX fuel assemblies (new, in operation or used) at the Fukushima Daiichi plant at the time of the accident.

MOX fuel assemblies were loaded into Fukushima Daiichi Unit 3 for the first time in the fall of 2010. The MOX fuel had been used for less than five months at the time of the accident. Differences in initial fuel composition between MOX and LEU fuel can lead to differences in consequences (prompt fatalities and latent cancers) following a core damage event with releases to the environment.

There are indications that Fukushima Daiichi Unit 3 suffered damage to some of its core. The core damage resulted from a loss of core cooling due to damage to plant systems from the tsunami that followed the earthquake. The damage was not related to the presence of MOX fuel.

There have been no prompt fatalities as a result of radiation exposure from Fukushima Daiichi. Prompt evacuation has minimized radiation exposure to the public, so long-term public health consequences from radiation exposure are expected to be small. Given the small number of MOX fuel assemblies at Fukushima Daiichi Unit 3 at the time of the event, coupled with the short time of irradiation of the MOX fuel, it can be concluded that MOX fuel has had and will have no perceptible impact on any consequences from the event.

### **Background**

It is important to note that while LEU fuel begins its useful life with no plutonium, as it is used in a light water reactor it builds up plutonium as a result of the nuclear reactions in the core. By the end of its useful life an LEU fuel assembly contains about 1% plutonium actually generates more power from plutonium than from uranium. All reactor cores contain plutonium; those cores loaded with some MOX fuel contain more.

Mixed oxide (MOX) fuel is comprised of a blend of uranium oxide and plutonium oxide. MOX fuel is predominantly uranium, with average concentrations of plutonium that range from 3-10%. The presence of plutonium produces modest changes in some physical characteristics of the fuel material such as thermal conductivity. However, MOX fuel and low-enriched uranium (LEU) fuel are fundamentally similar. Moreover, the physical dimensions and structural material of a MOX fuel assembly are essentially identical to that of a LEU fuel assembly. To the naked eye, a MOX fuel assembly and a LEU fuel assembly are identical.

Nuclear power plants have been generating electricity for use by the public since the 1950s, and over those years the industry has compiled an enviable safety record. Today over 400 reactors worldwide generate substantial amounts of emissions-free electricity. Dozens of those reactors currently generate power using a mixture of conventional LEU fuel assemblies and MOX fuel assemblies in their reactor cores. The majority of the fuel loaded into these reactors is LEU (60-70% or more), while the remainder (30-40% or less) is MOX. The use of MOX fuel allows the re-use of plutonium that was recovered during nuclear fuel recycling operations. The fabrication and use of MOX fuel has been carried out safely and efficiently on an industrial scale since the 1970s. Safety authorities in France, Belgium, Germany, Switzerland and Japan have all approved the use of MOX fuel in light water reactors using the same rigorous standards that are applied for the licensing of LEU fuel.

Safety is the cornerstone of nuclear power plant operations. Nuclear power plant operators perform safety analyses to determine how the plants will respond during various “what if” problem scenarios. Some of those scenarios involve extreme conditions coupled with multiple equipment failures that lead to estimates of damage to the fuel in the reactor core. Scenarios with significant damage to the reactor core are referred to as severe accidents, and such accidents can result in the calculated release of radionuclides to the environment. Severe accident consequences are the adverse public health effects – fatalities and latent cancers – that arise from the offsite release of radionuclides from a damaged reactor core.

When uranium or plutonium atoms split (fission), they release a relatively large amount of energy which is converted into heat and eventually electricity. The smaller atoms left behind after fission are referred to as fission products. In addition, some of the uranium and plutonium atoms in nuclear fuel assemblies absorb neutrons without fissioning, becoming even heavier atoms called actinides. Both fission products and actinides are radioactive, posing a health hazard if they are released to the environment. Using MOX fuel alters somewhat the “source term,” or mix of radionuclides in the core and available for release following a severe accident. The different source term between MOX fuel and LEU fuel leads to different calculated consequences following a postulated severe accident.

In November 1999 the Department of Energy published the Surplus Plutonium Disposition Environmental Impact Statement which documented, among other things, the consequences of four severe accident scenarios at three different reactors using some MOX fuel derived from weapons grade plutonium. Each reactor accident sequence was analyzed with two different reactor core assumptions: a reference case with all LEU fuel, and a second case with a mixed core of approximately 40% MOX fuel and the remainder LEU fuel. For each case the severe accident was assumed to progress in the same manner. Relative to the reference case with all LEU fuel, the offsite consequences to the public with the mixed MOX-LEU core ranged from 4% lower to 22% higher, depending on the reactor studied and the accident sequence. Most cases resulted in consequence increases of 10% or less. The differences between the consequences relate back to differences in the source term. The mixed MOX-LEU core consequences were generally higher because of the presence of more radioactive actinides in the MOX fuel at the time of the postulated accident. However, the differences were modest compared to the uncertainty associated with the consequence calculations for these extremely low probability events.

The type of plutonium used in MOX fuel can also impact severe accident consequences. The aforementioned analysis assumed weapons grade plutonium. If the calculations had been done for MOX fuel containing plutonium from recycled commercial nuclear fuel, as is the practice in Europe and Asia today, the difference between the all uranium cases and the 40% MOX fuel consequences would have been greater than cited above. This is again due primarily to the presence of more radioactive actinides in used “reactor grade” MOX fuel (with plutonium from recycled reactor fuel) than in used weapons grade MOX fuel (with plutonium from retired nuclear weapons).

Turning to the Fukushima Daiichi reactors in Japan, Unit 3 was using some reactor grade MOX fuel at the time of the March 2011 earthquake. Had it been using a 40% MOX fuel core, one could expect an increase in severe accident consequences on the order of 10% for weapons grade MOX. With a 40% reactor grade MOX core, and applying a bounding factor of four increase relative to weapons grade MOX, the overall increase in severe accident consequences would have been on the order of 40% relative to the all LEU fuel case. However, Unit 3 was loaded with only 32 MOX fuel assemblies during refueling operations in the fall of 2010. There are a total of 548 fuel assemblies in the Unit 3 reactor core, so this represents less than 6% of the total fuel in the core. The MOX fuel had been operating in Unit 3 for less than five months; fuel assemblies are typically used for a total of 3-4 years in reactor cores before being replaced by new fuel and discharged to used fuel pools. Therefore, the MOX fuel would have built up relatively few radioactive fission products and actinides at the time of the earthquake and subsequent damage to the reactor core. With these facts in mind – the low percentage of MOX fuel in the core and the short operation time for the MOX fuel – it is evident that the presence of MOX fuel at Fukushima Daiichi Unit 3 has had no significant impact on the offsite releases of radioactivity following the earthquake and tsunami.

Other than the 32 MOX fuel assemblies in the Unit 3 reactor core, at the time of the earthquake there were no other MOX fuel assemblies (new or used) at the Fukushima Daiichi plant. The problems encountered at Fukushima Daiichi reactors stem from plant damage due to the tsunami that followed the earthquake, not the use of MOX fuel in Unit 3.

It is also important to put the public health consequences from the event in perspective. There have been no prompt fatalities as a result of radiation exposure. Moreover, prompt evacuation has minimized the exposure of the population to radiation. At this point, the consequences of the event are expected to be small. MOX fuel effects, if any, would be a small change to an already small number.

In conclusion, MOX fuel has been used safely in nuclear power reactors for decades. The presence of a limited number of MOX fuel assemblies at Fukushima Daiichi Unit 3 has not had a significant impact on the ability to cool the reactor or on any radioactive releases from the site due to damage from the earthquake and tsunami.

---

**From:** Scott, Michael  
**Sent:** Sunday, March 27, 2011 2:33 AM  
**To:** Giessner, John; Taylor, Robert; Blamey, Alan; Ali, Syed; Sheikh, Abdul  
**Cc:** Dorman, Dan; Casto, Chuck; Monninger, John  
**Subject:** Fw: Status & Recommendations 3-26-11 21 hrs.docx  
**Attachments:** Status & Recommendations 3-26-11 21 hrs.docx

(b)(5)

Thanks

Sent from my NRC blackberry  
Michael Scott

(b)(6)

---

**From:** RST01 Hoc  
**To:** Blamey, Alan; Casto, Chuck; Dorman, Dan; GE Hitachi <GE.HitachiNuclearResponseTeam@ge.com>; Giessner, John; INPO ERC Main <inpoerc@inpo.org>; INPO ERC Tech <inpoerctech@inpo.org>; John Kelly - DOE <johne.kelly@nuclear.energy.gov>; Monninger, John; Richard Stark - DOE <Richard.Stark@nuclear.energy.gov>; Rob Versluis - DOE <ROB.VERSLUIS@nuclear.energy.gov>; RST01B Hoc; RST03 Hoc; Sal Golub - DOE <sal.golub@nuclear.energy.gov>; Scott, Michael; Taylor, Robert  
**Cc:** Ruland, William; RST07 Hoc; RST08 Hoc; RST09 Hoc; RST03 Hoc; LIA07 Hoc; Orr, Mark  
**Sent:** Sat Mar 26 22:55:51 2011  
**Subject:** Status & Recommendations 3-26-11 21 hrs.docx

Team:

Attached is the RST's Consensus Assessment of Fukushima Daiichi Units with input from the team.

Mark Orr  
RST Coordinator

---

**From:** Monninger, John  
**Sent:** Sunday, March 27, 2011 1:36 AM  
**To:** 'ChipmanA@state.gov'  
**Subject:** Re: About Pure Water meeting(MOD MAJ Sato)

We are at the gate.  
John Monninger

(b)(6)

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

From: Chipman, Alan R <ChipmanA@state.gov>  
To: Monninger, John; Young, Joseph M <YoungJM@state.gov>; McCormack, Matthew C <McCormackMC@state.gov>  
Cc: Johnstone, Gregg M <johnstonegm@state.gov>; Penaranda, Luis D <PenarandaLD@state.gov>;  
joseph.hughart@foh.hhs.gov <joseph.hughart@foh.hhs.gov>  
Sent: Sun Mar 27 01:03:27 2011  
Subject: RE: About Pure Water meeting(MOD MAJ Sato)

(b)(5)

Joe Hughart can be reached at 090-1100-2870 for any health questions you may have.

Thanks and see you soon

Alan

This email is UNCLASSIFIED

Alan R. Chipman  
Regional Security Officer  
American Embassy Tokyo

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

From: Monninger, John [mailto:John.Monninger@nrc.gov]  
Sent: Sunday, March 27, 2011 1:53 PM  
To: Young, Joseph M; Chipman, Alan R; McCormack, Matthew C  
Cc: Johnstone, Gregg M  
Subject: Re: About Pure Water meeting(MOD MAJ Sato)

Probably 45 minutes. We diverted to the AFB and they checked for contamination.

John Monninger

(b)(6)

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

From: Young, Joseph M <YoungJM@state.gov>



To: Chipman, Alan R <ChipmanA@state.gov>; McCormack, Matthew C <McCormackMC@state.gov>  
Cc: Monninger, John; Johnstone, Gregg M <johnstonegm@state.gov>  
Sent: Sun Mar 27 00:46:03 2011  
Subject: Re: About Pure Water meeting(MOD MAJ Sato)

(b)(5)

Thanks,  
Joe

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

From: Chipman, Alan R  
To: Young, Joseph M; McCormack, Matthew C  
Cc: 'john.monninger@nrc.gov' <john.monninger@nrc.gov>; Johnstone, Gregg M  
Sent: Sun Mar 27 00:30:25 2011  
Subject: RE: About Pure Water meeting(MOD MAJ Sato)

Thanks Joe

(b)(5)

Let us know when they are expected

Thanks

Alan

This email is UNCLASSIFIED

Alan R. Chipman  
Regional Security Officer  
American Embassy Tokyo

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

From: Young, Joseph M  
Sent: Sunday, March 27, 2011 1:10 PM  
To: Chipman, Alan R; McCormack, Matthew C  
Subject: Fw: About Pure Water meeting(MOD MAJ Sato)

Alan/Matt: Just a quick note that the NRC's John Monninger and Chuck Casto are headed back from J-Village. John has a BB with him, so if you need to communicate with him, you can probably do so directly. Would be john.monninger@nrc.gov.

Joe  
Joe

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

From: Monninger, John <John.Monninger@nrc.gov>  
To: Young, Joseph M; Dorman, Dan <Dan.Dorman@nrc.gov>; Scott, Michael <Michael.Scott@nrc.gov>; Nakanishi, Tony <Tony.Nakanishi@nrc.gov>  
Sent: Sat Mar 26 23:57:05 2011  
Subject: Re: About Pure Water meeting(MOD MAJ Sato)

Heading back now. (b)(5)

John Monninger

(b)(6)

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

From: Young, Joseph M <YoungJM@state.gov>  
To: Monninger, John; Dorman, Dan; Scott, Michael; Nakanishi, Tony  
Sent: Sat Mar 26 20:44:01 2011  
Subject: Re: About Pure Water meeting(MOD MAJ Sato)

John: Correct, there will be no 2:00 meeting today at MOD. How are things shaping up for J-Village? Admiral Rowden told me last night that he was working on arrangements.  
Joe

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

From: Monninger, John <John.Monninger@nrc.gov>  
To: Young, Joseph M; Dorman, Dan <Dan.Dorman@nrc.gov>; Scott, Michael <Michael.Scott@nrc.gov>; Nakanishi, Tony <Tony.Nakanishi@nrc.gov>  
Sent: Sat Mar 26 20:40:21 2011  
Subject: Re: About Pure Water meeting(MOD MAJ Sato)

Joe

It is not clear to me which meeting is cancelled. Is this the 2:00 mtg at MoD where we have been discussing the fresh water. I call that meeting the MoD working group mtg.

Thanks  
John M

John Monninger

(b)(6)

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

From: 佐藤 佳久 <satouyosh@mod.go.jp>  
To: Young, Joseph M <YoungJM@state.gov>  
Cc: Monninger, John; jin.lim@dtra.gov <jin.lim@dtra.gov>; Tokyo PolMil Unit <TokyoPolMilUnit@state.gov>; Kimura, Ayako <KimuraAX@state.gov>; Oikawa, Yufuko <OikawaYX@state.gov>; Tanaka, Rodney CIV MDAO <(b)(6)>; Tanaka, Rodney S <TanakaRS@state.gov>; Morales, Russell A <MoralesRA@state.gov>; Huntington, Miki T LTC USA USFJ J5 <(b)(6)>; USFJ-CAT-J5 <(b)(6)>; 佐藤 佳久 <satouyosh@mod.go.jp> <(b)(6)>; 佐藤 佳久 <satouyosh@mod.go.jp>  
Sent: Sat Mar 26 09:28:26 2011  
Subject: About Pure Water meeting(MOD MAJ Sato)

Dear Mr. Young, sir:

We don't have "Pure Water" project team meeting, tomorrow.

Sincerely yours,

MAJ Sato

---

MAJ Yoshihisa SATO

Defense Policy Division, Bureau of Defense Policy, Ministry of Defense (MOD), JAPAN

Tel:+81-3-3268-3111(ext20362)

Fax:+81-3-5229-2135

E-MAIL : [satouyosh@mod.go.jp](mailto:satouyosh@mod.go.jp)

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**From:** Penaranda, Luis D <PenarandaLD@state.gov>  
**Sent:** Sunday, March 27, 2011 1:19 AM  
**To:** Monninger, John  
**Subject:** Out of Office AutoReply: About Pure Water meeting(MOD MAJ Sato)

I will be out of the office from Mar 18 until May 16, 2011. Please contact Natasha Heck at [hecknp@state.gov](mailto:hecknp@state.gov) for assistance.

---

**From:** Monninger, John  
**Sent:** Sunday, March 27, 2011 12:37 AM  
**To:** Foggie, Kirk; Casto, Chuck  
**Cc:** Dorman, Dan  
**Subject:** Re: What is your ETA back at the Embassy....

Correction. We are at an AFB. I'll get back to you.

John Monninger

(b)(6)

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**From:** Foggie, Kirk  
**To:** Casto, Chuck; Monninger, John  
**Cc:** Dorman, Dan  
**Sent:** Sat Mar 26 23:48:11 2011  
**Subject:** What is your ETA back at the Embassy....

(b)(5)

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**From:** JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>  
**Sent:** Sunday, March 27, 2011 12:09 AM  
**To:** TOKYO ECON Americans; TOKYO POL Americans; Webster, Jessica M (TDY/ECN); Fitzgerald, Paul M; Kelley, Karen D (IO/Tokyo); Christopher, William W; Beed, John A; Berger, William (RDMA/OFDA); Basalla, Suzanne I; Fuller, Matthew G; Angelov, Bonnie A; Casto, Chuck; Monninger, John; Ulses, Anthony; Damian Peko; Foggie, Kirk; Morales, Russell A; Mears, Jeremy M; Johnstone, Gregg M; Joe Hughart HHS; Zumwalt, James P  
**Subject:** FW: Official notice(26/03/2011) Documents of the briefing  
**Attachments:** document 1.tif; document 2.tif; document 3.tif; document 4.tif; document 5.tif; document 6.tif; document 7.tif; document 8.tif; document 9.tif

This email is UNCLASSIFIED.

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**From:** PROTOCOLOFFICE-EM [mailto:protocoloffice-em@mofa.go.jp]  
**Sent:** Saturday, March 26, 2011 6:57 PM  
**To:** PROTOCOLOFFICE-EM  
**Subject :** Official notice(26/03/2011) Documents of the briefing

—Urgent—  
**Official Notice**  
(26 March 2011)

< /o:p>

To All Missions (Embassies, Consular posts and International Organizations in Japan)

Ministry of Foreign Affairs has the honour to send for the perusal of Missions, documents which were distributed at the briefing on 26th March, 2011 at 17:00 for your reference.

List of attachments

1. List of briefers from Ministries other than the MOFA (26th, March)
2. Press Release - Detection of radioactive materials in tap water (6<sup>th</sup> announcement) --Chiba Prefecture and Fukushima Prefecture--, 24 March, 2011) (Ministry of Health, Labour and Welfare)
3. Levels of radioactive contaminants in foods (data reported on 25 March 2011) (Ministry of Health, Labour and Welfare)
4. News Release - Survey result of workers' exposure in the turbine building of Unit 3 of Fukushima Dai-ichi NPS, 25 March, 2011) (Nuclear and Industrial Safety Agency)

5. News Release – Regarding the result of concentration measurement in the stagnant water on the basement floor of the turbine building of Unit 1 of Fukushima Dai-ichi NPS (March 26, 2011) (Nuclear and Industrial Safety Agency)
6. News Release - Seismic damage information (the 52<sup>nd</sup> Release, As of 19:30 March 25<sup>th</sup>, 2011) (Nuclear and Industrial Safety Agency)
7. News Release - Seismic damage information (the 53<sup>rd</sup> Release, As of 08:00 March 25<sup>th</sup>, 2011) (Nuclear and Industrial Safety Agency)
8. Fukushima Dai-ichi Nuclear Power Station – Major parameters of the plant (As of 06:00 March 26<sup>th</sup>) (Nuclear and Industrial Safety Agency)
9. Conditions of Fukushima Dai-ichi Nuclear Power Station Unit 1 (As of 06:00 March 26<sup>th</sup>, 2011) (Nuclear and Industrial Safety Agency)

(END)

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**From:** Young, Joseph M <YoungJM@state.gov>  
**Sent:** Sunday, March 27, 2011 12:05 AM  
**To:** Monninger, John  
**Subject:** Re: About Pure Water meeting(MOD MAJ Sato)

That's too bad, John. Will see you later today.  
Joe

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

**From:** Monninger, John <John.Monninger@nrc.gov>  
**To:** Young, Joseph M; Dorman, Dan <Dan.Dorman@nrc.gov>; Scott, Michael <Michael.Scott@nrc.gov>; Nakanishi, Tony <Tony.Nakanishi@nrc.gov>  
**Sent:** Sat Mar 26 23:57:05 2011  
**Subject:** Re: About Pure Water meeting(MOD MAJ Sato)

Heading back now.

(b)(5)

John Monninger

(b)(6)

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

**From:** Young, Joseph M <YoungJM@state.gov>  
**To:** Monninger, John; Dorman, Dan; Scott, Michael; Nakanishi, Tony  
**Sent:** Sat Mar 26 20:44:01 2011  
**Subject:** Re: About Pure Water meeting(MOD MAJ Sato)

John: Correct, there will be no 2:00 meeting today at MOD. How are things shaping up for J-Village? Admiral Rowden told me last night that he was working on arrangements.  
Joe

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

**From:** Monninger, John <John.Monninger@nrc.gov>  
**To:** Young, Joseph M; Dorman, Dan <Dan.Dorman@nrc.gov>; Scott, Michael <Michael.Scott@nrc.gov>; Nakanishi, Tony <Tony.Nakanishi@nrc.gov>  
**Sent:** Sat Mar 26 20:40:21 2011  
**Subject:** Re: About Pure Water meeting(MOD MAJ Sato)

Joe

It is not clear to me which meeting is cancelled. Is this the 2:00 mtg at MoD where we have been discussing the fresh water. I call that meeting the MoD working group mtg.

Thanks  
John M

John Monninger



(b)(6)

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

From: 佐藤 佳久 <satouyosh@mod.go.jp>

To: Young, Joseph M <YoungJM@state.gov>

Cc: Monninger, John; jin.lim@dtra.gov <jin.lim@dtra.gov>; Tokyo PolMil Unit <TokyoPolMilUnit@state.gov>; Kimura, Ayako <KimuraAX@state.gov>; Oikawa, Yufuko <OikawaYX@state.gov>; Tanaka, Rodney CIV MDAO

(b)(6); Tanaka, Rodney S <TanakaRS@state.gov>; Morales, Russell A <MoralesRA@state.gov>; Huntington, Miki T LTC USA USFJ J54 (b)(6); USFJ-CAT-J5 (b)(6); 佐藤 佳久 <satouyosh@mod.go.jp> (b)(6); 佐藤 佳久 <satouyosh@mod.go.jp>

Sent: Sat Mar 26 09:28:26 2011

Subject: About Pure Water meeting(MOD MAJ Sato)

Dear Mr. Young, sir:

We don't have "Pure Water" project team meeting, tomorrow.

Sincerely yours,  
MAJ Sato

-----  
MAJ Yoshihisa SATO

Defense Policy Division, Bureau of Defense Policy, Ministry of Defense (MOD), JAPAN

Tel: +81-3-3268-3111(ext20362)

Fax: +81-3-5229-2135

E-MAIL : [satouyosh@mod.go.jp](mailto:satouyosh@mod.go.jp)  
-----

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**From:** Monninger, John  
**Sent:** Saturday, March 26, 2011 11:54 PM  
**To:** Foggie, Kirk; Casto, Chuck  
**Cc:** Dorman, Dan  
**Subject:** Re: What is your ETA back at the Embassy...

On the helo now. Should be in Tokyo by 1:30. To Embassy at 2:00 the earliest.

(b)(6)

today.  
John Monninger

(b)(6)

---

**From:** Foggie, Kirk  
**To:** Casto, Chuck; Monninger, John  
**Cc:** Dorman, Dan  
**Sent:** Sat Mar 26 23:48:11 2011  
**Subject:** What is your ETA back at the Embassy....

(b)(5)

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**From:** Fuller, Matthew G <FullerMG@state.gov>  
**Sent:** Saturday, March 26, 2011 10:18 PM  
**To:** Casto, Chuck; Foggie, Kirk; Monninger, John; Dorman, Dan  
**Subject:** Chairman's schedule

Gentlemen: let's talk about the Chairman's time on the ground here as soon as possible. Could you stop by when you're back in the building or call me and I'll come down? I'll be working to help you build an itinerary in line with the Ambassador's guidance. Thanks.

Matt

Matthew G. Fuller  
Special Assistant to Ambassador John V. Roos  
U.S. Embassy Tokyo  
03-3224-5554 (desk), (b)(6) (mobile)  
[Twitter.com/AmbassadorRoos](https://twitter.com/AmbassadorRoos)

This email is UNCLASSIFIED.

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**From:** 佐藤 隆 <satoh.takashi@tepcoco.jp>  
**Sent:** Saturday, March 26, 2011 9:25 PM  
**To:** Nakanishi, Tony; bannai-toshihiro@meti.go.jp  
**Cc:** nei-hisanori; Dorman, Dan; Monninger, John; Foggie, Kirk; Scott, Michael  
**Subject:** Re: NRC Meetings for March 27, 2011

Dear Tony,

Thank you for the information.

See you at the TEPCO building lobby.

Takashi Sato  
TEPCO

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

From: "Nakanishi, Tony" <Tony.Nakanishi@nrc.gov>  
To: <bannai-toshihiro@meti.go.jp>; "???" <satoh.takashi@tepcoco.jp>  
Cc: "nei-hisanori" <nei-hisanori@meti.go.jp>; "Dorman, Dan" <Dan.Dorman@nrc.gov>; "Monninger, John" <John.Monninger@nrc.gov>; "Foggie, Kirk" <Kirk.Foggie@nrc.gov>; "Scott, Michael" <Michael.Scott@nrc.gov>  
Sent: Sunday, March 27, 2011 9:33 AM  
Subject: NRC Meetings for March 27, 2011

> Bannai-sama, Sato-sama,  
>  
> Please find the attached document with the schedule for NRC meetings  
> today.  
>  
> Best Regards,  
>  
> Tony Nakanishi  
> USNRC  
>  
>

---

**From:** Monninger, John  
**Sent:** Saturday, March 26, 2011 9:06 PM  
**To:** 'YoungJM@state.gov'; Dorman, Dan; Scott, Michael; Nakanishi, Tony  
**Subject:** Re: About Pure Water meeting(MOD MAJ Sato)

On the flight now. Damage on ground on way up quite apparent.  
John Monninger

(b)(6)

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

From: Young, Joseph M <YoungJM@state.gov>  
To: Monninger, John; Dorman, Dan; Scott, Michael; Nakanishi, Tony  
Sent: Sat Mar 26 20:44:01 2011  
Subject: Re: About Pure Water meeting(MOD MAJ Sato)

John: Correct, there will be no 2:00 meeting today at MOD. How are things shaping up for J-Village? Admiral Rowden told me last night that he was working on arrangements.  
Joe

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

From: Monninger, John <John.Monninger@nrc.gov>  
To: Young, Joseph M; Dorman, Dan <Dan.Dorman@nrc.gov>; Scott, Michael <Michael.Scott@nrc.gov>; Nakanishi, Tony <Tony.Nakanishi@nrc.gov>  
Sent: Sat Mar 26 20:40:21 2011  
Subject: Re: About Pure Water meeting(MOD MAJ Sato)

Joe

It is not clear to me which meeting is cancelled. Is this the 2:00 mtg at MoD where we have been discussing the fresh water. I call that meeting the MoD working group mtg.

Thanks  
John M

John Monninger

(b)(6)

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

From: 佐藤 佳久 <satouyosh@mod.go.jp>  
To: Young, Joseph M <YoungJM@state.gov>  
Cc: Monninger, John; jin.lim@dtra.gov <jin.lim@dtra.gov>; Tokyo PolMil Unit <TokyoPolMilUnit@state.gov>; Kimura, Ayako <KimuraAX@state.gov>; Oikawa, Yufuko <OikawaYX@state.gov>; Tanaka, Rodney CIV MDAO <(b)(6)>; Tanaka, Rodney S <TanakaRS@state.gov>; Morales, Russell A <MoralesRA@state.gov>; Huntington, Miki T LTC USA USFJ J54 <(b)(6)>; USFJ-CAT-J5 <(b)(6)>; 佐藤 佳久 <satouyosh@mod.go.jp>; <(b)(6)>; 佐藤 佳久 <satouyosh@mod.go.jp>

Sent: Sat Mar 26 09:28:26 2011

Subject: About Pure Water meeting(MOD MAJ Sato)

Dear Mr. Young, sir:

We don't have "Pure Water" project team meeting, tomorrow.

Sincerely yours,  
MAJ Sato

-----  
MAJ Yoshihisa SATO  
Defense Policy Division, Bureau of Defense Policy, Ministry of Defense (MOD), JAPAN  
Tel:+81-3-3268-3111(ext20362)  
Fax:+81-3-5229-2135  
E-MAIL : [satouyosh@mod.go.jp](mailto:satouyosh@mod.go.jp)  
-----

---

**From:** Batkin, Joshua  
**Sent:** Saturday, March 26, 2011 9:03 PM  
**To:** Foggie, Kirk; Monninger, John; Casto, Chuck  
**Subject:** Fw: Phone nos.

Here's their international blackberry numbers. Take good care of them!

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

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

**From:** Coggins, Angela  
**To:** LIA03 Hoc; Pace, Patti; Batkin, Joshua  
**Sent:** Sat Mar 26 20:53:32 2011  
**Subject:** Phone nos.

Angela's -

Chairman's

Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

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**From:** Cherry, Ronald C <CherryRC@state.gov>  
**Sent:** Saturday, March 26, 2011 8:34 PM  
**To:** Dorman, Dan; Monninger, John  
**Cc:** Duncan, Aleshia D  
**Subject:** TEPCO-NRC Call last night

Dan, John –

I received a query from DOE HQ asking for an update from an 0300 call that involved TEPCO and NRC. Apparently the subject had to do with flooding the containments at Fukushima Daiichi.

Could either of you give me an update on this? Or I'd be happy to put you in touch with the person in DOE who's asking.

Thanks.

Ron

Ronald C. Cherry  
Energy Attaché  
Director, DOE Japan Office  
U.S. Embassy Tokyo  
Tel. (0)3-3224-5444  
Fax (0)3-3224-5769  
Cell (b)(6)  
email [CherryRC@state.gov](mailto:CherryRC@state.gov)

SBU  
This email is UNCLASSIFIED.



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**From:** Nakanishi, Tony  
**Sent:** Saturday, March 26, 2011 8:34 PM  
**To:** bannai-toshihiro@meti.go.jp; '?? ?'  
**Cc:** nei-hisanori; Dorman, Dan; Monninger, John; Foggie, Kirk; Scott, Michael  
**Subject:** NRC Meetings for March 27, 2011  
**Attachments:** NRC meetings 03-27-11.docx

Bannai-sama, Sato-sama,

Please find the attached document with the schedule for NRC meetings today.

Best Regards,

Tony Nakanishi  
USNRC

NRC meetings scheduled for March 27, 2011

	<u>Location</u>
1100 NISA/TEPCO daily status	TEPCO
1400 NISA – Shielding / Confinement Taskforce	NISA
1400 MOD – Crisis Management	MOD
1430 NISA – Health Effects Taskforce	NISA
1600 NISA – Spent Fuel Removal Taskforce	NISA
2000 Cabinet meeting	Kantei

Note: Department of Energy is participating in the Robotics Taskforce meetings.

---

**From:** Webster, Jessica M (TDY/ECN) <TDYWebsterJM@state.gov>  
**Sent:** Saturday, March 26, 2011 8:21 PM  
**To:** JapanEmbassy, TaskForce  
**Cc:** [redacted] (b)(6); Cherry, Ronald C; Monninger, John; Dorman, Dan; Cherry, Ronald C; [redacted] (b)(6); Duncan, Aleshia D  
**Subject:** 2011 0326 Crisis management meeting notes  
**Attachments:** 2011 0326 Crisis management meeting notes (Final).docx

Attached are final (cleared) notes from the March 26 8 pm crisis management team meeting.

No substantive corrections from draft.

Jessica

SBU  
This email is UNCLASSIFIED.

Cabinet Office Crisis Management Team Meeting Notes (Final)

March 26, 2011

1. USG and GOJ interagency crisis management teams met at 2000 on March 26, led on the U.S. side by Econ Minister Counselor Marc Wall, NRC Team Lead Chuck Casto, RADM Thomas Rowden and USFJ Deputy Commander BG Blake Crowe. Special Advisor to the Prime Minister Hosono, DCCS Fukuyama and Nagashima showed an increasingly active role in the discussion.
2. Following up on the U.S. proposal to establish communication between HHS's radiation medicine specialist Dr. Norm Coleman and Japanese experts, DCCS Tetsuro Fukuyama said he would like to meet on March 27 (1430) with Dr. Coleman, bringing in MOD and the Research Institute for Radiological Medicine. Fukuyama also reported that Japan had established contact with a team of experts at Pacific Northwest National Laboratories, facilitated by DOE, but asked to incorporate PNL into the three project team established March 26 to minimize distractions from ongoing cooperation. DOE agreed that this was a good approach to ensure the best coordination.
3. In TEPCO's update of conditions at the Fukushima Daiichi plant:
  - water to reactor 2 was converted to boronated fresh water at 10:10
  - fresh water is being supplied to reactors 1, 2 and 3
  - lighting was restored in the reactor 2 central operations room at 16:46
  - Unfortunately, there is highly contaminated water on underground floors in turbine buildings at units 1, 2 and 3. Water was being removed from unit 1; options were under review for units 2 and 3. When questioned, TEPCO said the contaminated water from unit 1 was being placed in a condensate water tank within the building.
4. Hosono stressed his support for active engagement with the U.S. team through the working groups and in discussions with TEPCO, but expressed caution about a U.S. request to allow USFC and NRC officials to visit J-Village and the Fukushima Daiichi site. Although Japan was carefully considering the request, it was concerned about visitor health and increased demands on employees at the site. Should Japan approve a visit, Hosono asked that a single small group travel and that information from the visit be shared, and not released publicly without prior consultation. RADM Rowden emphasized the value of being able to engage with TEPCO engineers on site about their strategy for addressing the many issues at Fukushima Daiichi, proposing that up to five U.S. officials make a day trip for that purpose; separately, a smaller group would welcome the opportunity of a longer visit to ask questions and advise, in both cases on the conditions set out by Hosono. TEPCO laid out why such engagement should occur in Tokyo, where TEPCO strategy was defined; Hosono proposed that the U.S. team and TEPCO meet on March 27 in Tokyo and that he would ensure that a productive strategic-level

discussion took place. If additional information were needed, TEPCO would arrange a further information exchange with its engineers. Hosono acknowledged that communication had not been sufficient and would look address this. (comment: arrangements were subsequently confirmed for U.S. team travel to J-Village March 27).

5. Akihisa Nagashima reviewed the outcome of the first meeting of working groups launched on March 26:

- a. Shielding. Reactor cooling was the highest priority but emissions of radioactive materials continued, increasing levels of environmental contamination. Shielding was therefore urgent. He proposed new efforts to deal with shielding, involving private sector engineers, to begin March 27 and sought U.S. cooperation.
- b. Transfer of spent fuel. The Japanese public would not accept leaving the large quantity of spent fuel at the site. This group needed to assess and survey the degree of fuel damage, and decide how to remove the fuel and transport the fuel to a disposal site. Nagashima called for an experts group to begin March 27 to determine solutions and sought NRC advice. He acknowledged the importance of understanding structural damage and how stable the pool and supporting structures were. Nagashima said Japan would have to further study the question of disposal method.
- c. Remote/robotics. METI said its request for robotics was: 2 high level monitoring robots, 2 robots to clear debris, radiation-hardened camera, and a radiation shield for a vehicle. METI will remain in close touch with the U.S. as increasingly difficult operating conditions could dictate additional needs. DOE provided an additional report with technical specifications for robotic equipment to use for radiation mapping. DOE confirmed the U.S. can provide kinetic talon and MS, as requested, as well as a radiation-hardened camera and a system for mapping gamma rays. DOE recommended that experts have a discussion as soon as possible to work out details for delivery.

6. Wall conveyed U.S. NOAA's offer to provide balloon technology for unmanned radiation measurement at the site and plume tracking. Hosono immediately accepted in principle; Japan would determine which ministry would take responsibility.

7. Hosono commented on the great progress made on Japan's requests but made two additional requests of the United States:

- Japan received the list of radiation measurement equipment offered by U.S. industry and would like to take all equipment offered.
- There had been positive movement on germanium semiconductor detectors.
- Significant progress had been made on freshwater supply by barge. On this issue, U.S. confirmed that, in response to a request from MOD, arrangements has been made to retain the three vendor support representatives until training was completed and barge moved north.
- Information had been provided on KI and drinking water.

- New request: Japan asked for a high pressure hose with coupler to support cooling efforts. NRC said the U.S. had received details on a possible hose today. The U.S. pointed out that up to 3 km of hose would be provided with the pumping system en route to the site; TEPCO said the additional request was necessary. NRC will continue to investigate the new request.
- New request: Strong radiation shield for a vehicle to protect workers at the plant site. NRC or DOE will investigate shielding technology.

8. NRC reported that it had provided a copy of a report published after TMI on shipping damaged fuel which addressed key considerations for Japan related to fuel transport. NRC staff would continue to research measures that address the challenges of spent fuel transfer. Nagashima expressed interest and said would share and examine in the report.

9. NRC referred to the report it had provided to counterparts conveying joint recommendations by NRC, DOE, Naval Nuclear Reactors and INPO on the best strategy to mitigate the incident at each reactor and spent fuel pool. NRC emphasized the U.S. team's interest in continuing to work with Japan on these strategies and said it would like to continue a strong dialogue with TEPCO and NISA. Hosono strongly supported this view and reiterated Japan's interest in cooperation with the U.S. team.

10. Wall said Japan's Food Safety Commission had asked the U.S. for information to help it develop new standards for radiological tolerance in food. FDA was already providing information but proposed to send an expert to Japan for further consultations. Fukuyama explained that MHLW had asked FSC to reevaluate radioactive tolerance standards set by the AEC, and for that reason FCS would find FDA information helpful. He recommended that FDA and FSC be in direct contact in deference to FSC's role as an independent agency.

---

**From:** Batkin, Joshua  
**Sent:** Saturday, March 26, 2011 8:26 PM  
**To:** Monninger, John  
**Subject:** Re: Chairman Visit

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

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

**From:** Monninger, John  
**To:** Batkin, Joshua  
**Sent:** Sat Mar 26 20:22:19 2011  
**Subject:** Re: Chairman Visit

I'll have pictures  
John Monninger

(b)(6)

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

**From:** Batkin, Joshua  
**To:** Monninger, John; Coggins, Angela; Casto, Chuck; Dorman, Dan  
**Sent:** Sat Mar 26 20:21:33 2011  
**Subject:** Re: Chairman Visit

Ok, I talked to brook and kirk. Have a safe visit.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

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

**From:** Monninger, John  
**To:** Batkin, Joshua; Coggins, Angela; Casto, Chuck; Dorman, Dan  
**Sent:** Sat Mar 26 20:19:52 2011  
**Subject:** Chairman Visit

I'm on an AF helicopter up to the site laydown area.

Kirk Foggie and Brook Smith are pulling together plans for the Chairmans visit. Preliminary indications are that the Ambassador may want the Chairman to make a statement / press release at the end of the visit. DCM Zumult confirming plans.

John Monninger

(b)(6)



---

**From:** LIA03 Hoc  
**Sent:** Saturday, March 26, 2011 7:28 PM  
**To:** Liaison Japan  
**Subject:** 3/28 9:30AM (Japan time) arrival

All,  
Angela Coggins is accompanying him and they will be arriving at Narita 9:30AM local time. That is all the information that I have at this time. Please let us know if there is anything else that we can do here to help you prepare.

Thanks,  
-Jenny

---

**From:** LIA03 Hoc  
**Sent:** Saturday, March 26, 2011 6:52 PM  
**To:** Liaison Japan  
**Cc:** LIA02 Hoc  
**Subject:** Jaczko Japan

All,  
Please keep this information close-hold.

His office has not provided us with his travel plans at this time. He is hoping to catch the 10:00PM flight (with stopover in London). As soon as I have any details, I will pass this along.

This came as a total surprise to us too! Let me know if you have any questions.

Thanks!  
-Jenny

---

**From:** LIA03 Hoc  
**Sent:** Saturday, March 26, 2011 6:42 PM  
**To:** Liaison Japan  
**Subject:** Chairman probably on flight to Tokyo in 3 hours (10:00PM EDT)

All,

If he can catch the flight, you'll see Chairman Jaczko tomorrow in Tokyo. Chuck, John and Dan are currently on the phone with him but thought you might want to know ASAP.

Thanks!

-Jenny

---

**From:** Batkin, Joshua  
**Sent:** Saturday, March 26, 2011 3:16 PM  
**To:** Monninger, John  
**Subject:** CALL ME

when you get up. Its close hold for now but it looks like GBJ may be coming out for a short visit...

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Batkin, Joshua  
**Sent:** Saturday, March 26, 2011 10:34 AM  
**To:** Monninger, John  
**Subject:** Is

The Chairman supposed to talk to the Ambassador today? Is Chuck still awake to talk to him first?

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Batkin, Joshua  
**Sent:** Saturday, March 26, 2011 10:33 AM  
**To:** Monninger, John  
**Subject:** Re: Saturday March 26 0830 Update

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Monninger, John  
**To:** Batkin, Joshua  
**Sent:** Sat Mar 26 10:15:15 2011  
**Subject:** Re: Saturday March 26 0830 Update

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

John Monninger

(b)(6)

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**From:** Batkin, Joshua  
**To:** Monninger, John  
**Sent:** Sat Mar 26 09:58:16 2011  
**Subject:** Re: Saturday March 26 0830 Update

Ah, you're coming home? Good - and you're good with that? And ok, be careful.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Monninger, John  
**To:** Batkin, Joshua

**Sent:** Sat Mar 26 09:55:59 2011  
**Subject:** Re: Saturday March 26 0830 Update

Josh

Chuck and I are headed north tomorrow to J-village which is the lay down / command center for site activities. Really need to get the big picture on site activities. Adm. Rowden was there yesterday and amazed/impressed with activities. You don't get that notion working in Tokyo. Heading there with the Admiral and 2 Naval Reactor staff. We have equipment from USAID and dosimetry so we are in good shape.

Hope all is well. Flight back to US is Tuesday so we can catch up Wednesday.

John Monninger

(b)(6)

---

**From:** Hipschman, Thomas  
**To:** Batkin, Joshua; Coggins, Angela; Loyd, Susan; Montes, David; Warren, Roberta; Pace, Patti; Monninger, John; Bradford, Anna; Dhir, Neha; Clark, Lisa; Fopma, Melody; Marshall, Michael; Speiser, Herald; Gibbs, Catina  
**Sent:** Sat Mar 26 09:02:43 2011  
**Subject:** Saturday March 26 0830 Update

Dyer dayshift ET Director

FW being injected units 1-3. Unit 2 getting borated water. Water is from the reseviior  
Power to all sites and control rooms. Testing of components continues

Bechtel pumping system still at Yokota. More training today. Equipment is expected on site after dark on Sunday. Possibly in service on Monday.  
First of 2 Navy water barges delayed about 30 hours due to weather

NRC has identified a liaison to USPACOM, who has the lead for a lot of the logistics.

Japanese government has advised extended evacuation zone from 20km to 30km for logistics reasons.  
Monninger and Casto travelling to J-village, about ten miles from site to see if there is value in embedding there.

(b)(5)

(b)(5)

(b)(5)

<http://www.town.hirono.fukushima.jp/english/information.html>

---

**From:** Scott, Michael  
**Sent:** Saturday, March 26, 2011 8:03 AM  
**To:** Casto, Chuck; Monninger, John; Dorman, Dan  
**Subject:** Fw: NEW INFO REQUEST FROM JAPAN

Fyi

Sent from my NRC blackberry  
Michael Scott

(b)(6)

---

**From:** Scott, Michael  
**To:** RST01 Hoc  
**Cc:** 'hochevarar@inpo.org' <hochevarar@inpo.org>; Blamey, Alan  
**Sent:** Sat Mar 26 06:09:18 2011  
**Subject:** NEW INFO REQUEST FROM JAPAN

Dear RST comrades:

The Japanese government requests that we provide available documents that describe how the TMI-2 core was successfully removed from the vessel and prepared for shipping offsite, hopefully including lessons learned. The request included any research documents applicable to the subject.

Please assign this as appropriate. While no specific due date was provided, they regard the effort to figure out what to do with the damaged fuel as a high priority.

For awareness, INPO was requested to provide similar information industry/licensee may have.

Alan, please add this item to your tracker.



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**From:** Young, Joseph M <YoungJM@state.gov>  
**Sent:** Saturday, March 26, 2011 5:39 AM  
**To:** Kubista, Theodore LTC USA MDAO; USFJ-CAT-J5  
**Cc:** Foggie, Kirk; Webster, Jessica M (TDY/ECN); Casto, Chuck; Monninger, John  
**Subject:** RE: trip to J-Village

Ted: Just found out that the interpreter will not be going. So it would just be Chuck Casto and John Monninger from the NRC for the J-Village trip. By the way, will the USFJ guys be taking an interpreter?

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

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**From:** Young, Joseph M  
**Sent:** Saturday, March 26, 2011 6:23 PM  
**To:** Kubista, Theodore LTC USA MDAO; USFJ-CAT-J5  
**Cc:** 'kirk.foggie@nrc.gov'; 'chuck.casto@nrc.gov'; 'Monninger, John'; Webster, Jessica M (TDY/ECN)  
**Subject:** trip to J-Village

Ted: The two NRC reps who plan to travel to J-Village tomorrow are Chuck Casto and John Monninger. Also, the interpreter who should accompany is Mariko Nagai. My understanding is that they would travel very early tomorrow morning to Yokota to hook up with the USFJ team that is heading out at, I believe, 0600.

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

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**From:** Young, Joseph M <YoungJM@state.gov>  
**Sent:** Saturday, March 26, 2011 4:47 AM  
**To:** Monninger, John  
**Subject:** RE: availability of Australian experts

John: I think general would be best. I'd suggest just saying that "they can extend their stay." Also, need to talk to you about arrangements for the trip to J-Village. Sounds like the USFJ guys might be setting off at 6:00 AM tomorrow morning. So, the question would be your departure time from here. Might also want to consider getting to Yokota this evening, so you can save a little more time for sleep.

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

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**From:** Monninger, John [mailto:John.Monninger@nrc.gov]  
**Sent:** Saturday, March 26, 2011 5:42 PM  
**To:** Young, Joseph M  
**Subject:** RE: availability of Australian experts

Many thanks Joe. So, do you think our response should be that they can stay for additional time, or should we provide the exact date through which they are scheduled to stay. That is to say, should we be general or specific in our response.

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**From:** Young, Joseph M [YoungJM@state.gov]  
**Sent:** Saturday, March 26, 2011 4:20 AM  
**To:** Casto, Chuck; Monninger, John  
**Cc:** Cook, William; [redacted] (b)(6); Grana, Brian T. Maj USMC  
**Subject:** availability of Australian experts

Chuck/John: Just confirmed with Bill Cook that the Australian vendor reps/experts are able to stay at Yokota beyond the delivery of the pumps, in line with what Ken Spurlock had mentioned in the car. We're just now organizing more extended accommodations for the group. Thought this would be info you could use at the 8:00 meeting this evening.

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

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**From:** Young, Joseph M <YoungJM@state.gov>  
**Sent:** Saturday, March 26, 2011 4:06 AM  
**To:** Casto, Chuck; Monninger, John  
**Cc:** Luke, Robert S; Zumwalt, James P; Cherry, Ronald C; Wall, Marc M; Walsh, Cody C  
**Subject:** FW: NRC reps to visit J-village in Fukushima?

Chuck/John: Can you let me know who among the NRC team members would go to J-Village? I was thinking you two, but if you could confirm, that would be great. Per below, USFJ is beginning to make arrangements.

Thanks,

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

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**From:** Walsh, Cody C  
**Sent:** Saturday, March 26, 2011 5:02 PM  
**To:** Young, Joseph M  
**Subject:** NRC reps to visit J-village in Fukushima?

Hi Joe,

Quick question from Ted Kubista, MDAO—USFJ heard that following a meeting at MOD today, a decision was made to have two(?) representatives from the NRC to visit the J-village in the upcoming days.

USFJ would like to know further details—who will be going, date/time, any needs such protective gear/transportation, etc. -- and have been told that you may have more info on plans for this visit

Do you have more info on this that we would be able to share with USFJ?

Many thanks,  
Cody

Cody C. Walsh  
U.S. Embassy Tokyo  
1-10-5, Akasaka 1-Chome  
Minato-ku, Tokyo 107 Japan

Tel: +81-3-3224-5337  
Fax: +81-3-3224-5322  
Email: [WalshCC1@state.gov](mailto:WalshCC1@state.gov)  
<http://japan.usembassy.gov/>

SBU  
This email is UNCLASSIFIED.

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**From:** JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>  
**Sent:** Saturday, March 26, 2011 3:20 AM  
**To:** Alan Remick DOE; Aleshia Duncan; Amy Sink OFDA; Cook, William; Brian Lewis; Smith, Brooke; Bryan Moyers Liaison Dir Submarine Group Seven; Cherry, Ronald C; Casto, Chuck; Courtney Brown; Damian Peko; Dorman, Dan; Daniel Blumenthal; Darrel DeHaven, Senior NR Rep Yokosuka; Dudley, Katherine F; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp NRC; Webster, Jessica M (TDY/ECN); Joe Hughart HHS; Joe Hughart OFDA; Monninger, John; Johnstone, Gregg M; Ken Spurlock; Foggie, Kirk; Lewis, Brian M (TDY/RSO); LTC Andrae Brooks; MAJ Keith Simmers; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Russ Morales; Thomas Murphy, Rad.Controls Dir. Puget Sound Navel; Nakanishi, Tony; Ulses, Anthony; Webster, Jessica M (TDY/ECN)  
**Cc:** (b)(6) JapanEmbassy, TaskForce  
**Subject:** FW: Radiation level at Fukushima NO.1 NPP as of March 25, 06:00  
**Attachments:** 110325113459(0001).pdf

<<110325113459(0001).pdf>> Can the Embassy Nuclear Team please confirm whether you are still receiving data (as in the attached) from MOFA/TEPCO? The JECC has not received this type of data for some time. If you are still receiving it, we need to include USFJ on distribution (see email chain below). If not, we need to try to start receiving this data again asap, according to USFJ. Appreciate a response as quickly as you are able.

Thank you,

Lynda

This email is UNCLASSIFIED

on behalf of the Japan Emergency Command Center, +81-3-3224- 5533

Lynda Hinds  
Staff Assistant to Ambassador John V. Roos U.S. Embassy  
1-10-5 Akasaka, Minato-ku  
Tokyo 107-8420  
Tel. (03) 3224- 5370

Twitter.com/AmbassadorRoos

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

**From:** Haas, Craig T GS-14 USFJ J57 [mailto:(b)(6)]  
**Sent:** Saturday, March 26, 2011 4:15 PM  
**To:** JapanEmbassy, TaskForce  
**Subject:** RE: Radiation level at Fukushima NO.1 NPP as of March 25, 06:00

Lynda,

I have no idea how to navigate to the appropriate page. The attached is what I am looking for. We stopped receiving them from MOFA. If someone can show me an alternate route to get to the data as close to real time as possible, I would appreciate it. This could become a serious issue here fairly quickly if DOE loses the bubble on the inner most ring (at the plant) of monitoring data...that one data sources for DOE radiation/contamination overlays. I know you're busy but any help would be appreciated. Thanks.

VR,  
Craig

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

From: JapanEmbassy, TaskForce [mailto:JapanEmbassyTaskForce@state.gov]  
Sent: Saturday, March 26, 2011 4:00 PM  
To: Haas, Craig T GS-14 USFJ J57; US Embassey  
Subject: RE: Radiation level at Fukushima NO.1 NPP as of March 25, 06:00

TEPCO is posting radiological readings in PDF form on its website:  
<http://www.tepco.co.jp/cc/press/11032602-j.html>

If this is not what you're looking for, let me know and I will check with the NRC team here to see if they are getting the data directly from MOFA. It's possible they are no longer sending it through the task force.

Thank you,

Lynda

This email is UNCLASSIFIED

on behalf of the Japan Emergency Command Center, +81-3-3224- 5533

Lynda Hinds  
Staff Assistant to Ambassador John V. Roos U.S. Embassy  
1-10-5 Akasaka, Minato-ku  
Tokyo 107-8420  
Tel. (03) 3224- 5370

Twitter.com/AmbassadorRoos

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

From: Haas, Craig T GS-14 USFJ J57 [mailto:(b)(6)]  
Sent: Saturday, March 26, 2011 3:42 PM  
To: JapanEmbassy, TaskForce  
Subject: RE: Radiation level at Fukushima NO.1 NPP as of March 25, 06:00

Yes, but they USED to be scans in Japanese. We still want the scans if possibel. We don't want to wait for translations....we need to track trends in the data as close to real time as possible. Looks like the last one you got was 1AM. Are they NOT sending that anymore? Can you ask (I already have but MOFA hasn't answered yet.) Thanks.

VR,

Craig

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

From: JapanEmbassy, TaskForce [mailto:JapanEmbassyTaskForce@state.gov]

Sent: Saturday, March 26, 2011 2:31 PM

To: Haas, Craig T GS-14 USFJ J57; US Embassey

Subject: Radiation level at Fukushima NO.1 NPP as of March 25, 06:00

Craig,

Is this what you are looking for? The website is listed below.

Jennifer Clever

Japan Emergency Command Center

U.S. Embassy, Tokyo

SBU

This email is UNCLASSIFIED.

From: JapanEmbassy, TaskForce

Sent: Saturday, March 26, 2011 1:54 AM

To: (b)(6)

(b)(6)

Subject: Radiation level at Fukushima NO.1 NPP as of March 25, 06:00

Attached please find TEPCO radiation monitoring data from Fukushima No. 1 nuclear power plant.

<http://www.tepco.co.jp/en/nu/monitoring/index-e.html>

Naomi Walcott  
Emergency Action Officer

Japan Emergency Command Center  
U.S. Embassy Tokyo

This email is UNCLASSIFIED.

2 ← 11F ← 250815 共有 ← ERC 放射線記録班

3月25日

福島第一(1F)

測定場所

- ①事務本館北(2号機より北西約0.5牛口)
- ②体育館付近(MP-5東側)(2号機より北西約0.9牛口)
- ③西門付近(MP-5付近)(2号機より西約1.1牛口)
- ④正門付近前(MP-6付近)(2号機より西南西約1.0牛口)
- ⑤免震棟前(2号機より北西約0.5牛口)

測定場所	④																							
モニタリングカー	0:00	0:10	0:20	0:30	0:40	0:50	1:00	1:10	1:20	1:30	1:40	1:50	2:00	2:10	2:20	2:30	2:40	2:50	3:00	3:10	3:20	3:30	3:40	3:50
測定値(μSv/h)	199.5	199.3	199.0	199.0	198.9	198.8	198.6	197.7	197.0	196.9	196.6	196.6	196.5	196.4	196.3	196.1	195.9	195.8	195.7	195.7	195.6	195.6	195.6	195.1
中性子	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
風向	北西	西	西	西	北西	西北西	西	西南西	西	南西	南西	西	南東	南南西	北北西	西	西南西	西	西	西	北西	北西	北西	北
風速(m/s)	1.3	0.8	0.8	0.5	0.8	0.7	1.0	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.5	0.5	0.7	1.0	1.0	0.8	1.8	1.1	1.0

← NEW

測定場所	④																							
モニタリングカー	4:00	4:10	4:20	4:30	4:40	4:50	5:00	5:10	5:20	5:30	5:40	5:50	6:00	6:10	6:20	6:30	6:40	6:50	7:00	7:10	7:20	7:30	7:40	7:50
測定値(μSv/h)	195.1	195.0	195.0	195.0	194.5	194.5	194.4	194.4	194.3	194.2	194.1	193.8	193.8	193.8	193.9	192.9	193.0	192.5	192.8					
中性子	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
風向	西	北西	北西	北北西	北	北	西北西	北北西	北西	北西	北西	西北西	西北西	西北西	西北西	西北西	西	北西	西					
風速(m/s)	0.8	1.7	1.2	1.1	0.9	0.8	0.9	0.8	0.9	0.9	1.8	1.6	1.5	1.0	1.1	0.9	1.0	1.1	0.9					

受信時刻 3月25日 1時38分

測定場所	④																								
モニタリングカー	8:00	8:10	8:20	8:30	8:40	8:50	9:00	9:10	9:20	9:30	9:40	9:50	10:00	10:10	10:20	10:30	10:40	10:50	11:00	11:10	11:20	11:30	11:40	11:50	
測定値(μSv/h)																									
中性子																									
風向																									
風速(m/s)																									

測定場所	④																								
モニタリングカー	12:00	12:10	12:20	12:30	12:40	12:50	13:00	13:10	13:20	13:30	13:40	13:50	14:00	14:10	14:20	14:30	14:40	14:50	15:00	15:10	15:20	15:30	15:40	15:50	
測定値(μSv/h)																									
中性子																									
風向																									
風速(m/s)																									

測定場所	④																								
モニタリングカー	16:00	16:10	16:20	16:30	16:40	16:50	17:00	17:10	17:20	17:30	17:40	17:50	18:00	18:10	18:20	18:30	18:40	18:50	19:00	19:10	19:20	19:30	19:40	19:50	
測定値(μSv/h)																									
中性子																									
風向																									
風速(m/s)																									

出力時刻 3月25日 1時41分

測定場所	④																								
モニタリングカー	20:00	20:10	20:20	20:30	20:40	20:50	21:00	21:10	21:20	21:30	21:40	21:50	22:00	22:10	22:20	22:30	22:40	22:50	23:00	23:10	23:20	23:30	23:40	23:50	
測定値(μSv/h)																									
中性子																									
風向																									
風速(m/s)																									



3月24日

福島第一(1F)

測定場所

- ①事務本館北(2号機より北西約0.5キロ)
- ②体育館付近(MP-5東側)(2号機より北西約0.9キロ)
- ③西門付近(MP-5付近)(2号機より西約1.1キロ)
- ④正門付近前(MP-6付近)(2号機より西南西約1.0キロ)
- ⑤免震棟前(2号機より北西約0.5キロ)

測定場所	①																							
モニタリングカー	0:00	0:10	0:20	0:30	0:40	0:50	1:00	1:10	1:20	1:30	1:40	1:50	2:00	2:10	2:20	2:30	2:40	2:50	3:00	3:10	3:20	3:30	3:40	3:50
測定値(μSv/h)	222.3	222.0	221.8	221.5	221.7	221.0	220.8	220.4	220.0	219.7	219.2	219.2	218.8	218.7	217.5	217.2	216.8	216.4	216.8	216.5	216.2	216.5	215.7	215.4
中性子	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
風向	北西	南	北	西	西北西	西北西	西北西	西北西	北西	北	北西	西	西北西	西北西	西北西	西北西	西	西南西	西	西南西	南西	南西	西	西
風速(m/s)	0.3	0.4	0.5	1.2	1.3	1.4	1.5	1.6	1.3	0.8	0.8	0.8	1.2	1.7	1.6	1.2	1.0	0.5	1.0	0.9	0.6	0.7	0.9	1.0

測定場所	②																							
モニタリングカー	4:00	4:10	4:20	4:30	4:40	4:50	5:00	5:10	5:20	5:30	5:40	5:50	6:00	6:10	6:20	6:30	6:40	6:50	7:00	7:10	7:20	7:30	7:40	7:50
測定値(μSv/h)	216.1	216.8	214.7	214.5	214.7	214.3	214.4	214.0	213.8	213.8	216.2	218.8	212.8	212.8	214.7	230.8	219.1	212.3	212.2	212.0	211.8	211.8	211.8	211.7
中性子	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
風向	西北西	北	南	北	北北西	西	南東	南南東	南	東南東	南西	西	北	北	南南東	東南東	南南西	西北西	北西	西	西	南東	南	南
風速(m/s)	0.5	0.5	0.3	0.2	1.2	1.2	0.9	0.7	0.8	0.8	0.8	0.7	0.4	0.7	0.5	0.6	0.7	0.7	0.9	1.1	0.8	1.2	1.0	0.8

測定場所	③																							
モニタリングカー	8:00	8:10	8:20	8:30	8:40	8:50	9:00	9:10	9:20	9:30	9:40	9:50	10:00	10:10	10:20	10:30	10:40	10:50	11:00	11:10	11:20	11:30	11:40	11:50
測定値(μSv/h)	211.6	211.5	211.8	211.2	211.8	211.1	210.1	210.8	210.8	210.7	210.5	210.5	210.1	210.0	209.7	209.7	209.5	209.8	209.3	209.2	209.5	209.5	209.8	209.1
中性子	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
風向	南西	南	南	南東	南東	南東	南東	南南東	南東	東南東	南南東	南東	南東	南東	南南東	東南東	南東	南東	南	南	東南東	南	東南東	南南東
風速(m/s)	0.8	1.2	1.2	1.7	1.7	1.5	1.8	2.5	2.2	2.5	2.3	2.2	2.8	2.7	2.4	2.7	2.4	2.8	2.5	2.8	2.7	2.5	2.7	2.9

測定場所	④												⑤						⑥					
モニタリングカー	12:00	12:10	12:20	12:30	12:40	12:50	13:00	13:10	13:20	13:30	13:40	13:50	14:00	14:10	14:20	14:30	14:40	14:50	15:00	15:10	15:20	15:30	15:40	15:50
測定値(μSv/h)	209.4	209.4	209.2	201.1	208.8	208.7	208.1	207.8	207.5	207.5	207.2	209.3	209.0	208.5	429.5	427.0	210.8	209.8	209.4	209.2	208.8	208.8	207.5	
中性子	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
風向	南	南東	南東	南	南	南南東	南東	南	南	南	南	南	南	南	南	南	南南東	南	南	南	南	南	南	
風速(m/s)	3.0	3.0	2.8	2.5	2.1	2.2	2.1	2.7	3.7	4.1	4.2	2.1	4.1	4.0	2.3	1.4	5.8	4.5	4.4	4.3	4.3	3.8	4.3	

④-⑤-⑥ 免震棟前(2号機より北西約0.5キロ) bụiダスト分析のため一時的に移転

測定場所	⑦																							
モニタリングカー	16:00	16:10	16:20	16:30	16:40	16:50	17:00	17:10	17:20	17:30	17:40	17:50	18:00	18:10	18:20	18:30	18:40	18:50	19:00	19:10	19:20	19:30	19:40	19:50
測定値(μSv/h)	207.4	207.3	207.1	207.8	208.9	206.5	208.4	206.2	206.1	208.0	205.8	205.8	205.3	204.6	204.8	204.7	204.5	204.4	204.4	204.3	204.2	203.8	203.5	202.8
中性子	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
風向	南東	南	南	南	南	南東	南東	南	南西	南	南	南	南	南	南南東	西	西	西	西	西南西	西	西北西	北西	西
風速(m/s)	4.5	4.9	3.8	4.3	3.2	2.5	1.9	1.7	1.3	1.3	1.7	1.4	1.3	1.9	0.5	0.6	0.6	0.8	1.0	0.7	1.0	1.3	1.4	

測定場所	⑧																							
モニタリングカー	20:00	20:10	20:20	20:30	20:40	20:50	21:00	21:10	21:20	21:30	21:40	21:50	22:00	22:10	22:20	22:30	22:40	22:50	23:00	23:10	23:20	23:30	23:40	23:50
測定値(μSv/h)	202.3	202.6	202.5	202.4	202.4	202.2	202.8	202.8	201.7	201.8	201.3	201.3	201.2	201.1	201.2	201.5	200.9	200.4	200.2	199.9	200.8	199.8	199.8	199.8
中性子	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
風向	北西	西北西	西北西	西	西	西北西	北西	北西	北北西	北西	北	西	西北西	北北西	北西	西北西	西北西	北西	西北西	西北西	北西	北北西	北西	北西
風速(m/s)	0.4	0.7	1.0	0.9	0.7	1.2	1.2	1.9	0.8	0.4	0.8	0.4	0.7	0.5	0.1	1.6	1.2	1.0	1.8	1.5	1.1	1.3	0.9	0.8

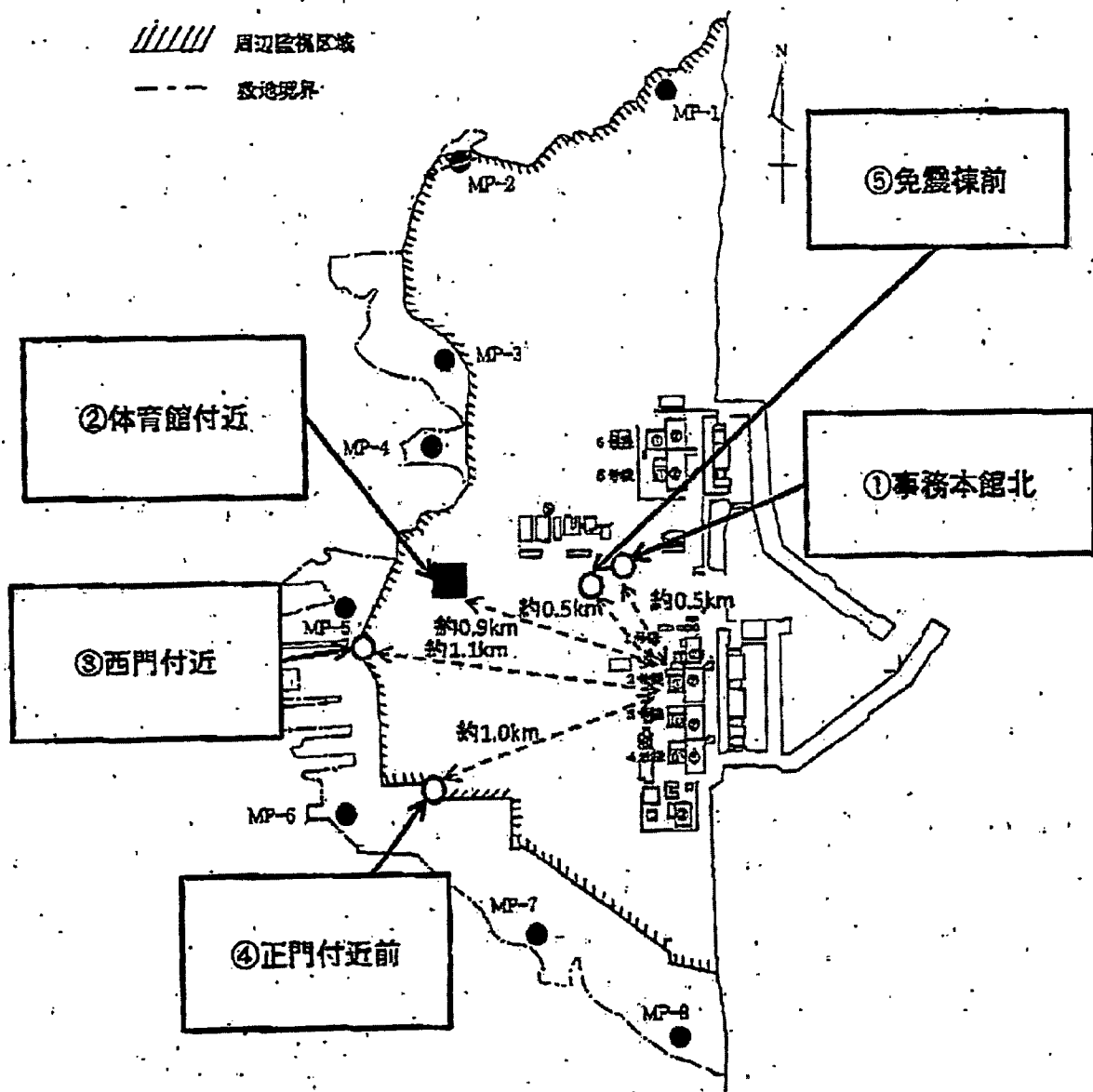
受検時刻 3月25日 1時38分

出力時刻 3月25日 1時41分

# 福島第一原子力発電所

////// 周辺監視区域

----- 敷地境界



各発電所等の環境モニタリング結果

単位:  $\mu\text{Sv/h}$

通常の平常値の範囲	会社名	発電所名	3月24日												
			0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	
0.024~0.027	北海道電力	浜路発電所	0.024	0.028	0.027	0.031	0.028	0.027	0.026	0.028	0.028	0.028	0.025	0.025	0.026
0.024~0.050	東北電力	女川原子力発電所	1.20	1.20	1.20	1.20	1.10	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
0.012~0.050		東通原子力発電所	0.010	0.018	0.020	0.022	0.021	0.020	0.023	0.023	0.019	0.018	0.019	0.019	0.018
0.041~0.060	東京電力	福島第一原子力発電所	222.3	226.0	218.0	216.6	216.1	214.4	212.0	212.2	211.0	210.1	210.1	209.0	
0.036~0.052		福島第二原子力発電所	13.350	13.267	13.100	13.123	13.073	12.978	12.950	12.817	12.810	12.707	12.667	12.567	
0.011~0.157		柏崎刈野原子力発電所	0.066	0.065	0.060	0.065	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	
0.036~0.053	日本原子力発電	東海第二発電所	1.007	1.006	1.003	0.996	0.990	0.989	0.990	0.983	0.983	0.976	0.976	0.971	
0.039~0.119		東海第三発電所	0.074	0.073	0.074	0.074	0.074	0.074	0.074	0.074	0.075	0.065	0.077	0.074	
0.024~0.108	中部電力	浜岡原子力発電所	0.024	0.024	0.024	0.024	0.025	0.024	0.025	0.025	0.024	0.024	0.023	0.023	
0.020~0.132	北陸電力	志保原子力発電所	0.032	0.032	0.032	0.032	0.033	0.033	0.033	0.041	0.042	0.037	0.034	0.033	
0.028~0.130	中国電力	高松原子力発電所	0.031	0.030	0.030	0.030	0.029	0.030	0.030	0.033	0.032	0.030	0.030	0.030	
0.070~0.077	関西電力	美浜発電所	0.072	0.073	0.073	0.072	0.073	0.074	0.074	0.073	0.074	0.073	0.073	0.073	
0.046~0.047		高尾発電所	0.049	0.043	0.042	0.043	0.043	0.043	0.042	0.042	0.043	0.044	0.044	0.044	
0.036~0.040	四国電力	大飯発電所	0.036	0.036	0.037	0.037	0.037	0.037	0.037	0.036	0.037	0.036	0.036	0.036	
0.011~0.090		伊方発電所	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.013	0.014	0.014	0.014	0.014	
0.023~0.027	九州電力	玄海原子力発電所	0.026	0.025	0.026	0.027	0.026	0.025	0.027	0.026	0.027	0.026	0.026	0.027	
0.034~0.120		川内原子力発電所	0.036	0.037	0.037	0.040	0.037	0.039	0.038	0.037	0.038	0.037	0.036	0.036	
0.009~0.059	日本原電(株)	六ヶ所 再処理工場	0.018	0.018	0.017	0.020	0.023	0.017	0.018	0.018	0.016	0.016	0.016	0.016	
0.009~0.071		六ヶ所 再処理工場	0.022	0.021	0.020	0.023	0.025	0.021	0.020	0.020	0.020	0.020	0.020	0.019	

※福島第一原子力発電所については、作業状況により若干測定時間のずれ及び測定位置の変更が生じる場合がございます。

通常の平常値の範囲	会社名	発電所名	3月24日											
			12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
0.024~0.027	北海道電力	浜路発電所	0.026	0.026	0.025	0.026	0.026	0.029	0.026	0.026	0.026	0.026	0.026	0.026
0.024~0.050	東北電力	女川原子力発電所	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	
0.012~0.050		東通原子力発電所	0.017	0.017	0.018	0.017	0.017	0.017	0.017	0.018	0.019	0.019	0.019	
0.041~0.060	東京電力	福島第一原子力発電所	209.4	209.1	209.0	209.0	207.4	206.4	204.0	204.3	202.0	202.0	202.0	
0.036~0.052		福島第二原子力発電所	12.407	12.430	12.407	12.353	12.337	12.263	12.220	12.157	12.113	12.030	12.030	
0.011~0.157		柏崎刈野原子力発電所	0.066	0.065	0.065	0.066	0.065	0.065	0.070	0.060	0.060	0.060	0.073	
0.036~0.053	日本原子力発電	東海第二発電所	0.964	0.965	0.960	0.952	0.950	0.960	0.942	0.950	0.940	0.939	0.939	
0.039~0.119		東海第三発電所	0.074	0.074	0.077	0.077	0.075	0.073	0.074	0.074	0.082	0.084	0.079	
0.024~0.108	中部電力	浜岡原子力発電所	0.023	0.023	0.023	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	
0.020~0.132	北陸電力	志保原子力発電所	0.032	0.032	0.032	0.034	0.033	0.033	0.036	0.036	0.036	0.035	0.035	
0.028~0.130	中国電力	高松原子力発電所	0.029	0.031	0.031	0.030	0.030	0.029	0.030	0.030	0.030	0.029	0.029	
0.070~0.077	関西電力	美浜発電所	0.074	0.074	0.076	0.077	0.073	0.075	0.077	0.078	0.084	0.078	0.078	
0.046~0.047		高尾発電所	0.043	0.043	0.043	0.042	0.041	0.043	0.042	0.042	0.042	0.042	0.043	
0.036~0.040	四国電力	大飯発電所	0.036	0.036	0.036	0.036	0.036	0.034	0.036	0.036	0.036	0.036	0.036	
0.011~0.090		伊方発電所	0.014	0.014	0.016	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	
0.023~0.027	九州電力	玄海原子力発電所	0.026	0.027	0.026	0.026	0.026	0.026	0.027	0.026	0.026	0.027	0.027	
0.034~0.120		川内原子力発電所	0.038	0.037	0.037	0.036	0.040	0.039	0.038	0.038	0.036	0.040	0.040	
0.009~0.059	日本原電(株)	六ヶ所 再処理工場	0.016	0.016	0.016	0.016	0.016	0.016	0.017	0.016	0.016	0.016	0.016	
0.009~0.071		六ヶ所 再処理工場	0.019	0.019	0.019	0.019	0.020	0.020	0.020	0.020	0.020	0.020	0.020	

※福島第一原子力発電所については、作業状況により若干測定時間のずれ及び測定位置の変更が生じる場合がございます。

受取時刻 3月25日 11時38分

出力時刻 3月25日 11時41分

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**From:** Monninger, John  
**Sent:** Saturday, March 26, 2011 12:31 AM  
**To:** Dorman, Dan; Blamey, Alan  
**Subject:** Fw: Revised Responses to Questions  
**Attachments:** Questions from Japan Team.doc

John Monninger

(b)(6)

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**From:** RST01 Hoc  
**To:** Scott, Michael; Devercelly, Richard; Casto, Chuck; Cook, William; Nakanishi, Tony; Foster, Jack; Trapp, James; Monninger, John; Smith, Brooke; Foggie, Kirk  
**Sent:** Fri Mar 25 23:18:57 2011  
**Subject:** Revised Responses to Questions

Please find attached a revised version of the responses to the questions. Please replace the prior file with this one.

---

**From:** RST09 Hoc  
**Sent:** Friday, March 25, 2011 11:17 PM  
**To:** RST01 Hoc  
**Subject:** RE: plant parameters

Brett,

(b)(5)

Don

---

**From:** RST01 Hoc  
**Sent:** Friday, March 25, 2011 10:42 PM  
**To:** Scott, Michael; Devercelly, Richard; Casto, Chuck; Cook, William; Nakanishi, Tony; Foster, Jack; Trapp, James; Monninger, John; Smith, Brooke; Foggie, Kirk  
**Subject:** REPLY: Questions from Japan Team  
**Attachments:** Questions from Japan Team.doc

Please find attached responses to your questions regarding hydrogen issues, the proposed cooling plan, and the water in the Unit 3 turbine building basement.

If you have any questions on the attached, please reply to this address.

Regards,

Brett Rini  
RST Coordinator

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**From:** RST09 Hoc  
**Sent:** Friday, March 25, 2011 10:30 PM  
**To:** RST01 Hoc  
**Subject:** Questions from Japan Team.doc

Please send this to Mike Scott et alia in Japan. Bill Ruland has approved sending this.

I will close action tracking item # 2743 and attach this file.

Steven A. Laur

---

**From:** Cherry, Ronald C <CherryRC@state.gov>  
**Sent:** Friday, March 25, 2011 9:49 PM  
**To:** Alan Remick DOE; Aleshia Duncan; Cook, William; Smith, Brooke; Casto, Chuck; Duncan, Aleshia D; Howard, E. Bruce; Collier, Andrew H. CDR USN MDAO; Foster, Jack; Trapp, James; James Trapp NRC; Joe Hughart HHS; Joe Hughart OFDA; Monninger, John; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Russ Morales; Kolb, Timothy; Nakanishi, Tony; Ulses, Anthony (b)(6)  
**Cc:** Wall, Marc M; Webster, Jessica M (TDY/ECN)  
**Subject:** FW: [Fukushima NPP:Remote Coltrol PT] logistics for the meeting #1 1500 26th Mar (TODAY)【原発・NRC】リモコンPT第1回ロジ連絡

All: Please let me know soonest who would like to attend this meeting at METI today at 3 pm.

Thanks.

Ron

SBU

This email is UNCLASSIFIED

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

From: hatada-hiroyuki@meti.go.jp [mailto:hatada-hiroyuki@meti.go.jp]

Sent: Saturday, March 26, 2011 10:16 AM

To: hiroshi\_yoshinada@komatsu.co.jp; mitsunori\_ozaki@komatsu.co.jp; osamu.maekawa@toshiba.co.jp; tsuyoshi.hagiwara@toshiba.co.jp; yagi.n@tepcoco.jp; yoshinada.h.aa@m.titech.ac.jp; takashi.hatori@mofa.go.jp; mikihay@mod.go.jp; satouyosh@mod.go.jp; bannai-toshihiro@meti.go.jp; koyama-masaomi@meti.go.jp; Cherry, Ronald C; Duncan, Aleshia D; pekodx@state.gov; Howard, E. Bruce; (b)(6)

Cc: ozawa-noriaki@meti.go.jp; okuda-shuji@meti.go.jp; funaki-kentaro@meti.go.jp; horiguchi-shin@meti.go.jp; mori-daisuke@meti.go.jp; mikihay@mod.go.jp; mitsumata-hiroki@meti.go.jp

Subject: [Fukushima NPP:Remote Coltrol PT] logistics for the meeting #1 1500 26th Mar (TODAY) 【原発・NRC】リモコンPT第1回ロジ連絡

To the invited participants to the Remote Control PT:  
(For Japanese, please see below)

<< to the US participants >>

Please be advised on the logistics for the meeting #1 of the Remote Control Project Team, that was mentioned in yesterday's bilateral meeting:

When: 1500 on Saturday March 26th (TODAY)

Where: Shougi-room located West-1 on the 12th floor of the METI Main Building How to get there:

- Use the gate located on the north edge (facing toward the royal residence)

- at the entrance of the main building, tell the guard that you are attending "Remote Control Project Team Meeting, hosted by Soumu-ka (ext.2111)".

- use the red elevator to 12th floor and proceed to the door marked West-1

- call me at cell (b)(6) if needed

Please send me a list of US participants with Name, Job title, phone# and email address.

Thank you.

<<日本側参加者の皆様へ>>

お世話になっております。  
リモコンPTのロジについて御連絡します。

○リモートコントロール・プロジェクトチーム第1回会合

日時：3月26日（土）15：00～

場所：経済産業省本館12階西1 省議室（12階西1）

入館方法：

- ・土曜日のため、経済産業省の敷地北側の門（農林水産省側、皇居の方角）から入構下さい。
- ・役所のIDをお持ちでない方は、本館入り口にて、守衛所に「官房総務課（内線2111）の会議（リモコンPT）に出席する」旨、お伝え下さい。
- ・赤いエレベーターで12階西1の会場までお越し下さい。

出席者登録がまだの方は、お送りしたメールのフォーマットにて回答願います。  
（東芝、コマツ、原子力産業課からは既に出席登録を頂いております。）

よろしくお願ひ申し上げます。

（以上）

Hiroyuki Hatada Deputy Director, Aerospace and Defense Industry  
Division, Ministry of Economy, Trade and Industry / +81-3-3501-1692 / [hatada-hiroyuki@meti.go.jp](mailto:hatada-hiroyuki@meti.go.jp)  
畑田 浩之 経済産業省 製造産業局 航空機武器宇宙産業課 課長補佐 /  
03-3501-1692

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**From:** Batkin, Joshua  
**Sent:** Friday, March 25, 2011 9:13 PM  
**To:** Monninger, John  
**Subject:** Re: offer of nuclear industry briefing from local reps who met with NISA/TEPCO today

John - sorry for the delay. It probably doesn't hurt for you to meet with anyone who might be able to help, but agree that it would be best for industry folks to work through INPO.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Monninger, John  
**To:** Batkin, Joshua  
**Sent:** Fri Mar 25 01:54:41 2011  
**Subject:** FW: offer of nuclear industry briefing from local reps who met with NISA/TEPCO today

Josh,

See below. Former Commissioner Merrifield is leading a US industry delegation here in Japan. It does not look to be coordinated with the US industry efforts (INPO, GE, etc.) nor the US government efforts. Though we don't have any control over this delegation, it would seem to be more appropriate for them to work through INPO. They are trying to meet with the US Ambassador.

John M.

---

**From:** Young, Joseph M [YoungJM@state.gov]  
**Sent:** Friday, March 25, 2011 12:45 AM  
**To:** Angelov, Bonnie A; Cherry, Ronald C; Aleshia Duncan; Wall, Marc M; Monninger, John; Casto, Chuck; Zumwalt, James P; Luke, Robert S; Cook, William; Basalla, Suzanne I; Fuller, Matthew G; Hinds, Lynda J  
**Subject:** offer of nuclear industry briefing from local reps who met with NISA/TEPCO today

Bonnie: Would the Ambassador have any time available before 3:30 or after 5:30 today, March 25, for a 15-20 minute briefing from a group of private nuclear power reps who were briefed themselves today by TEPCO and NISA? The group would include representation from Westinghouse, Toshiba, Shaw, and Babcock & Wilcox. The reps thought that a read-out of their discussions might be of benefit to the Ambassador.

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



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**From:** Bradford, Anna  
**Sent:** Friday, March 25, 2011 8:03 PM  
**To:** Monninger, John  
**Subject:** Re: Do you think...

We are, but its definitely calmer than the first week was. We're finally able to get some other things done now, and its all under control. You could definitely take a day off with no trouble.

---

**From:** Monninger, John  
**To:** Bradford, Anna  
**Sent:** Fri Mar 25 19:59:48 2011  
**Subject:** Re: Do you think...

It all depends on how busy it is back there. I assume you guys are also running full steam.  
John Monninger

(b)(6)

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**From:** Bradford, Anna  
**To:** Monninger, John  
**Sent:** Fri Mar 25 17:26:45 2011  
**Subject:** Re: Do you think...

Don't you want to take a few days off?? You've got to be exhausted.

---

**From:** Monninger, John  
**To:** Bradford, Anna  
**Sent:** Fri Mar 25 17:24:05 2011  
**Subject:** Re: Do you think...

As of now, my flight is Tuesday. So I would be in on Wednesday.

John Monninger

(b)(6)

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**From:** Bradford, Anna  
**To:** Monninger, John  
**Sent:** Fri Mar 25 13:49:22 2011  
**Subject:** Do you think...

that you will be in on Monday, or are you going to take a few days of leave (assuming you are in fact coming back this weekend)?

Anna Bradford  
Policy Advisor for Nuclear Materials  
Office of Chairman Jaczko  
U.S. Nuclear Regulatory Commission  
301-415-1827

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**From:** LIA07 Hoc  
**Sent:** Friday, March 25, 2011 7:11 PM  
**To:** Liaison Japan  
**Subject:** Resend: 1800 EDT, March 25, 2011 Status Update  
**Attachments:** USNRC Earthquake-Tsunami Update 032511 1800EDT(rev).docx

Resending to remove the "Draft" watermark.  
Sorry!

---

**From:** LIA07 Hoc  
**Sent:** Friday, March 25, 2011 6:57 PM  
**To:** Liaison Japan  
**Subject:** 1800 EDT, March 25, 2011 Status Update

Attached, please find the latest status update for your reference.  
Please let me know if you have any changes that should be made for the next issue at 0600 EDT on March 26.  
Thank you,  
Sara

---

**From:** Monninger, John  
**Sent:** Friday, March 25, 2011 5:22 PM  
**To:** Blamey, Alan; Scott, Michael  
**Subject:** Fw: Response - Closing the loop - addressing PACOM needs

FYI.  
John Monninger  

(b)(6)
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**From:** Weber, Michael  
**To:** Leeds, Eric  
**Cc:** Dyer, Jim; Zimmerman, Roy; Uhle, Jennifer; Casto, Chuck; Dorman, Dan; Monninger, John; LIA06 Hoc; LIA08 Hoc; ET01 Hoc; OST02 HOC; FOIA Response.hoc Resource  
**Sent:** Fri Mar 25 14:32:04 2011  
**Subject:** Response - Closing the loop - addressing PACOM needs

Thanks, Eric

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**From:** Leeds, Eric  
**To:** Borchardt, Bill; Virgilio, Martin; Weber, Michael  
**Cc:** Holahan, Patricia; Wiggins, Jim; Evans, Michele; Cohen, Miriam  
**Sent:** Fri Mar 25 11:47:48 2011  
**Subject:** Closing the loop - addressing PACOM needs

Trish Holahan and I met with several folks from DNI. The short version:

The Pacific Command is charged with evacuating all US personnel from Japan in the highly unlikely scenario that events at Fukushima degrade to that extent. They're looking for a link with the NRC that would provide them the radiological situational awareness/protective action recommendation that will keep them informed. We suggested a daily brief of the PACOM personnel in Hawaii by our PMT Director/staff on the current radiological conditions at Fukushima with projections for the next 24 hours. Of course, we would alert them if the conditions degraded between scheduled calls.

They seemed VERY happy with that arrangement and Trish and her staff will work with them and the PMT Director to set up the call. I informed the current ET Director and he was adding it to the list of daily calls/meetings. No need for the NRC to send anyone to Honolulu.

Let me know if you have questions.

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

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**From:** RST01 Hoc  
**Sent:** Friday, March 25, 2011 3:15 PM  
**To:** Nakanishi, Tony; Cook, William; Casto, Chuck; Devercelly, Richard; Foster, Jack; Trapp, James; Monninger, John; Smith, Brooke; Foggie, Kirk  
**Subject:** NRC Reactor Safety Team Assessment 1400 EDT 3/25/11  
**Attachments:** 03-25-11 1400 RST Assessment DocumentRedline.docx; 03-25-11 1400 RST Assessment Document.docx

All,

Please find the 1400 EDT NRC RST Assessment attached. I have included a red-line version to show changes, and a clean version.

Regards,  
Eric Thomas  
NRC RST

---

**From:** Huckaby, Thomas S.(INPO) [mailto:HuckabyTS@INPO.org]  
**Sent:** Friday, March 25, 2011 9:48 AM  
**To:** Huckaby, Thomas S.(INPO); Garchow, David F.(INPO); jheishman@epri.com; hernando.madronero@ge.com; GE.HitachiNuclearResponseTeam@ge.com; INPOERCTech; RST01 Hoc  
**Subject:** 3-25 1100 Industry technical conference call

Please review the attachments for discussion on the 1100 conference call.

Thanks,  
Thom Huckaby  
INPO  
ER Sr. Evaluator

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**From:** Huckaby, Thomas S.(INPO)  
**Sent:** Thursday, March 24, 2011 3:15 PM

**To:** (b)(6)

(b)(6)

**Subject:** RE: Review the RST Assessment Recommendations

Enclosed is the revised document from our 1300 conference call. Please provide any comments or corrections to me and I will forward back to the NRC

<< File: 03-24-11 1500 RST Assessment Document.docx >>

Thanks,  
Thom Huckaby  
INPO ER Sr evaluator

-----Original Appointment-----

**From:** Czekalla, Melissa B. (INPO)

**Sent:** Thursday, March 24, 2011 12:25 PM

<b>To:</b>	(b)(6)
	(b)(6)

**Subject:** Review the RST Assessment Recommendations

**When:** Thursday, March 24, 2011 1:00 PM-3:00 PM (GMT-05:00) Eastern Time (US & Canada).

**Where:**

When: Thursday, March 24, 2011 1:00 PM-3:00 PM (GMT-05:00) Eastern Time (US & Canada).

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

\*~\*~\*~\*~\*~\*~\*~\*~\*~\*

<< File: RST 3-24-11 0600 assessment document.docx >>

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Thank you.

---

**From:** Duncan, Aleshia D <DuncanAD@state.gov>  
**Sent:** Friday, March 25, 2011 11:02 AM  
**To:** Webster, Jessica M (TDY/ECN); Young, Joseph M; [redacted (b)(6)]; Dorman, Dan; Monninger, John  
**Cc:** Scott, Michael; Cherry, Ronald C; Wall, Marc M; Luke, Robert S; dartdoeliasion1@ofda.gov; Casto, Chuck; Zumwalt, James P; JapanEmbassy, TaskForce  
**Subject:** RE: (SBU) Cabinet Office Crisis Management Meeting March 25, 2011 (draft)

Looks great. Thanks Jessica.

This email is UNCLASSIFIED.

---

**From:** Webster, Jessica M (TDY/ECN)  
**Sent:** Friday, March 25, 2011 11:31 PM  
**To:** Duncan, Aleshia D; Young, Joseph M; [redacted (b)(6)]; 'dan.dorman@nrc.gov'; 'john.monninger@nrc.gov'  
**Cc:** 'michael.scott@nrc.gov'; Cherry, Ronald C; Wall, Marc M; Luke, Robert S; 'dartdoeliasion1@ofda.gov'; 'chuck.casto@nrc.gov'; Zumwalt, James P; JapanEmbassy, TaskForce  
**Subject:** (SBU) Cabinet Office Crisis Management Meeting March 25, 2011 (draft)

Action addressees: Please review and comment. Others: FYI.

Sensitive but unclassified

Cabinet Office Crisis Management Meeting March 25, 2011

[redacted box]  
(b)(5)

(b)(5)

(b)(5)



SBU  
This email is UNCLASSIFIED.

---

**From:** Smith, Brooke  
**Sent:** Friday, March 25, 2011 9:32 AM  
**To:** Monninger, John; Blamey, Alan; Foster, Jack; Casto, Chuck; Foggie, Kirk; Dorman, Dan  
**Subject:** Fw: Emailing: boardfile.htm  
**Attachments:** image001.png

Does anyone know the answer to this question?

Sent from an NRC Blackberry.  
Brooke G. Smith

(b)(6)

---

**From:** LIA02 Hoc  
**To:** Foggie, Kirk; Smith, Brooke  
**Cc:** LIA03 Hoc  
**Sent:** Fri Mar 25 09:27:56 2011  
**Subject:** FW: Emailing: boardfile.htm

I am trying find out the answer to question 3 if you can.

Steve

---

**From:** LIA08 Hoc  
**Sent:** Friday, March 25, 2011 9:19 AM  
**To:** Hoc, PMT12  
**Cc:** Sheron, Brian; McGinty, Tim; Ross-Lee, MaryJane; LIA02 Hoc; LIA03 Hoc; LIA06 Hoc  
**Subject:** RE: Emailing: boardfile.htm

Okay... I've copied our International Liaison to see if he can check in with the in-country team for some insight.

I'm reassigning the task we discussed (record 2593) to PMTR... hope that is the right PMT group. ☺  
Rani

---

**From:** Hoc, PMT12  
**Sent:** Friday, March 25, 2011 9:15 AM  
**To:** LIA08 Hoc  
**Cc:** Sheron, Brian; McGinty, Tim; Ross-Lee, MaryJane  
**Subject:** FW: Emailing: boardfile.htm

Ronnie,

We need to try to get Brian Sheron an answer to question 3 for a congressional call this afternoon. The PMT has no information. Can we possibly try to get it from our people on the ground. For convenience, I've copied the question below.

3.)It was reported that the Iodine levels in the Tokyo drinking water went down below allowable limits. Do we know what this is attributable to? Was it due to a shift in wind direction? Did the releases from the plant go down”?

---

**From:** Ross-Lee, MaryJane  
**Sent:** Friday, March 25, 2011 9:00 AM  
**To:** Hoc, PMT12  
**Subject:** FW: Emailing: boardfile.htm

---

**From:** Nelson, Robert  
**Sent:** Friday, March 25, 2011 8:10 AM  
**To:** McGinty, Tim; LIA06 Hoc  
**Cc:** LIA08 Hoc; PMT09 Hoc; ET07 Hoc; RST01 Hoc; Ross-Lee, MaryJane; Giitter, Joseph; Westreich, Barry; Kobetz, Timothy; ET05 Hoc; Zimmerman, Jacob  
**Subject:** RE: Emailing: boardfile.htm

If the Ops Center provides the answers to 1 – 3 (my team has no way to interact with the NRC-Japan team), my comm. team can get the answer to Item 4 and prepare a consolidated response for OPA review.

NELSON

---

**From:** McGinty, Tim  
**Sent:** Friday, March 25, 2011 2:18 AM  
**To:** LIA06 Hoc; Nelson, Robert  
**Cc:** LIA08 Hoc; PMT09 Hoc; McGinty, Tim; ET07 Hoc; RST01 Hoc; Ross-Lee, MaryJane; Giitter, Joseph; Westreich, Barry; Kobetz, Timothy; ET05 Hoc; Zimmerman, Jacob  
**Subject:** FW: Emailing: boardfile.htm

Jake – for the call this evening with the in-country team, we discussed that the NRC-Japan team may be the best source of information to address questions 1 and 2 below, and may also have insights on question 3. Please see what insights we can get from the team so we can pass them along to the line organization (Nelson is the focal point for comms).

For Question 4, I think the best response would come from DIRS on day shift, regarding the information that is in the TI being developed.

Nelson – the midnight shift ET wanted to get this tasker out of the Operations Center and into the line organization. The Protective Measures Team has a number of other higher priorities that we want them to be able to focus on. Can you respond to this email accepting the tasking so I can get it out of the Ops Center task tracker? Thanks, Tim

---

**From:** McGinty, Tim  
**Sent:** Friday, March 25, 2011 12:47 AM  
**To:** McGinty, Tim  
**Subject:** Emailing: boardfile.htm

**From:** OST02 HOC  
**Sent:** Thursday, March 24, 2011 7:03 PM  
**To:** ET05 Hoc  
**Subject:** FW: Congressional call Today

---

**From:** HOO Hoc  
**Sent:** Thursday, March 24, 2011 5:46 PM  
**To:** LIA07 Hoc; OST01 HOC; OST02 HOC; OST03 HOC  
**Subject:** FW: Congressional call Today

Headquarters Operations Officer  
U.S. Nuclear Regulatory Commission  
Phone: 301-816-5100  
Fax: 301-816-5151  
email: [hoo.hoc@nrc.gov](mailto:hoo.hoc@nrc.gov)  
secure e-mail: [hoo1@nrc.sgov.gov](mailto:hoo1@nrc.sgov.gov)

---

**From:** Sheron, Brian  
**Sent:** Thursday, March 24, 2011 3:40 PM  
**To:** HOO Hoc  
**Subject:** Congressional call Today

I received the following questions from congressional staff which I could not readily answer. Can you please ask the ET, RST and/or the PMT if they have any information that can address these questions?

- 1.) Two workers were reported to have been hospitalized due to radiation exposure. Have there been any more workers hospitalized, and do we know how they were exposed?
- 2.) Three workers were reported to have received radiation burns to their feet by spending too much time walking in contaminated water. Do we have any more information on this?
- 3.) It was reported that the Iodine levels in the Tokyo drinking water went down below allowable limits. Do we know what this is attributable to? Was it due to a shift in wind direction? Did the releases from the plant go down”?
- 4.) What action is the NRC taking regarding licensee plans to walk down their plants to confirm systems, procedures, etc., are in place to deal with natural phenomena? Are the resident inspectors going to accompany the licenses during the walkdowns?

Thanks.

---

**From:** 小幡 友一朗 <obatayuu@mod.go.jp>  
**Sent:** Friday, March 25, 2011 7:06 AM  
**To:** Young, Joseph M  
**Cc:** Monninger, John; jin.lim@dtra.gov; Tokyo PolMil Unit; Kimura, Ayako; Oikawa, Yufuko; Tanaka, Rodney CIV MDAO; Tanaka, Rodney S; Morales, Russell A; Huntington, Miki T LTC USA USFJ J54; USFJ-CAT-J5; 佐藤 佳久; (b)(6)  
**Subject:** Access Status (badge and vehicle)of NRC Meeting at MOD as of 25 March

Dear Mr. Young  
And to whom it may concern,

We have issued "multi access badges" or "white badges" to possible attendees and already handed out to you. A couple of more spare badges will be passed on by Major Sato later but if someone who doesn't have the badge is to attend the meeting and those who does have are not going to attend, please share them among your delegation.

In addition, we received a temporary vehicle permission pass which does not designate the specific car number. The pass will be also delivered by Major Sato, too.

With the vehicle pass, your car can go through the main gate and reach the Building A just as other registered Embassy/USFJ cars and with the white badges you can get inside the Building A. These are not required to be returned on each visit and you can keep them until the appropriate time.

But for tomorrow, since the car information had already been passed to Director General's Office, please receive & return the one day vehicle pass just as today.

Your continued support is greatly appreciated.

Best Regards, Obata..

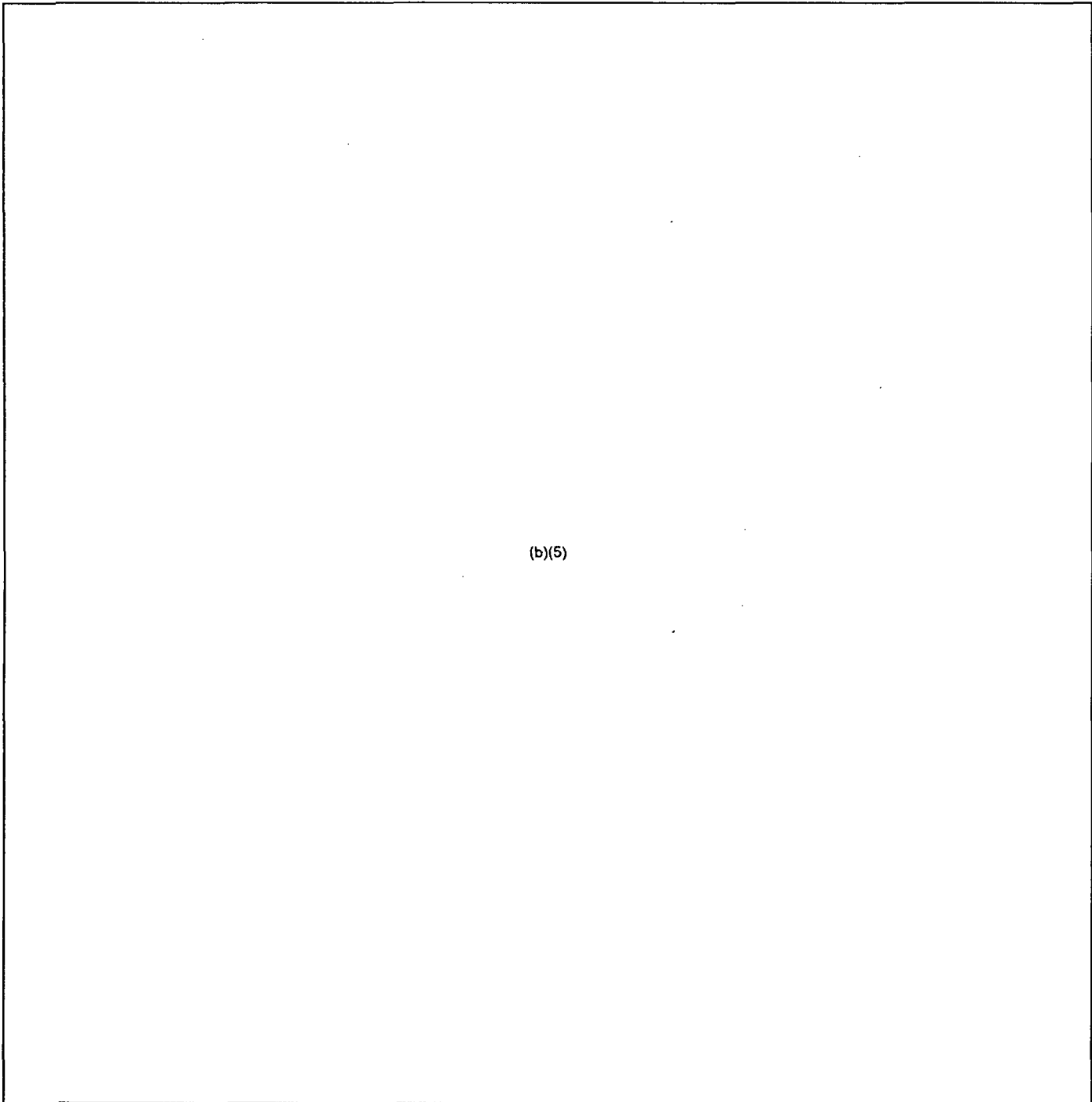
---

**From:** Laufer, Richard  
**Sent:** Friday, March 25, 2011 6:08 AM  
**To:** Hart, Ken; Baval, Rochelle; Vietti-Cook, Annette; Kasputys, Clare; Reddick, Darani; Davis, Roger; Thoma, John; Sharkey, Jeffrey; Batkin, Joshua; Herr, Linda; Bradford, Anna; Burns, Stephen; Coggins, Angela; Clark, Lisa; Hipschman, Thomas; Monninger, John; Shea, Pamela; Bozin, Sunny; Baggett, Steven; Andersen, James; Warren, Roberta; Mamish, Nader; Landau, Mindy; Marshall, Michael; Fopma, Melody; Orders, William; Nieh, Ho; Zorn, Jason; Franovich, Mike; Kock, Andrea; Crawford, Carrie; Bubar, Patrice; Temp, WCO; Snodderly, Michael; Sosa, Belkys; Tadesse, Rebecca; Bupp, Margaret; Temp, WDM; Svinicki, Kristine; Castleman, Patrick; Adler, James; Dhir, Neha; Muessle, Mary; Pearson, Laura; Warnick, Greg; Lisann, Elizabeth  
**Cc:** Rothschild, Trip; Itzkowitz, Marvin  
**Subject:** Status Update  
**Attachments:** Status Update.docx

Attached.

Rich

**STATUS UPDATE**



(b)(5)

STATUS OF FOIA REQUESTS

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FOIA NUMBER/SUBJECT	TO COMRS/SECY PERFECTED DATE	DUE DATE TO SECY COMRS/SECY	RECEIVED FROM STATUS/COMMENTS
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(b)(5)



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**From:** Scott, Michael  
**Sent:** Friday, March 25, 2011 5:39 AM  
**To:** Monninger, John; Foggie, Kirk; Dorman, Dan  
**Subject:** TALKING POINTS 3/25/11

- 1.
- 2.
- 3.

(b)(5)

---

**From:** Monninger, John  
**Sent:** Friday, March 25, 2011 5:15 AM  
**To:** Foggie, Kirk  
**Subject:** Offer of Equipment - Radiation Monitoring  
**Attachments:** US OFFER OF ASSISTANCE 03252011.docx

# US OFFER OF ASSISTANCE – March 25, 2011

Coordinated through US NRC and INPO

- **Radiation Friskers – Hand and foot monitors**
  - Donor – Bruce Power Station
  - Terms – Permanent donation
  - Equipment
    - 50 – 60 monitors
    - Aptec C7s or C7PC
    - Power – 1 amp/120 volts
    - Calibrated 10 nCi Tc-99 at 2 cm (hands) and 1.3 cm (feet)
    - <http://mgi.co.kr/pdf/HandFoot%20Monitor.pdf>
  
- **Radiation Monitors**
  - Donor – San Onofre
  - Terms – Permanent donation
  - Equipment
    - 6 Sentinel Teletector 6112 B
    - Range – 0-1000 R/hr
    - <http://sentinel.thomasnet.com/item/teletector-dose-rate-meter/teletector-6112m/pn-1228?bc=100|1013|1136&forward=1>
  
- **Radiation Monitors**
  - Donor - South Texas Project
  - Terms – Permanent donation
  - Equipment
    - Ludlum 43-2, 5 available, Alpha probe
    - Ludlum 44-10, 2 available, 2" x 2" NaI probe. Low-level, wide energy gamma detection
    - Ludlum 2929, 2 available, 0 – 9.99e5 counts, Dual Channel Alpha/Beta scaler
    - Ludlum 44-6, 55 available, Deadtime of 95  $\mu$ S, Beta-gamma detector probe, non-energy compensated GM tube
    - Ludlum 177, 19 available, General purpose benchtop ratemeter (typically for frisker use)
    - FH 40GX, 1 available, 1  $\mu$ R/h – 10 R/h, Digital Survey Meter
    - FH 40F5 Radiameter, 5 available, 300  $\mu$ R/h – 100 R/h,
    - F&J LV-1, 1 available, Low Volume Air Sampler
    - F&J HV-1, 12 available, High Volume Air Sampler
    - DOZ 862, 60 available, 0-1.5 R, Pocket Ion Chamber + 11 PIC chargers
    - DOZ 865, 120 available, 0-200 mR, Pocket Ion Chamber

---

**From:** Hochevar, Albert R. (INPO) <HochevarAR@INPO.org>  
**Sent:** Friday, March 25, 2011 4:58 AM  
**To:** Monninger, John  
**Subject:** Fw: TEPCO Equipment Request from STP  
**Attachments:** TEPCO (2) (2).doc

---

**From:** McCarthy, James H.  
**To:** Hochevar, Albert R. (INPO)  
**Sent:** Thu Mar 24 22:23:48 2011  
**Subject:** FW: TEPCO Equipment Request from STP  
Al

This is the e-mail from STP.

I will follow up with Cindy Connelly and Rick Nielsen in the morning to make sure we have the protocol nailed down for processing the input from the industry on this request.

Jim

---

**From:** Aguilera, Roger [mailto:raaguilera@STPEGS.COM]  
**Sent:** Thursday, March 24, 2011 8:11 PM  
**To:** Connelly, Cynthia L. (INPO); INPOERCAssistance  
**Subject:** TEPCO Equipment Request from STP

Cindy,

See attached list of equipment we would be able to send to Japan. All instrumentation is in working order and is NOT radioactive.

Let me know if and when you need the equipment.

Thanks Roger

South Texas Project  
Radiation Protection Manager

(w) 361-972-8679

(c) (b)(6)

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Thank you.

Subject: Request to support events at Fukushima Daiichi Nuclear Plant

Dear RPMs,

INPO is assisting with Industry Support for Fukushima Nuclear Event

We recently learned that TEPCO, working through the NRC, has indicated that they may need additional radiation detection meters and robots to assist them in their efforts. Our first indication is that vendors may not be able to meet the request for these products and their inventory has been depleted. The instrument request is for friskers and dose rate meters. The instruments need to be in good working order, calibrated, and not radioactive material\*. Any instrument or robot should be considered a donation. It will not be returned nor will you be compensated for it. The station needs to detect alpha, beta, gamma and neutron with the biggest need being beta/gamma detection. For gamma radiation monitoring, a range of dose rate meters is needed, including handhelds (RO-20), extendables (telepoles), and very high range meters (AMPs).

As soon as you can, please review your inventory and let me know the instrument types and quantities that you would be able to supply if called upon. Also please list any robots you have available to donate. Once we receive the list we will contact you if any of the instruments are needed.

This is a great opportunity for the RP community to assist one in need.

Please email your response to [INPOERCAssistance@inpo.org](mailto:INPOERCAssistance@inpo.org) and me at [ConnellyCL@inpo.org](mailto:ConnellyCL@inpo.org)

\*If your supply of clean instrument is limited, include available instruments with fixed contamination noting this condition in the communication.

Thank you,

Instrument Model	Range	Number Available	Comments
Ludlum 43-2		5	Alpha probe
Ludlum 44-10		2	2" x 2" NaI probe. Low-level, wide energy gamma detection.
Ludlum 2929	0 – 9.99e5 counts	2	Dual Channel Alpha/Beta scaler
Ludlum 44-6	Deadtime of 95 $\mu$ S	55	Beta-gamma detector probe, non-energy compensated GM tube.
Ludlum 177	cpm	19	General purpose benchtop ratemeter (typically for frisker use).
FH 40GX	1 $\mu$ R/h – 10 R/h	1	Digital Survey Meter
FH 40F5 Radiameter	300 $\mu$ R/h – 100 R/h	5	Radiameter

F&J LV-1		1	Low Volume Air Sampler
F&J HV-1		12	High Volume Air Sampler
DOZ 862	0-1.5 R	60	Pocket Ion Chamber + 11 PIC chargers
DOZ 865	0-200 mR	120	Pocket Ion Chamber

Robot Description	Number Available	Capabilities

---

**From:** Leong, Aaron H (TDY/MDAO) <TDYLeongAH@state.gov>  
**Sent:** Friday, March 25, 2011 4:58 AM  
**To:** Young, Joseph M; JapanEmbassy, TaskForce  
**Cc:** Tokyo PolMil Unit; Burgess, Charles O (TMP/MDAO); Luke, Robert S; Monninger, John;  
Luke, Robert S; Spurlock, Kenneth R (TDY/MDAO)  
**Subject:** RE: Fukushima/Fresh Water Update

Joe,

Talked to CAPT Spurlock and it will most likely be JSDF who will cut a hole in the barge.

Recommend:

Fukushima/Fresh Water Update: The USN/NRC plan to supply fresh water to the Fukushima Dai-ichi nuclear plant was the focus of a bilateral interagency meeting hosted by MOD on March 25. (MOD has served as a venue for operational discussions that tee up nightly Kantei Crisis Center meetings.) Exchanges centered on the details of the strategy to use two modified USN barges as reservoirs of fresh water that could be pumped by Bechtel equipment (now at Yokota) to the reactors, replacing the increasingly corrosive seawater there. (Defense Minister Kitazawa mentioned this plan during his 1100 press conference on March 25.) Admiral Rowden briefed on possible plans to cut a hole in the barges that would allow placement of the Bechtel pumps into the fresh water, a task that may require the vessels to divert temporarily to Onahama port, south of Fukushima. Admiral Rowden also discussed ways to mitigate risks associated with the weather as well as the residual presence of diesel fuel that had been previously carried by the barges. In addition to the USN/NRC plan, the Japanese side described the supplemental option of trucking in industrial water from nearby sources. The Japanese cited the availability of several thousand tons of such water and outlined challenges to be resolved, such as contracting for the roughly 200 storage vehicles required and establishing procedures to approach/enter the 20 km exclusionary zone around Fukushima.

AARON H.K. LEONG, Lt Col, USAF  
Pol/Mil Coordinator  
Japan Emergency Command Center  
03-3224-5541

This email is UNCLASSIFIED.

---

**From:** Young, Joseph M  
**Sent:** Friday, March 25, 2011 5:15 PM  
**To:** JapanEmbassy, TaskForce  
**Cc:** Leong, Aaron H (TDY/MDAO); Tokyo PolMil Unit; Burgess, Charles O (TMP/MDAO); Luke, Robert S; 'Monninger, John'; Luke, Robert S  
**Subject:** Fukushima/Fresh Water Update

Fukushima/Fresh Water Update: The USN/NRC plan to supply fresh water to the Fukushima Dai-ichi nuclear plant was the focus of a bilateral interagency meeting hosted by MOD on March 25. (MOD has served as a venue for operational discussions that tee up nightly Kantei Crisis Center meetings.) Exchanges centered on the details of the strategy to use two modified USN barges as reservoirs of fresh water that could be pumped by Bechtel equipment (now at Yokota) to the reactors, replacing the increasingly corrosive seawater there. (Defense Minister Kitazawa mentioned this plan during his 1100 press conference on March 25.) Admiral Rowden briefed on possible USN plans to cut a hole in the barges that would allow placement of the Bechtel pumps into the fresh water, a task that may require the vessels to divert temporarily to Onahama port, south of Fukushima. Admiral Rowden also discussed ways to mitigate risks associated with the weather as well as the residual presence of diesel fuel that had been previously carried by the barges. In addition to the USN/NRC plan, the Japanese side described the supplemental option of trucking in industrial water from nearby sources. The Japanese cited the availability of several thousand tons of such water and outlined challenges to be resolved, such as contracting for the roughly 200 storage vehicles required and establishing procedures to approach/enter the 20 km exclusionary zone around Fukushima.

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



---

**From:** JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>  
**Sent:** Friday, March 25, 2011 4:46 AM  
**To:** PMT01 Hoc; JapanEmbassy, TaskForce; Alan Remick DOE; Aleshia Duncan; Amy Sink OFDA; Cook, William; Brian Lewis; Smith, Brooke; Bryan Moyers Liaison Dir Submarine Group Seven; Cherry, Ronald C; Casto, Chuck; Courtney Brown; Damian Peko; Dorman, Dan; Daniel Blumenthal; Darrel DeHaven, Senior NR Rep Yokosuka; Dudley, Katherine F; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp NRC; Jessica Webster; Joe Hughart HHS; Joe Hughart OFDA; Monninger, John; Johnstone, Gregg M; Ken Spurlock; Foggie, Kirk; Lewis, Brian M (TDY/RSO); LTC Andrae Brooks; MAJ Keith Simmers; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Russ Morales; Thomas Murphy, Rad.Controls Dir. Puget Sound Navel; Nakanishi, Tony; Ulses, Anthony; Webster, Jessica M (TDY/ECN)  
**Cc:** LIA02 Hoc; LIA01 Hoc; FOIA Response.hoc Resource  
**Subject:** RE: Radiation data by MEXT

Mr. Quinlan - I am looping in our local NRC team and embassy DOE team to answer your question. As for the "JapanEmbassy, Task Force" or "JECC", we have not made a spreadsheet of this data.

Thank you,

Lynda

This email is UNCLASSIFIED

on behalf of the Japan Emergency Command Center, +81-3-3224- 5533

Lynda Hinds  
Staff Assistant to Ambassador John V. Roos U.S. Embassy  
1-10-5 Akasaka, Minato-ku  
Tokyo 107-8420  
Tel. (03) 3224- 5370

[Twitter.com/AmbassadorRoos](https://twitter.com/AmbassadorRoos)

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

**From:** PMT01 Hoc [mailto:PMT01.Hoc@nrc.gov]  
**Sent:** Friday, March 25, 2011 3:14 PM  
**To:** JapanEmbassy, TaskForce  
**Cc:** LIA02 Hoc; LIA01 Hoc; FOIA Response.hoc Resource  
**Subject:** RE: Radiation data by MEXT

Japan Embassy Task Force,

Thank you for the MEXT Data, it is very useful to have.

Do you happen to have a spreadsheet compiled that contains all of this data entered by receptor and time?

I just wanted to check and make sure before entering all of the data by hand.

Thanks,  
Kevin Quinlan  
PMT Meteorologist

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

From: JapanEmbassy, TaskForce [mailto:JapanEmbassyTaskForce@state.gov]

Sent: Friday, March 25, 2011 1:34 AM

To: [redacted] (b)(6)

[redacted] (b)(6)

Subject: FW: Radiation data by MEXT

Jennifer Clever  
Japan Emergency Command Center  
U.S. Embassy, Tokyo

SBU

This email is UNCLASSIFIED-----Original Message-----

From: saigai03@mext.go.jp [mailto:saigai03@mext.go.jp]

Sent: Friday, March 25, 2011 2:34 PM

To: Cherry, Ronald C

Cc: [redacted] (b)(6)

[redacted] (b)(6)

Subject: Radiation data by MEXT

Dear Mr. Cherry,

Please see attached the document.

Sincerely yours,  
Eiko SENAMI

Eiko SENAMI (Ms.)  
Office of International Relations, Nuclear Safety Division, Ministry of Education, Culture, Sports, Science and Technology  
- Japan

---

**From:** Wall, Marc M <WallMM@state.gov>  
**Sent:** Friday, March 25, 2011 4:24 AM  
**To:** dartdoeliasion1@ofda.gov; aleshia.duncan@nuclear.energy.gov; asink@ofda.gov; william.cook@nrc.gov; lewisbm@fcmp.org; brooke.smith@nrc.gov; (b)(6) Cherry, Ronald C; chuck.casto@nrc.gov; cobrown@ofda.gov; damian.peko@nuclear.energy.gov; dan.dorman@nrc.gov; daniel.blumenthal@nnsa.doe.gov (b)(6); Dudley, Katherine F; Duncan, Aleshia D; Howard, E. Bruce; jack.foster@nrc.gov; james.trapp@nrc.gov; (b)(6); Webster, Jessica M (TDY/ECN); joseph.hughart@foh.hhs.gov; jhughart@ofda.gov; john.monninger@nrc.gov; Johnstone, Gregg M; (b)(6); kirk.foggie@nrc.gov; Lewis, Brian M (TDY/RSO); (b)(6); Mears, Jeremy M; Morales, Russell A; richard.devercelly@nrc.gov; russ@earthtabi.com; (b)(6) (b)(6); tony.nakanishi@nrc.gov; anthony.ulsas@nrc.gov  
**Cc:** Zumwalt, James P; Basalla, Suzanne I; JapanEmbassy, TaskForce  
**Subject:** key GOJ contacts  
**Attachments:** GOJ contacts.doc

The GOJ Cabinet Secretariat has provided in the attachment the names and contact information of key GOJ officials working the nuclear issue.

Marc Wall

This email is UNCLASSIFIED.

Meeting with U.S. Nuclear Regulatory Commission  
List of Japanese Participants

Government	Name, Position	Contact person
	Mr. Hosono, Special Advisor to the Prime Minister	03-3568-8928
	Mr. Fukuyama, Deputy Chief Cabinet Secretary	03-5532-8615
	Mr. Nagashima, Member of the House of Representatives	03-3508-7464
Cabinet Secretariat	Mr. Ito, Deputy Chief Cabinet Secretary for Crisis Management	03-5253-2248
	Mr. Nishikawa, Assistant Chief Cabinet Secretary	03-5253-2249
	Mr. Kawai, Assistant Chief Cabinet Secretary	03-3581-2328
	Mr. Uematsu, Director of Cabinet Intelligence	03-5253-2250
	Mr. Saito, Councillor, Cabinet Secretariat	03-6203-0456
	Mr. Nagai, Counsellor, Cabinet Secretariat	03-5253-2204
Nuclear Safety Commission	Mr. Kukita, Deputy chair Mr. Kakuta, Director, Regulatory Guides and Review Division	Toyota, Kaneko 03-3581-9919 <a href="mailto:takashi.toyota@cao.go.jp">takashi.toyota@cao.go.jp</a> <a href="mailto:tadatoshi.kaneko@cao.go.jp">tadatoshi.kaneko@cao.go.jp</a>
Ministry of Foreign Affairs	Mr. Miyagawa, Director General, Disarmament, Non-Proliferation and Science Department Mr. Hatori, Counsel(交渉官), International Nuclear Energy Cooperation Division Mr. Koube, Senior Coordinator for Japan-U.S. Security Affairs	Hatori 03-5501-8227 <a href="mailto:takashi.hatori@mofa.go.jp">takashi.hatori@mofa.go.jp</a>
Ministry of Education, Culture, Sports,	Mr. Kato, Deputy Director General, Minister's Secretariat	Aso, Kobayashi 03-6734-4631 <a href="mailto:Saigai35@mext.go.jp">Saigai35@mext.go.jp</a>

Science, and Technology		
Ministry of Health, Labor and Welfare	Mr. Ohtani, Director General, Health Policy Bureau Mr. Tsukahara, Director, Health Science Division	Asanuma 03-3503-6047 <a href="mailto:asanuma-kuzunari@mhlw.go.jp">asanuma-kuzunari@mhlw.go.jp</a> Yamada: <a href="mailto:yamada-shouhei@mhlw.go.jp">yamada-shouhei@mhlw.go.jp</a>
Ministry of Economy, Trade,	Mr. Imai, Councilor, Trade and Economic Cooperation Bureau	Mori, 03-3268-3111(20951) <a href="mailto:mikihay@mod.go.jp">mikihay@mod.go.jp</a>
Nuclear and Industrial Safety Agency	Mr. Nei, Deputy Director General for Nuclear Fuel Cycle Mr. Yasui, Director General for Energy Conservation and Renewable Energy Department Mr. Oshima, Director for Safety Examination	Sakauchi 03-3501-1087 <a href="mailto:bannai-toshihiro@meti.go.jp">bannai-toshihiro@meti.go.jp</a> Koyama <a href="mailto:koyama-masaomi@meti.go.jp">koyama-masaomi@meti.go.jp</a>
Ministry of Defense	Mr. Takamizawa, Director General, Bureau of Defense Policy Mr. Isobe, Director, Defense Plans and Policy Department(J-5), Joint Staff Office Mr. Suzuki, Deputy Director General, Minister's Secretariat	Major Sato 03-3268-3111 (内 20362) <a href="mailto:satouyosh@mod.go.jp">satouyosh@mod.go.jp</a>
Tokyo Electric Power Company	Mr. Muto, Vice President Mr. Takahashi, Fellow Mr. Zama, Director	Muto : 090-3546-5244 <a href="mailto:muto.sakae@tepcoco.jp">muto.sakae@tepcoco.jp</a> Takahashi : 080-5954-7605 <a href="mailto:takahashi.akio@tepcoco.jp">takahashi.akio@tepcoco.jp</a> Zama : 03-4586-6783 <a href="mailto:zama.toshiyuki@tepcoco.jp">zama.toshiyuki@tepcoco.jp</a>

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**From:** Scott, Michael  
**Sent:** Friday, March 25, 2011 3:50 AM  
**To:** Monninger, John  
**Subject:** FW: Field call 1700

Any idea on what this is?

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

**From:** Brown, Courtney [mailto:cobrown@ofda.gov]  
**Sent:** Friday, March 25, 2011 3:35 AM  
**To:** DART\_PACTSU  
**Subject:** Field call 1700

Use the dart call in number and access code.

---

**From:** Scott, Michael  
**Sent:** Friday, March 25, 2011 3:48 AM  
**To:** Monninger, John  
**Subject:** FW: RST tracker for Japan  
**Attachments:** boarddata.pdf

Can you please print this? The update you requested.

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

**From:** RST01 Hoc  
**Sent:** Friday, March 25, 2011 3:05 AM  
**To:** Scott, Michael  
**Subject:** RE: RST tracker for Japan

Attached what you are looking for?

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

**From:** Scott, Michael  
**Sent:** Friday, March 25, 2011 3:02 AM  
**To:** RST01 Hoc  
**Subject:** RE: RST tracker for Japan

What we were asking for was the color-coded RST tracker spreadsheet that comes out of the RST computer system About three pages in the older version we had. Does that parallel the list in the e-mail you sent?

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

**From:** RST01 Hoc  
**Sent:** Thursday, March 24, 2011 9:36 PM  
**To:** Scott, Michael  
**Subject:** RE: RST tracker for Japan

Mike,

Let me know if this helps.

Due 3/25 0700

Desc: E-mail request from Josh Batkin (3/24 @ 1818)

Can you please have your staffs work together to provide more detailed information than he has now for his call tomorrow morning? The Chairman is interested in more detail on the status of the cooperative effort between our team and the Japanese, any challenges or concerns about that coordination, specific requests he should make of the Ambassador, any knowledge you might have about what the Ambassador may ask him, and any other information you think is relevant.

Due 3/25 0045

Desc: Review AREVA Fukushima Daiichi Incident report, dated 3/24/11 report for possible additional/new insights that could change our current status, and therefore change our assessment or recommendations.

Due 3/25 0345



Desc: Develop trend data of relevant reactor system parameters as instrumentation at the Fukushima reactors becomes available and dependable.

Thanks,

Brett Rini  
RST Coordinator

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

From: Scott, Michael  
Sent: Thursday, March 24, 2011 9:10 PM  
To: RST01 Hoc  
Subject: RST tracker for Japan

Hi. Can I please get an e-copy of your latest Japan task tracker?

Thanks

Mike Scott  
Japan team

Sent from my NRC blackberry  
Michael Scott

(b)(6)

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

From: Nakanishi, Tony  
To: RST01 Hoc  
Cc: Blamey, Alan; Scott, Michael  
Sent: Thu Mar 24 18:33:47 2011  
Subject: Integrated Response Team Procedure for Core cooling

I received this from NISA. It documents the response plan for cooling the reactor. It's written in Japanese. If possible, please have it translated and provide our evaluation. It provides some cautionary measures on preventing H2 explosion, steam explosion, etc.

Closed Entries

Team Tasks

My Requests

All Tasks

Site Tasks

Search

Priority	Originator Date/Time Requested	Description/Response	Assigned To Date/Time	Time Due/ Completed	Requestor	Status	Edit
1 High	Record #: <a href="#">2733</a> RST Coordinator <i>Brett Rini</i> 03/24/2011 22:47:20	Desc: Evaluate data from Len Ward on salt accumulation Response:	RST (All) 03/24/2011 22:47:20	03/25/2011 11:47:00	Bill Ruland	1: Unassigned	<a href="#">Edit</a>
	Request Attachment:	Response Attachment:					
1 High	Record #: <a href="#">2731</a> RST Director <i>William Ruland</i> 03/24/2011 22:56:55	Desc: Confirm plant conditions for input to Source Terms calculations for each unit, if possible Response:	RST (All) RST Accident Seq Analyst 03/24/2011 22:56:55	03/25/2011 05:57:00	RST director	2: Assigned	<a href="#">Edit</a>
	Request Attachment:	Response Attachment:					
1 High	Record #: <a href="#">2715</a> EST Actions Officer <i>Dori Votolato</i> 03/24/2011 21:23:52	Desc: Identify potential management personnel to serve as a Liaison from NRC to the Adm. Willard in the Pacific Command in Honolulu. Requested on 3/24 at 8:30pm by telephone from Piccuta, Foreign Policy Advisor to Adm Willard. Update to Tasking - Contact Mr. Piccuta to elicit the type of expertise that would best serve the Admirals needs. For example, dose projections, reactor systems, SAMG's, Naval background, etc. Consulted with NR rep in Ops Ctr, who recommended talking with the aide directly, and also not offering what we don't have. Response:	EST Executive Support Team (All) 03/24/2011 21:23:52	03/25/2011 10:28:00	ET	2: Assigned	<a href="#">Edit</a>
	Request Attachment:	Response Attachment:					
1 High	Record #: <a href="#">2241</a> EST Actions Officer <i>Dori Votolato</i> 03/22/2011 18:50:21	Desc: Coordinate with Bechtel concerning Public inquires of Bechtel efforts to support Japanese Reactors in concert with Embassy. Want status of efforts to send Bechtel equipment to Japan. Response: What do you want?	OPA (All) 03/22/2011 18:50:21	03/23/2011 01:51:00	ET	2: Assigned	<a href="#">Edit</a>
	Request Attachment:	Response Attachment:					
1 High	Record #: <a href="#">2708</a> EST Actions Officer <i>Dori Votolato</i> 03/24/2011 20:45:09	Desc: Establish points where we are consistently receiving data on radiation levels at the site (e.g., at the main gate) and provide trending data. Response: Meteorologist (PMT01) is currently working on this specific task.	PMTR (All) 03/24/2011 20:45:09	03/25/2011 03:47:00	ET	3: Accepted	<a href="#">Edit</a>
	Request Attachment:	Response Attachment:					
1 High	Record #: <a href="#">2695</a> EST Actions Officer <i>Dori Votolato</i> 03/24/2011 19:01:50	Desc: Please provide a more detailed input to the Chairman on the status of the cooperative effort between our team and the Japanese, any challenges or concerns, specific requests he should make of the Ambassador, any questions the Ambassador may ask him, and any other relevant information. Due to OIP from ET by 8:30am. See email attached. Response:	PMTR (All) 03/24/2011 19:01:50	03/25/2011 08:02:00	ET/OIP	3: Accepted	<a href="#">Edit</a>
	Request Attachment:	Response Attachment:					
		Desc: Respond to Congressional questions:  1) Two workers were reported to have been hospitalized due to radiation exposure. Have there been any more workers hospitalized, and do we know how they were exposed?					



1 High	Dori Votolato	walking in contaminated water. Do we have any more information on this?  3) It was reported that the Iodine levels in the Tokyo drinking water went down below allowable limits. Do we know what this is attributable to? Was it due to a shift in wind direction? Did the releases from the plant go down"?		12:00:00	ET	3: Accepted	Edit
	03/24/2011 18:37:51	Response: 1. We do not know of any more workers that were hospitalized. We will be confirming this on 0300 call.  2. They were working in the basement of Unit 3 Turbine building where contaminated water was on the floor; exposure was 180mSv, 179mSv, and 173 mSv. Two of the workers had severely contaminated their feet and were transferred to Fukushima Prefecture Medical University.  3. We do not have information on this.	03/24/2011 18:37:51				
Request Attachment:		Response Attachment:					
1 High	Record #: <u>2660</u> EST Actions Officer Wendy Reed	Desc: In response to PMT briefing to ET: For MELCOR Transpacific model, find out dose estimate for Alaska.	PMTR (All) PMTM/T Rad Assessment Assistant Dir	03/24/2011 15:57:00	ET	3: Accepted	Edit
	03/24/2011 13:57:31	Response:	03/24/2011 13:57:31				
Request Attachment:		Response Attachment:					
1 High	Record #: <u>2536</u> EST Dir and Response Advisor Tim McGinty	Desc: NISA requests, via Mike Scott, insights on information related to steps for recovery based on our experience with TMI. Consider asking NRC Historian	OST (All)	03/25/2011 16:23:23	ET	3: Accepted	Edit
	03/24/2011 06:23:23	Response: LT Director to discuss this assignment to ensure it is tasked to the appropriate folks. Tony McMurtry assigning to organization outside this tasking list	03/24/2011 06:23:23				
Request Attachment:		Response Attachment:					
1 High	Record #: <u>2356</u> PMTR Deputy Director Sandra Wastler	Desc: Call scheduled with Nuclear Technical Advisory Group/White House this Monday, March 28, 2011 at 12:30 EST. Dial in Phone Number: 202-395-6392 Passcode: 149 5542# (NEW). J. Bentz will be sending information on this meeting.	PMTR (All)	03/28/2011 13:58:13	White House	3: Accepted	Edit
	03/23/2011 13:58:13	Response:	03/23/2011 13:58:13				
Request Attachment:		Response Attachment:					
1 High	Record #: <u>2665</u> EST Actions Officer Wendy Reed	Desc: Please confirm that Steve Aoki and Pete Lyons (both DOE) have the contact info for the 1000 daily call (as per email).	LT (All)	03/24/2011 21:28:00	ET	4: In Progress	Edit
	03/24/2011 14:28:24	Response:	03/24/2011 14:28:24				
Request Attachment:		Response Attachment:					
1 High	Record #: <u>2657</u> PMTR Prot Actions Assistant Dir Sandra Wastler	Desc: Request sent to Julia Bentz, EOP, to have a telecon between NRC, DOE, and EPA to discuss Management of Environmental Data from US Nuclear Power Plants (see e-mail from T. Reis to J. Bentz on 3/24). Follow-up if we do not hear back from Julie (202-456-2289) tomorrow aft (Friday noon).	PMTR (All)	03/25/2011 12:00:00	PMT	4: In Progress	Edit
	03/24/2011 13:39:29	Response:	03/24/2011 13:39:29				
Request Attachment:		Response Attachment:					
1 High	Record #: <u>2631</u> EST Actions Officer Wendy Reed	Desc: NRC 90 day review should not interfere with ongoing response to Japan.	PMTR (All) PMTR Director	03/31/2011 14:51:00	EST	4: In Progress	Edit
	03/24/2011 12:51:28	Response:	03/24/2011 12:51:28				
Request Attachment:		Response Attachment:					



1 High	Wendy Reed				ES I	Progress	
	03/24/2011 12:48:56	Response:	03/24/2011 12:48:56	03/31/2011 12:51:58			
Request Attachment:			Response Attachment:				
1 High	Record #: <u>2594</u> EST Actions Officer Wendy Reed	Desc: Formulate list of source terms send to NARAC.  Format: Date and time, what it is called (ex: Trans-pacific, Melcor, Toyko model, etc), what are the assumptions, why was it generated. Provide a copy to Undine Shoop when completed.	PMTR (All) PMTM/T Rad Assessment Assistant Dir	03/27/2011 12:00:00	ET	4: In Progress	Edit
	03/24/2011 10:56:38	Response:	03/24/2011 10:56:38				
Request Attachment:			Response Attachment:				
1 High	Record #: <u>2574</u> PMTR Prot Actions Assistant Dir Sandra Wastler	Desc: Reconcile differenced in the containment leakage/sfp criteria used in the NARAC plausible realistic case for Tokoyo. Numbers used are unconservative. Can numbers be scaled up or is a rerun necessary	PMTR (All) PMTR Rad Assessment Assistant Dir	03/24/2011 16:51:00	PMT	4: In Progress	Edit
	03/24/2011 09:51:49	Response:	03/24/2011 09:51:49				
Request Attachment:			Response Attachment:				
1 High	Record #: <u>2521</u> EST Actions Officer Kelly Grimes	Desc: Support Dept of State regarding desire to allow personnel to re-enter the 12 to 50 miles zone to retrieve personal items	PMTR (All) PMTR Director	03/24/2011 16:00:00	ET	4: In Progress	Edit
	03/24/2011 01:13:48	Response:	03/24/2011 01:13:48				
Request Attachment:			Response Attachment:				
1 High	Record #: <u>2314</u> EST Actions Officer Melissa Ralph	Desc: Check on what can be provided to industry from the State Department minutes of the cabinet meetings. If minutes cannot be provided, is there another summary that we can provide to industry?	LT (All) LT International Liaison	03/23/2011 17:48:00		4: In Progress	Edit
	03/23/2011 10:48:14	Response: Contacted Rick Devercelly who was sitting night shift today. He did not know the answer but will contact Chuck Casto as soon as it's a reasonable hour. We are expecting a response from Chuck.  Sent another email to Chuck for the meeting minutes and did not receive a response.	03/23/2011 10:48:14		ET		
Request Attachment:			Response Attachment:				
1 High	Record #: <u>2310</u> EST Actions Officer Melissa Ralph	Desc: Check on the level of international (non-US) participation in daily cabinet meetings and provide response back to ET and the Consortium.	LT (All) LT International Liaison	03/23/2011 17:46:00		4: In Progress	Edit
	03/23/2011 10:46:45	Response: Contacted Rick Devercelly who was sitting night shift today. He did not know the answer but will contact Chuck Casto as soon as it's a reasonable hour. We are expecting a response from Chuck.	03/23/2011 10:46:45		ET		
Request Attachment:			Response Attachment:				
1 High	Record #: <u>2242</u> EST Actions Officer Dori Votolato	Desc: Craft response to inquiry by R. Reed which asked that the NRC assess the ability of the US infrastructure to handle the current emergency in Japan (earthquake, tsunami, reactor, etc) if it were to occur to a domestic reactor.	OST (All)	03/23/2011 08:14:00	White House	4: In Progress	Edit
	03/22/2011 19:08:14	Response: When SRM is issued forward to R. Reed for response.	03/22/2011 19:08:14	03/29/2011 06:22:14			
Request Attachment:			Response Attachment:				
1 High	Record #: <u>2122</u> EST Actions Officer Melissa Ralph	Desc: Priorities established by the ET must be communicated to PMT, LT, and RST on turnover to ensure follow through.	ET (All)	04/15/2011 13:35:04	M. Weber	4: In Progress	Edit
	03/22/2011 08:06:19	Response:	03/22/2011 08:06:19				
Request Attachment:			Response Attachment:				



	Charles Murray	removed.			Progress	
	03/22/2011 01:02:47	Response:	03/22/2011 01:45:55			
Request Attachment:			Response Attachment:			
1 High	Record #: <u>1890</u> EST Actions Officer Dori Votolato	Desc: Marty will discuss the possibility of sharing the Ops Center Status Updates with Congressional Staffers with OCA. Should NRC also evaluate whether other shareholders could be included in this update (NEI, INPO). The Updates should remain OOU information and we should ask the recipients to protect them as such.	ET (All)	03/23/2011 17:30:00	ET	4: In Progress <input type="button" value="Edit"/>
	03/21/2011 04:24:51	Response: Update: M. Virgilio discussed feasibility of sharing HOC Status Updates with OCA and the Chairman's Office - ET currently evaluating whether a one-pager to be sent to the Chairman's Office should also be used to share with Congressional Staffers.	03/21/2011 04:24:51			
Request Attachment:			Response Attachment:			
1 High	Record #: <u>1496</u> PMTR Coordinator Duane Hardesty	Desc: Perform a realistic RASCAL assessment based on monitoring data or other information that characterizes the event in terms of the actual impact to public.	PMTR (All) PMTR Director	03/22/2011 23:00:00	ET	4: In Progress <input type="button" value="Edit"/>
	03/18/2011 06:47:08	Response: PMT RASCAL initially tasked with determining offsite dose estimate using field monitoring from MEXT on Mar 18 (overtaken by work on US source term run). Re-initiated on Mar 19 using MEXT and agreeing AMS data.	03/18/2011 06:47:08			
Request Attachment:			Response Attachment:			
1 High	Record #: <u>2710</u> RST Coordinator Brett Rini	Desc: E-mail request from Josh Batkin (3/24 @ 1818) Can you please have your staffs work together to provide more detailed information than he has now for his call tomorrow morning? The Chairman is interested in more detail on the status of the cooperative effort between our team and the Japanese, any challenges or concerns about that coordination, specific requests he should make of the Ambassador, any knowledge you might have about what the Ambassador may ask him, and any other information you think is relevant.	RST (All) LT International Liaison	03/25/2011 07:00:00	ET	6: Rejected <input type="button" value="Edit"/>
	03/24/2011 20:52:43	Response: Requested that action be sent to Kirk Foggie, OIP in Japan for best response.	03/24/2011 20:52:43	03/24/2011 21:59:09		
Request Attachment:			Response Attachment:			

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**From:** Berger, Claire <BergerMC@state.gov>  
**Sent:** Friday, March 25, 2011 3:45 AM  
**To:** Alan Remick DOE; Aleshia Duncan; Amy Sink OFDA; Cook, William; Brian Lewis; Smith, Brooke; Bryan Moyers Liaison Dir Submarine Group Seven; Cherry, Ronald C; Casto, Chuck; Courtney Brown; Damian Peko; Dorman, Dan; Daniel Blumenthal; Darrel DeHaven, Senior NR Rep Yokosuka; Dudley, Katherine F; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp NRC; Jessica Webster; Joe Hughart HHS; Joe Hughart OFDA; Monninger, John; Johnstone, Gregg M; Ken Spurlock; Foggie, Kirk; Lewis, Brian M (TDY/RSO); LTC Andrae Brooks; MAJ Keith Simmers; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Russ Morales; Thomas Murphy, Rad.Controls Dir. Puget Sound Navel; Nakanishi, Tony; Ulses, Anthony; Webster, Jessica M (TDY/ECN)  
**Subject:** test

one

Claire Berger  
Operations Assistant  
Japan Emergency Command Center  
U.S. Embassy Tokyo

This email is UNCLASSIFIED.

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**From:** Monninger, John  
**Sent:** Friday, March 25, 2011 2:47 AM  
**To:** Hochevarar@inpo.org  
**Subject:** FW: NRC team in Japan

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**From:** Monninger, John  
**Sent:** Friday, March 25, 2011 2:44 AM  
**To:** Hochebarar@inpo.org  
**Subject:** FW: NRC team in Japan

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**From:** Batkin, Joshua  
**Sent:** Thursday, March 24, 2011 6:31 PM  
**To:** Eric Washburn  
**Cc:** Casto, Chuck; Monninger, John  
**Subject:** NRC team in Japan

Eric – copied on this email and reachable at these numbers (Chuck Casto at (b)(6) and John Monninger at (b)(6)) are the leaders of the NRC team working out of the US embassy in Japan to provide technical assistance on the situation at the Fukushima nuclear power plant. Please link them up with the Toshiba folks also involved in the effort.

Thank you,  
Josh

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
U.S. Nuclear Regulatory Commission  
(301) 415- 1820

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**From:** Monninger, John  
**Sent:** Friday, March 25, 2011 2:26 AM  
**To:** Devercelly, Richard  
**Subject:** RE: IT WAS MY PLEASURE

The pleasure was all mine. It was awesome working with you. Have a safe trip back "Chuck".

---

**From:** Devercelly, Richard  
**Sent:** Thursday, March 24, 2011 6:25 PM  
**To:** Casto, Chuck; Monninger, John; Nakanishi, Tony; Cook, William; Foster, Jack; Smith, Brooke; Trapp, James; Ulses, Anthony; Foggie, Kirk  
**Cc:** Devercelly, Richard  
**Subject:** IT WAS MY PLEASURE

Hello First Wave Shipmates:

Just a quick note to express my admiration and appreciation for you all. A few short days ago this group of 10 knew little if anything about all of the others. As I have spoken a few times, it was impressive to watch this group form into a functioning team. Equally impressive was facing the challenges while maintaining a sense of humor.

It was my pleasure to meet and serve with you.

DeVo



---

**From:** Young, Joseph M <YoungJM@state.gov>  
**Sent:** Friday, March 25, 2011 1:56 AM  
**To:** Angelov, Bonnie A; Cherry, Ronald C; Aleshia Duncan; Wall, Marc M; Monninger, John; Casto, Chuck; Cook, William  
**Cc:** Fuller, Matthew G; Basalla, Suzanne I; Hinds, Lynda J; Luke, Robert S; Zumwalt, James P; Kimura, Ayako; Oikawa, Yufuko; Toledo, Ana Y  
**Subject:** RE: offer of nuclear industry briefing from local reps who met with NISA/TEPCO today

Thanks, Bonnie. I just confirmed with the industry reps.

Ana: Re VAA, I'll let you know as soon as I'm sent the names.

Aleshia/Ron: It was Jim Noyes from Westinghouse who contacted me about this.

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

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**From:** Angelov, Bonnie A  
**Sent:** Friday, March 25, 2011 2:53 PM  
**To:** Young, Joseph M; Cherry, Ronald C; 'Aleshia Duncan'; Wall, Marc M; 'Monninger, John'; 'Casto, Chuck'; 'Cook, William'  
**Cc:** Fuller, Matthew G; Basalla, Suzanne I; Hinds, Lynda J; Luke, Robert S; Zumwalt, James P  
**Subject:** RE: offer of nuclear industry briefing from local reps who met with NISA/TEPCO today

Joe, the Ambassador would like to meet with them. Please confirm 5:30pm. Will your office do the VAA/escorting?

Thanks,  
Bonnie

This email is UNCLASSIFIED.

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**From:** Angelov, Bonnie A  
**Sent:** Friday, March 25, 2011 2:12 PM  
**To:** Zumwalt, James P; Young, Joseph M; Cherry, Ronald C; 'Aleshia Duncan'; Wall, Marc M; 'Monninger, John'; 'Casto, Chuck'; Luke, Robert S; 'Cook, William'; Basalla, Suzanne I; Fuller, Matthew G; Hinds, Lynda J  
**Subject:** RE: offer of nuclear industry briefing from local reps who met with NISA/TEPCO today

Joe, he's booked until 5pm. I can adjust the Daily Round-up to accommodate a meeting after 5:30. I'll ask him when he returns from the Town Hall and get back to you. B.

This email is UNCLASSIFIED.

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**From:** Zumwalt, James P  
**Sent:** Friday, March 25, 2011 1:47 PM  
**To:** Young, Joseph M; Angelov, Bonnie A; Cherry, Ronald C; 'Aleshia Duncan'; Wall, Marc M; 'Monninger, John'; 'Casto, Chuck'; Luke, Robert S; 'Cook, William'; Basalla, Suzanne I; Fuller, Matthew G; Hinds, Lynda J  
**Subject:** RE: offer of nuclear industry briefing from local reps who met with NISA/TEPCO today

If not, I am willing to do this. Let me know. Jim

James P. Zumwalt  
Deputy Chief of Mission  
U.S. Embassy, Tokyo  
1-10-5 Akasaka  
Minato ku Tokyo 107-8420  
(03) 3224-5550  
<http://tokyo.usembassy.gov/zblog/e/zblog-email.html>

SBU  
This email is UNCLASSIFIED.

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**From:** Young, Joseph M  
**Sent:** Friday, March 25, 2011 1:46 PM  
**To:** Angelov, Bonnie A; Cherry, Ronald C; Aleshia Duncan; Wall, Marc M; 'Monninger, John'; Casto, Chuck; Zumwalt, James P; Luke, Robert S; Cook, William; Basalla, Suzanne I; Fuller, Matthew G; Hinds, Lynda J  
**Subject:** offer of nuclear industry briefing from local reps who met with NISA/TEPCO today

Bonnie: Would the Ambassador have any time available before 3:30 or after 5:30 today, March 25, for a 15-20 minute briefing from a group of private nuclear power reps who were briefed themselves today by TEPCO and NISA? The group would include representation from Westinghouse, Toshiba, Shaw, and Babcock & Wilcox. The reps thought that a read-out of their discussions might be of benefit to the Ambassador.

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

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**From:** Monninger, John  
**Sent:** Friday, March 25, 2011 1:55 AM  
**To:** Batkin, Joshua  
**Subject:** FW: offer of nuclear industry briefing from local reps who met with NISA/TEPCO today

Josh,

See below. Former Commissioner Merrifield is leading a US industry delegation here in Japan. It does not look to be coordinated with the US industry efforts (INPO, GE, etc.) nor the US government efforts. Though we don't have any control over this delegation, it would seem to be more appropriate for them to work through INPO. They are trying to meet with the US Ambassador.

John M.

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**From:** Young, Joseph M [Young]M@state.gov]  
**Sent:** Friday, March 25, 2011 12:45 AM  
**To:** Angelov, Bonnie A; Cherry, Ronald C; Aleshia Duncan; Wall, Marc M; Monninger, John; Casto, Chuck; Zumwalt, James P; Luke, Robert S; Cook, William; Basalla, Suzanne I; Fuller, Matthew G; Hinds, Lynda J  
**Subject:** offer of nuclear industry briefing from local reps who met with NISA/TEPCO today

Bonnie: Would the Ambassador have any time available before 3:30 or after 5:30 today, March 25, for a 15-20 minute briefing from a group of private nuclear power reps who were briefed themselves today by TEPCO and NISA? The group would include representation from Westinghouse, Toshiba, Shaw, and Babcock & Wilcox. The reps thought that a read-out of their discussions might be of benefit to the Ambassador.

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

---

**From:** Spurlock, Kenneth CAPT USN MDAO (b)(6)  
**Sent:** Friday, March 25, 2011 1:52 AM  
**To:** Monninger, John  
**Cc:** Young, Joseph M; Brown, Edward Col USAF MDAO  
**Subject:** water...

John,

Another semi-permanent angle is to get a high capacity Reverse Osmosis Unit-to draw seawater suction and then put straight into the holding tanks...

<http://www.pure-aqua.com/industrial-seawater-reverse-osmosis-swi-series.html#>

Ken

Ken Spurlock

Captain, USN

Director, Navy Surface Programs

Mutual Defense Assistance Office

US Embassy, Tokyo

DSN 315-224-5409

Comm 03-3224-5409

NIPR (b)(6)

SIPR: [spurlockkr@state.sgov.gov](mailto:spurlockkr@state.sgov.gov)

---

**From:** Young, Joseph M <YoungJM@state.gov>  
**Sent:** Friday, March 25, 2011 1:01 AM  
**To:** Tokyo PolMil Unit  
**Cc:** Lambert, Mark B (Beijing); JapanEmbassy, TaskForce; Luke, Robert S; Monninger, John; USFJ-CAT-J5; Wiltse, Jeffrey S COL USA USFJ J5  
**Subject:** KMAX update

KMAX Update: At a March 25 meeting hosted by MOD, Admiral Rowden asked the Japanese side to explain the uses that were envisioned for the KMAX unmanned helicopter. The Japanese side replied that the helicopter could be employed over the longer term in reconstruction efforts at the Fukushima Dai-ichi nuclear plant. In the nearer term, the helicopter could also be used to build a "shield" around the reactor units (for example, by stacking lead blocks) so as to provide access while protecting against radiation. Admiral Rowden observed that the Japanese side did not appear to need the aircraft within the next several days, and he requested that MOD DG Takamizawa ask Goshi Hosonso, Senior Advisor to the Prime Minister and GOJ chair of the bilateral Kantei Crisis Center meetings, to note at the 2000 meeting this evening, March 25, that the KMAX need not be delivered in the coming days. Admiral Rowden added that this approach might allow time not only for the GOJ to reevaluate its needs, but also for the USG to clarify administrative requirements for transfer of the aircraft.

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

---

**From:** Monninger, John  
**Sent:** Thursday, March 24, 2011 11:55 PM  
**To:** Cook, William  
**Subject:** RE: Bechtel / Barge / Sump Hole

Ok. We need to get the information to Admiral Rowden. It came up during the 10:00 am meeting at MoD.

---

**From:** Cook, William  
**Sent:** Thursday, March 24, 2011 10:26 PM  
**To:** Monninger, John  
**Subject:** Re: Bechtel / Barge / Sump Hole

It is one of many topics being discussed.  
Sent via NRC BlackBerry

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

**From:** Monninger, John  
**To:** Cook, William  
**Cc:** Scott, Michael; Blamey, Alan; 'YoungJM@state.gov' <YoungJM@state.gov>  
**Sent:** Thu Mar 24 22:09:48 2011  
**Subject:** Bechtel / Barge / Sump Hole

Bill

The sea water pumps need to go into the barge to suck the water. Current access hole is 1 meter. Understand the pump is about 4 x 1.3 m. Please work with Bechtel is coming up with hole size necessary in barge including any additional access area needed and wiggle room. Need a big enough hole for access but not too big to challenge barge structural integrity. Need hole size today because operations are moving forward.

John Monninger

(b)(6)

---

**From:** McCarthy, James H. <McCarthyJH@inpo.org> on behalf of INPOERCAssistance <INPOERCAssistance@inpo.org>  
**Sent:** Thursday, March 24, 2011 9:50 PM  
**To:** Monninger, John; INPOERCAssistance; Hochevar, Albert R. (INPO); Scott, Michael; Blamey, Alan  
**Cc:** Devercelly, Richard; Dorman, Dan  
**Subject:** RE: Hand and Foot Monitors

John  
Thanks  
I will place this in our action tracking.

FYI  
I have the duty tonight.

Jim McCarthy  
INPO Sr. Representative  
770 644-8118 (ERC)

---

**From:** Monninger, John [mailto:John.Monninger@nrc.gov]  
**Sent:** Thursday, March 24, 2011 9:17 PM  
**To:** INPOERCAssistance; Hochevar, Albert R. (INPO); Scott, Michael; Blamey, Alan  
**Cc:** Devercelly, Richard; Dorman, Dan  
**Subject:** Re: Hand and Foot Monitors

Many thanks Brian.

We will discuss with Japan today. Probably feedback/decision in 48 hours.

John Monninger

(b)(6)

---

**From:** O'Donnell, Brian C (INPO) <O'DonnellBC@INPO.org>  
**To:** Hochevar, Albert R. (INPO) <HochevarAR@INPO.org>  
**Cc:** Devercelly, Richard; Monninger, John  
**Sent:** Thu Mar 24 17:32:45 2011  
**Subject:** Hand and Foot Monitors

Al,

Bruce Power has about 50 – 60 hand and foot monitors that they could donate if the Japanese are interested. These are older devices that are surplus after Bruce bought new equipment. One thought is that these could be used at offsite locations, such as police or fire stations for first responders to check themselves or for scanning public that might be contaminated.

Below is the information on available monitors:

- \* Monitor types are Aptec C7s or C7PC
- \* They run on low power (~1 amp/120 volts)

\* They were calibrated for 10nCi Tc-99 at 2cm (hands) and 1.3 cm (feet)

<http://www.mgi.co.kr/pdf/HandFoot%20Monitor.pdf>

If there is interest, let me know and we will pursue shipment

Brian C. O'Donnell  
INPO Assistance Division  
770-644-8628 (W)

(b)(6)

(C)

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Thank you.

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Thank you.



---

**From:** nei-hisanori@meti.go.jp  
**Sent:** Thursday, March 24, 2011 9:12 PM  
**To:** Dorman, Dan  
**Cc:** Smith, Brooke; Monninger, John; kamagata-shoko@meti.go.jp; koyama-masaomi@meti.go.jp; Scott, Michael; noda-tomoki@meti.go.jp; oshima-toshiyuki@meti.go.jp; sakuma-yasuhiro@meti.go.jp  
**Subject:** Re: Meeting place in TEPCO Hisanori Nei

Dear Dan

Yes, we will meet at 1100 with TEPCO and Hosono-san to update plant status.

We can talk about any other matters on the margin of the meeting.

Best regards,

Hisanori Nei

|----->  
| 送信元: |  
|----->  
>-----|  
| "Dorman, Dan" <Dan.Dorman@nrc.gov> |  
>-----|  
|----->  
| 宛先: |  
|----->  
>-----|  
| "'sakuma-yasuhiro@meti.go.jp'" <sakuma-yasuhiro@meti.go.jp>, "Smith, Brooke" <Brooke.Smith@nrc.gov>, "Monninger, John" |  
| <John.Monninger@nrc.gov>, "Scott, Michael" <Michael.Scott@nrc.gov> |  
>-----|  
|----->  
| Cc: |  
|----->  
>-----|  
| "'nei-hisanori@meti.go.jp'" <nei-hisanori@meti.go.jp>, "'oshima-toshiyuki@meti.go.jp'" <oshima-toshiyuki@meti.go.jp>, |  
| "'koyama-masaomi@meti.go.jp'" <koyama-masaomi@meti.go.jp>, "'noda-tomoki@meti.go.jp'" <noda-tomoki@meti.go.jp>, |  
| "'kamagata-shoko@meti.go.jp'" <kamagata-shoko@meti.go.jp> |  
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| 2011/03/25 07:32 |

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|----->  
| 件名: |  
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>-----|  
|Re: Meeting place in TEPCO |  
>-----|

Good morning Sakuma-san. Thank you for this information.

I understand this to mean that the proposal to establish a place for US experts at TEPCO which was proposed and accepted last night will begin this morning at 11.

We had previously established a routine to have an organizational meeting with Nei-san at 1000 followed by a meeting at 1100 with TEPCO to update plant status. We would greatly appreciate a status update during the meeting at TEPCO at 1100.

Regarding the organizational meeting at 1000, I propose that any matters may be addressed on the margins of the TEPCO meeting and therefore we will plan to not come to NISA this morning at 1000.

If your understanding is different please let us know.

Best regards,

Dan

---

**From:** Monninger, John  
**Sent:** Thursday, March 24, 2011 8:57 PM  
**To:** Scott, Michael; Nakanishi, Tony; Blamey, Alan  
**Subject:** Fw: Meeting place in TEPCO

See below for TEPCO mtg.

John Monninger

(b)(6)

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

From: sakuma-yasuhiro@meti.go.jp <sakuma-yasuhiro@meti.go.jp>

To: Smith, Brooke; Dorman, Dan; Monninger, John

Cc: nei-hisanori@meti.go.jp <nei-hisanori@meti.go.jp>; oshima-toshiyuki@meti.go.jp <oshima-toshiyuki@meti.go.jp>; sakuma-yasuhiro@meti.go.jp <sakuma-yasuhiro@meti.go.jp>; koyama-masaomi@meti.go.jp <koyama-masaomi@meti.go.jp>; noda-tomoki@meti.go.jp <noda-tomoki@meti.go.jp>; kamagata-shoko@meti.go.jp <kamagata-shoko@meti.go.jp>

Sent: Thu Mar 24 12:33:59 2011

Subject: Meeting place in TEPCO

機密性 2

Dear John Monninger, Daniel Dorman and Brooke Smith,

Let me introduce myself, I am Yasu SAKUMA from NISA.

I am sending this mail to inform you of the wait time and place with METI side for tomorrow TEPCO meeting.

Mr Nei and Mr Oshima will wait for you in the lobby in TEPCO building at 11:00am. Please meet with them there tomorrow morning.

Thank you for your attention.

Best regards,  
Yasu

---

**From:** Batkin, Joshua  
**Sent:** Thursday, March 24, 2011 8:35 PM  
**To:** Monninger, John  
**Subject:** Trying you in 10

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Webster, Jessica M (TDY/ECN) <TDYWebsterJM@state.gov>  
**Sent:** Thursday, March 24, 2011 6:49 PM  
**To:** Cherry, Ronald C  
**Cc:** Duncan, Aleshia D; Young, Joseph M; [REDACTED] (b)(6); Casto, Chuck; Monninger, John; Zumwalt, James P  
**Subject:** EDITS (WEBSTER 3/25 AM) TO: Crisis Management Team DRAFT Meeting Notes-Please Comment/Clear

A few additions below. Thank you Aleshia for writing up.

Jessica

SBU  
This email is UNCLASSIFIED.

---

**From:** Duncan, Aleshia D  
**Sent:** Friday, March 25, 2011 12:35 AM  
**To:** Zumwalt, James P; Young, Joseph M; Spurlock, Kenneth R (TDY/MDAO); 'Chuck.Casto@nrc.gov'; 'John.Monninger@nrc.gov'  
**Cc:** Cherry, Ronald C; Rochman, Daniel A; JapanEmbassy, TaskForce; Webster, Jessica M (TDY/ECN); Duncan, Aleshia  
**Subject:** Crisis Management Team DRAFT Meeting Notes-Please Comment/Clear

DCM Zumwalt I have attached the draft for your review. If you determine any immediate information sharing should occur with Washington, Dan is the Embassy Task Force team lead tonight and is available to act on it.

All- Please comment/clear write up. Joe-please forward to USFJ.  
Please make sure to include Ron Cherry on your reply so that he can get this into the morning sitrep. Thank you.

[REDACTED]

(b)(5)

(b)(5)

This email is UNCLASSIFIED.

This email is UNCLASSIFIED.

---

**From:** Dorman, Dan  
**Sent:** Thursday, March 24, 2011 6:32 PM  
**To:** 'sakuma-yasuhiro@meti.go.jp'; Smith, Brooke; Monninger, John; Scott, Michael  
**Cc:** 'nei-hisanori@meti.go.jp'; 'oshima-toshiyuki@meti.go.jp'; 'koyama-masaomi@meti.go.jp'; 'noda-tomoki@meti.go.jp'; 'kamagata-shoko@meti.go.jp'  
**Subject:** Re: Meeting place in TEPCO

Good morning Sakuma-san. Thank you for this information.

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Regarding the organizational meeting at 1000, I propose that any matters may be addressed on the margins of the TEPCO meeting and therefore we will plan to not come to NISA this morning at 1000.

If your understanding is different please let us know.

Best regards,

Dan

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

**From:** sakuma-yasuhiro@meti.go.jp <sakuma-yasuhiro@meti.go.jp>  
**To:** Smith, Brooke; Dorman, Dan; Monninger, John  
**Cc:** nei-hisanori@meti.go.jp <nei-hisanori@meti.go.jp>; oshima-toshiyuki@meti.go.jp <oshima-toshiyuki@meti.go.jp>; sakuma-yasuhiro@meti.go.jp <sakuma-yasuhiro@meti.go.jp>; koyama-masaomi@meti.go.jp <koyama-masaomi@meti.go.jp>; noda-tomoki@meti.go.jp <noda-tomoki@meti.go.jp>; kamagata-shoko@meti.go.jp <kamagata-shoko@meti.go.jp>  
**Sent:** Thu Mar 24 12:33:59 2011  
**Subject:** Meeting place in TEPCO

機密性 2

Dear John Monninger, Daniel Dorman and Brooke Smith,

Let me introduce myself, I am Yasu SAKUMA from NISA.

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Mr Nei and Mr Oshima will wait for you in the lobby in TEPCO building at 11:00am. Please meet with them there tomorrow morning.

Thank you for your attention.



Best regards,  
Yasu

---

**From:** Young, Joseph M <YoungJM@state.gov>  
**Sent:** Thursday, March 24, 2011 6:19 PM  
**To:** Cherry, Ronald C; Aleshia.Duncan@nuclear.energy.gov; Cook, William; Smith, Brooke; Casto, Chuck; BROWNCM@nv.doe.gov; Damian.Peko@nuclear.energy.gov; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; [redacted] (b)(6); Monninger, John; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Nakanishi, Tony; Ulses, Anthony; Tokyo PolMil Unit; JapanEmbassy, TaskForce [redacted] (b)(6)  
**Cc:** Wall, Marc M; Zumwalt, James P [redacted] (b)(6); Oikawa, Yufuko; Toledo, Ana Y  
**Subject:** MOD-hosted meeting on Fukushima

For everyone going to the 10:00 meeting at MOD this morning, the van will depart at 9:40. If there any folks intending to go who did not go to the MOD meeting yesterday, please send your names to Oikawa-san, cc'd above.

Thanks,  
Joe

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

**From:** Young, Joseph M  
**To:** Cherry, Ronald C; 'Aleshia Duncan' <Aleshia.Duncan@nuclear.energy.gov>; 'Bill Cook' <William.Cook@nrc.gov>; 'Brooke Smith' <Brooke.Smith@nrc.gov>; 'Chuck Casto' <Chuck.Casto@nrc.gov>; 'Courtney Brown' <BROWNCM@nv.doe.gov>; 'Damian Peko' <Damian.Peko@nuclear.energy.gov>; Duncan, Aleshia D; Howard, E. Bruce; 'Jack Foster' <Jack.Foster@nrc.gov>; 'James Trapp' <James.Trapp@nrc.gov>; 'James Trapp (BB)' [redacted] (b)(6); 'John Monninger' <John.Monninger@nrc.gov>; 'Kirk Foggie' <Kirk.Foggie@nrc.gov>; Mears, Jeremy M; Morales, Russell A; 'Rick Devercelly' <Richard.Devercelly@nrc.gov>; 'Tony Nakanishi' <Tony.Nakanishi@nrc.gov>; 'Tony Ulses' <Anthony.Ulses@nrc.gov>; Tokyo PolMil Unit; JapanEmbassy, TaskForce; [redacted] (b)(6)  
**Cc:** Wall, Marc M; Zumwalt, James P; 'Wiltse, Jeffrey S COL USA USFJ J5' [redacted] (b)(6); Peyton, Paul P GS-14 USFJ J5 [redacted] (b)(6); USFJ-CAT-J5 [redacted] (b)(6); 'Cook, William' <William.Cook@nrc.gov>; Oikawa, Yufuko; Toledo, Ana Y  
**Sent:** Wed Mar 23 22:56:23 2011  
**Subject:** RE: GOJ request for informal MOD-hosted meeting on Fukushima

I just received word that MOD DG Takamizawa would like to host a smaller, more focused meeting at 2:00 at MOD to discuss operational information in a way that could support the Crisis Center meeting at 8:00 PM. The NRC is aware of this request and has been informed that TEPCO will also participate. MOD was hoping that our delegation could look like a miniaturized version of the delegation that has been going to the Crisis Center meetings. Please let me know who will be attending so that we can let MOD take care of access.

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

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

**From:** Cherry, Ronald C  
**Sent:** Thursday, March 24, 2011 11:00 AM

To: 'Aleshia Duncan'; 'Bill Cook'; 'Brooke Smith'; 'Chuck Casto'; 'Courtney Brown'; 'Damian Peko'; Duncan, Aleshia D; Howard, E. Bruce; 'Jack Foster'; 'James Trapp'; 'James Trapp (BB)'; 'John Monninger'; 'Kirk Foggie'; Mears, Jeremy M; Morales, Russell A; 'Rick Devercelly'; 'Tony Nakanishi'; 'Tony Ulses'; Tokyo PolMil Unit; JapanEmbassy, TaskForce;

(b)(6)

Cc: Wall, Marc M; Zumwalt, James P

Subject: GOJ request for informal meeting on robotics

All: METI has asked to have an informal meeting with us at 4 pm today to give feedback on the DOE paper and discuss potential assistance. Please let me know who can attend this meeting. Suggest at a minimum DOE, ECON, NRC, USFJ, DAO or MDAO.

GOJ participants will be

- Hiroyuki Hatada, Deputy Director, Aerospace and Defense Industry Division, METI
- Takayamai, Deputy Director General, Trade and Economic Cooperation Bureau, METI
- Noriaki Ozawa, Director, Office of Global Environment Technology, METI

Please advise soonest.

Thanks!

Ron

This email is UNCLASSIFIED

---

**From:** Friedman, Ara <afriedman@ofda.gov>  
**Sent:** Thursday, March 24, 2011 3:56 PM  
**To:** Monninger, John  
**Cc:** travel; RMTFACTSU\_AC; RMTFACTSU\_ELNRC; Johnson, Natalya  
**Subject:** Monninger TA Amendment 1-Japan-March 2011  
**Attachments:** Monninger-TA Amendment 1-Japan-March 2011.pdf

Hi John,

Please see attached for your approved TA Amendment authorizing your stay in Japan and your return ticket home. You should have already received a copy of your e-ticket from Manassas Travel (USAID's Travel Agency). We will send you instructions on how to voucher next week. In the meantime, gather all your receipts for expenses over \$75. Please let us know if you have any questions and have a safe flight home!

Ara Friedman  
Program Support Specialist  
USAID/Office of Foreign Disaster Assistance  
529 14th Street NW, Suite 700  
Washington, D.C. 20045  
(202) 661-9308

(b)(6)

(bb)

# E2 Travel Authorization

24 Mar 2011 @ 13:44:44

PRIVACY ACT NOTICE: The following information is provided to comply with the Privacy Act of 1974(P.S. 93-579). The information requested on the form is required under the provisions of 5 U.S.C. Chapter 57(as amended), Executive Orders 11609 of July 22, 1971, and 1102 of March 27, 1962, for the purpose of facilitating authorization action and the request for advance of funds for travel and other expenses to be incurred under administrative. The information contained in this form will be used by the Federal agency officers and employees who have a need for such information in the performance of their duties. Information will be transferred to appropriate Federal, State, local, or foreign agencies when relevant to civil, criminal or regulatory investigations, or prosecutions. Failure to provide the information required will result in delay or suspension of the processing of this form.

## Authorization Information

Document Number	Trip Status	Authorization Id	Type of Authorization
9911A1711	Open Voucher	2826738-1	Trip-by-Trip Authorization

Traveler	Official Duty Station	Title	Travel Charge Card Holder
JOHN MONNINGER	WASHINGTON, DC		No

Mailing Address	Office Phone	Home Phone
1300 Pennsylvania Ave NW Washington, DC 20004 US	202-712-0039	N/A

Type of Travel	Travel Purpose	Estimated Dates of Travel
Temporary Duty	Invitational Travel: Serve on Pacific/Tsunami DART	2011-03-14 thru 2011-04-14

## Authorized Itinerary

Cabin Class:	Coach						
Arrive	Depart	Time	Location	Car	Hotel	Mode	Notes
2011-03-14	2011-03-14	N/A	WASHINGTON, DC	NONE	No	CP	
2011-03-16	2011-04-14	N/A	TOKYO CITY, JPN	NONE	No	CP	Temporary Duty, LDG \$231, M & IE \$209
2011-04-14	2011-04-14	N/A	WASHINGTON, DC	NONE	No	NONE	

PA-C = Government auto available and committed  
 PA-NA = Government auto not available  
 PA-NC = Government auto available and not committed

## Authorization Expense Totals

Transport	Lodging	Meals & Incidentals	Car Rental	Local Transport	POV	Misc	Grand Total
4,022.50	0.00	6,583.50	0.00	0.00	0.00	1,078.00	11,684.00

## Authorization Accounting Information

Accounting String	Object Code	CBA Amount	Travel Charge Card Amount	Traveler Amount	Auth Amount

Accounting String	Object Code	CBA Amount	Travel Charge Card Amount	Traveler Amount	Auth Amount
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Segment Names: BBFY/EBFY/Fund/Treasury Symbol/Operating Unit/Program Area/Distribution Code/Program Element/Program Sub-Element/Team/Division/Benefiting Geo Area/Operating Unit Defined/Sub-Object Code/Program Target/Post Code/Bureau Code/Accounting Template/Commitment Document Type/Commitment Document No/Commitment Line No/Bilateral Obl Doc Type/Bilateral Obl Doc No/Bilateral Obl Line No

2011/NA/FD-X11/72X1035/DCHA/OFDA/A22/488-  
W/A089/NA/NA/488/NA/2100801/NA/799/NA/2011 DCHA PROGRAM  
FUNDS/NA/00011TQ005209/1/NA/NA/NA

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### Authorization Expense Summary

Location	Expense Category	Expense Type	Amount	Expense Reimbursement Type
TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	6,583.50	Perdiem
TOKYO CITY, JPN	Misc	Other Reimbursable Expenses Incurred	1,078.00	Perdiem
TOKYO CITY, JPN	Transport	Airfare	4,022.50	Perdiem

### Authorization Expense Lines

Line #	Date	Location	Expense Category	Expense Type	Claim Amt	Expense Reimbursement Type	Reason
1	2011-03-14	TOKYO CITY, JPN	Transport	Airfare	2,022.50	Perdiem	To Tokyo
2	2011-03-14	TOKYO CITY, JPN	Misc	Other Reimbursable Expenses Incurred	1,000.10	Perdiem	All authorized expenses incurred on trip
3	2011-03-14	TOKYO CITY, JPN	Misc	Voucher Transaction Fee	14.00	Perdiem	VTF
4	2011-03-14	TOKYO CITY, JPN	Misc	TMC Fee	63.90	Perdiem	Manassas Ticketing fee
5	2011-03-14	TOKYO CITY, JPN	Transport	Airfare	2,000.00	Perdiem	From Tokyo
6	2011-03-15	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	156.75	Perdiem	
7	2011-03-16	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
8	2011-03-17	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
9	2011-03-18	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
10	2011-03-19	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
11	2011-03-20	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
12	2011-03-21	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
13	2011-03-22	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	

Line #	Date	Location	Expense Category	Expense Type	Claim Amt	Expense Reimbursement Type	Reason
14	2011-03-23	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
15	2011-03-24	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
16	2011-03-25	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
17	2011-03-26	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
18	2011-03-27	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
19	2011-03-28	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
20	2011-03-29	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
21	2011-03-30	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
22	2011-03-31	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
23	2011-04-01	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
24	2011-04-02	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
25	2011-04-03	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
26	2011-04-04	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
27	2011-04-05	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
28	2011-04-06	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
29	2011-04-07	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
30	2011-04-08	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
31	2011-04-09	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
32	2011-04-10	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
33	2011-04-11	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
34	2011-04-12	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
35	2011-04-13	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	209.00	Perdiem	
36	2011-04-14	TOKYO CITY, JPN	Meals & Incidentals	Meals Perdiem	365.75	Perdiem	

### Authorization Remarks

Remark Details

Authorization Remarks - Trip ID: 2826738

Arranger - LISA M SCHAEFER

March 15, 2011 at 05:42 PM

Purpose: INVITATIONAL TRAVEL: Pacific Tsunami DART

Remark Details

A Lodging Plus per diem is authorized at the maximum daily rates. Lodging receipts are required. On the first and last days of travel, 75 percent of M and IE is authorized.

The following expenses are authorized: bottled water, business calls/internet, airport tax, ticket purchase, military transport, hotel tax, excess baggage, ATM/Travelers Check fees, most cost effective transportation - metro, shuttle, taxi, etc., in-country/regional travel, aircraft charter, hotel business center, and visa fees.

Traveler is authorized up to two checked bags, not to exceed airline weight allowance per bag. Charges levied by carriers on the first and/or second bag (within the airline weight limits) are allowable, excluding any charges levied as a result of excess weight. Receipts are required for any baggage payments.

Please charge airfare to the centrally-funded USAID/W travel Card.

Travel on military transport is Authorized -Air, Water and Ground-. On base billeting is authorized. Purchase of BX/PX, fuel and commissary privileges are authorized.

Administrative approval is given for authorized expenses incurred prior to this authorization.

A travel voucher must be submitted within 5 business days following completion of travel.

Receipts are required for all other expenses in excess of \$75.00.



Remark Details

Manassas Travel fees are authorized.

Arranger - ARA R FRIEDMAN

March 16, 2011 at 04:17 PM

A non-contract restricted fare is authorized under the SPACE ON A SCHEDULED CONTRACT FARE IS NOT AVAILABLE exception of FTR 301.10-107(c).

Contract flight schedule poses an obstacle to accomplishing purpose of travel. The traveler was joining the DART in Japan for emergency response activities and the non-contract flight allowed him to reach the disaster site a full 7 hours earlier. Based on the information provided above, DCHA/OFDA has concluded that the use of a non-contract carrier flight is more conducive to fulfilling this trips purpose. In this regard, this traveler may use United/British Airways for one leg of this trip. Diane Carter (M/AS/TT) has determined that the non-contract carrier flight is practical for the Government. This is not a request for an exception to Fly America requirements. Fly America will take precedence in the use of contract carrier flights.

Approver - ARA R FRIEDMAN

March 16, 2011 at 05:15 PM

The TQ number in Phoenix is 00011TQ005209.

Authorization Remarks - Trip ID: 2826738-1

Arranger - ARA R FRIEDMAN

March 22, 2011 at 02:10 PM

TA 00011TQ005209 is hereby amended to show a change in itinerary. The travelers trip is extended through April 14, 2011.

Please note that housing is provided in Tokyo.

All other conditions remain the same. An additional \$3,421 is needed.

Remark Details

Approver - ARA R FRIEDMAN

March 23, 2011 at 03:20 PM

The TQ number in Phoenix remains 00011TQ005209 with one amendment.

Authorization History

Date	Action
15MAR11 Tue 05:41PM	Status now New Authorization
15MAR11 Tue 05:41PM	Created by LISA M SCHAEFER for JOHN MONNINGER
15MAR11 Tue 05:41PM	Arranger LISA M SCHAEFER updated the cabin class to Coach Class
15MAR11 Tue 05:41PM	Booked Airfare/Common Carrier rate \$0.00 changed to \$2022.50 by SCHAEFER, LISA M for MONNINGER, JOHN
16MAR11 Wed 04:18PM	Submitted to DCHA-OFDA-PS-LEVEL 1 approver CHAN, CAROL by ARA R FRIEDMAN for JOHN MONNINGER
16MAR11 Wed 04:18PM	Reservation is optional, ARA R FRIEDMAN for JOHN MONNINGER sent to approver with no Reservation.
16MAR11 Wed 04:18PM	Status changed to: Pending Authorization Approval
16MAR11 Wed 04:18PM	FRIEDMAN, ARA R unlocked document: No approver specified.
16MAR11 Wed 04:22PM	PEYREBRUNE, JOHN C locked document for Approval.
16MAR11 Wed 04:22PM	Approved By DCHA-OFDA-PS-LEVEL 1 Approver PEYREBRUNE, JOHN C
16MAR11 Wed 04:22PM	Submitted to DCHA-OFDA-TRAVEL SPECIALIST by the System
16MAR11 Wed 05:14PM	FRIEDMAN, ARA R locked document for Approval.
16MAR11 Wed 05:16PM	Approved By DCHA-OFDA-TRAVEL SPECIALIST Approver FRIEDMAN, ARA R
16MAR11 Wed 05:16PM	Submitted to M-MS-TRAVEL AND TRANSPORTATION DIVISION by the System
17MAR11 Thu 08:54AM	JOHNSON, GWENDOLYN locked document for Approval.
17MAR11 Thu 12:00PM	Approving Official GWENDOLYN JOHNSON authorized per diem at TOKYO CITY, JPN
17MAR11 Thu 12:00PM	Status changed to: Open Voucher
17MAR11 Thu 12:00PM	Approved By M-MS-TRAVEL AND TRANSPORTATION DIVISION Approver JOHNSON, GWENDOLYN
17MAR11 Thu 12:00PM	Agency successfully notified of event: TripAuthorizationApproved for trip 2826738
17MAR11 Thu 12:00PM	Obligation status changed to: Pending Obligation
17MAR11 Thu 12:00PM	Obligation status changed to: Obligation Accepted
22MAR11 Tue 02:07PM	Amended to 2826738-1 by ARA R FRIEDMAN for JOHN MONNINGER
22MAR11 Tue 02:07PM	Status changed to: New Authorization

Date	Action
22MAR11 Tue 02:11PM	Submitted to DCHA-OFDA-PS-LEVEL 1 approver CHAN, CAROL by ARA R FRIEDMAN for JOHN MONNINGER
22MAR11 Tue 02:11PM	Reservation is optional, ARA R FRIEDMAN for JOHN MONNINGER sent to approver with no Reservation.
22MAR11 Tue 02:11PM	Status changed to: Pending Authorization Approval
22MAR11 Tue 02:11PM	FRIEDMAN, ARA R unlocked document: No approver specified.
22MAR11 Tue 02:42PM	TERRY, AMELIA R locked document for Approval.
22MAR11 Tue 02:43PM	Approved By DCHA-OFDA-PS-LEVEL 1 Approver TERRY, AMELIA R
22MAR11 Tue 02:43PM	Submitted to DCHA-OFDA-TRAVEL SPECIALIST by the System
23MAR11 Wed 03:19PM	FRIEDMAN, ARA R locked document for Approval.
23MAR11 Wed 03:20PM	Approved By DCHA-OFDA-TRAVEL SPECIALIST Approver FRIEDMAN, ARA R
23MAR11 Wed 03:20PM	Submitted to M-MS-TRAVEL AND TRANSPORTATION DIVISION by the System
23MAR11 Wed 03:30PM	JOHNSON, GWENDOLYN locked document for Approval.
24MAR11 Thu 10:09AM	Approving Official GWENDOLYN JOHNSON authorized per diem at TOKYO CITY, JPN
24MAR11 Thu 10:09AM	Status changed to: Open Voucher
24MAR11 Thu 10:09AM	Approved By M-MS-TRAVEL AND TRANSPORTATION DIVISION Approver JOHNSON, GWENDOLYN
24MAR11 Thu 10:09AM	Agency successfully notified of event: TripAuthorizationApproved for trip 2826738-1
24MAR11 Thu 10:09AM	Obligation status changed to: Pending Obligation
24MAR11 Thu 10:09AM	Obligation status changed to: Obligation Accepted

### Audit/Approver Information

Action	Official	Date / Time
Approved [DCHA-OFDA-PS-LEVEL 1]	TERR0127[TERRY,AMELIA]	2011-03-22
Approved [DCHA-OFDA-TRAVEL SPECIAL]	FRIE9308[FRIEDMAN,ARA]	2011-03-23
Approved [M-MS-TRAVEL AND TRANSPORT]	JOHN0664[JOHNSON,GWENDOLYN]	2011-03-24

---

**From:** rmtpactsu\_ac@ofda.gov  
**Sent:** Thursday, March 24, 2011 1:55 PM  
**To:** Monninger, John; rmtpactsu\_elnrc@ofda.gov; njohnson@ofda.gov  
**Subject:** Travel Reservation March 29 for JOHN DAVID MONNINGER

JOHN DAVID MONNINGER has asked us to deliver their itinerary information to you. You can [click here to view their travel information](#) using Sabre® Virtually There®

---

**From:** Devercelly, Richard  
**Sent:** Thursday, March 24, 2011 11:50 AM  
**To:** Nielsen, Rick M (INPO)  
**Cc:** Monninger, John  
**Subject:** RE: QUESTION: status on KI tablets

Good Morning/Evening Rick:

Information delivered to Japanese today. No reply from them yet.

Rick DeVercelly

---

**From:** Nielsen, Rick M (INPO) [NielsenFM@INPO.org]  
**Sent:** Thursday, March 24, 2011 7:50 AM  
**To:** Devercelly, Richard  
**Subject:** QUESTION: status on KI tablets

Hi Rick,

Is there any news on the KI need in Japan?

Rick Nielsen  
Corporate Evaluations

INPO  
770 644-8696 (office)  

(b)(6)	(cell)
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*In Pursuit of Excellence!*

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This e-mail and any of its attachments may contain proprietary INPO or WANO information that is privileged, confidential, or protected by copyright belonging to INPO or WANO. This e-mail is intended solely for the use of the individual or entity for which it is intended. If you are not the intended recipient of this e-mail, any dissemination, distribution, copying, or action taken in relation to the contents of and attachments to this e-mail is contrary to the rights of INPO or WANO and is prohibited. If you are not the intended recipient of this e-mail, please notify the sender immediately by return e-mail and permanently delete the original and any copy or printout of this e-mail and any attachments.  
Thank you.

---

**From:** Duncan, Aleshia D <DuncanAD@state.gov>  
**Sent:** Thursday, March 24, 2011 11:35 AM  
**To:** Zumwalt, James P; Young, Joseph M; Spurlock, Kenneth R (TDY/MDAO); Casto, Chuck; Monninger, John  
**Cc:** Cherry, Ronald C; Rochman, Daniel A; JapanEmbassy, TaskForce; Webster, Jessica M (TDY/ECN); Duncan, Aleshia  
**Subject:** Crisis Management Team DRAFT Meeting Notes-Please Comment/Clear

DCM Zumwalt I have attached the draft for your review. If you determine any immediate information sharing should occur with Washington, Dan is the Embassy Task Force team lead tonight and is available to act on it.

All- Please comment/clear write up. Joe-please forward to USFJ.

Please make sure to include Ron Cherry on your reply so that he can get this into the morning sitrep. Thank you.

(b)(5)

(b)(5)

This email is UNCLASSIFIED.

This email is UNCLASSIFIED.

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**From:** Cook, William  
**Sent:** Thursday, March 24, 2011 8:21 AM  
**To:** Monninger, John; Dorman, Dan  
**Subject:** RE: Email

John and Dan,

Have USFJ at Yokota (J4) working on putting together the information needed by the JSDF for determining transport needs for the pumping system.

Hoping for a rough estimate in the near term. Those Air Force guys are "can do" warriors.

Makes me proud to be an American,  
Bill

---

**From:** Monninger, John  
**Sent:** Thursday, March 24, 2011 7:58 AM  
**To:** Cook, William  
**Subject:** Email

Did you get my email on the specs?

John Monninger

(b)(6)



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**From:** Grana, Brian T. Maj USMC <(b)(6)>  
**Sent:** Thursday, March 24, 2011 8:22 AM  
**To:** Gregory, Katherine RDML USN; Cook, William; Monaghan, Dylan M Lt Col USAF MDAO  
**Cc:** Monninger, John; allan.Blamey@nrc.gov; Scanlon, Katherine A COL PACOM, J46; Pickett, Timothy LCDR PACOM, J46; Trevino, Luis CDR PACOM, J46; Williams, Joseph V LTC USA USFJ J4; Wall, Patrick L Col USMC USFJ J4; Anastasi, Matthew K. MAJ USA; Kindberg, Scott B MAJ USA USFJ J4; Simpkins, Glenn T LTC USA USFJ J0; Harris, Jeffrey W LTC PACOM, J4  
**Subject:** RE: HI PRIORITY Good news Bad news

Admiral/Gentlemen,

Great news!

Correction, 6 x 40' trailers.  
Our JSDF folks measured the equipment this afternoon for fidelity.  
(please do not tell anyone because I do not want them to get in trouble)

Will work get the measurements via SEPCOR.

V/R,

Brian

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

**From:** Cook, William [mailto:William.Cook@nrc.gov]  
**Sent:** Thursday, March 24, 2011 9:06 PM  
**To:** Grana, Brian T. Maj USMC; Monaghan, Dylan M Lt Col USAF MDAO  
**Cc:** Monninger, John; allan.Blamey@nrc.gov  
**Subject:** FW: HI PRIORITY Good news Bad news

Gentlemen,

GOJ has finally accepted all of the pumping systems, but now the JSDF would like to have the approximate dimensions and weight of all the gear to ensure they have adequate transport capability lined up. Aware of any convenient way of getting that info or perhaps you have some friends in the JSDF that have already eye-balled this equipment and have estimated the transport needs. The Aussies said the other night that they could get it all on three 40-foot trailers (a pump set on each trailer with associated hoses). Do we still think that is a good estimate? Would appreciate your earliest response/estimate.

Regards,  
Bill

---

**From:** Monninger, John  
**Sent:** Thursday, March 24, 2011 7:39 AM  
**To:** Cook, William  
**Cc:** Devercelly, Richard  
**Subject:** HI PRIORITY

Need all dimensions weights etc of equipment to be transported. GOJ has accepted equipment and will ship it tomorrow after training. We committed to give the info to them tonight.

John Monninger

(b)(6)

---

**From:** Cook, William  
**Sent:** Thursday, March 24, 2011 8:07 AM  
**To:** Monninger, John  
**Subject:** RE: Email

yes, working on it  
Thanks,  
Bill

---

**From:** Monninger, John  
**Sent:** Thursday, March 24, 2011 7:58 AM  
**To:** Cook, William  
**Subject:** Email

Did you get my email on the specs?  
John Monninger

(b)(6)

---

**From:** LIA02 Hoc  
**Sent:** Thursday, March 24, 2011 7:31 AM  
**To:** Liaison Japan  
**Subject:** Chairman Call to Ambassador

Brooke and Kirk,

The Chairman would like a call as soon as possible with the Ambassador on the NRC role in Japan.

Steve Bloom

---

**From:** Laufer, Richard  
**Sent:** Thursday, March 24, 2011 6:27 AM  
**To:** Hart, Ken; Baval, Rochelle; Vietti-Cook, Annette; Kasputys, Clare; Reddick, Darani; Davis, Roger; Thoma, John; Sharkey, Jeffrey; Batkin, Joshua; Herr, Linda; Bradford, Anna; Burns, Stephen; Coggins, Angela; Clark, Lisa; Hipschman, Thomas; Monninger, John; Shea, Pamela; Bozin, Sunny; Baggett, Steven; Andersen, James; Warren, Roberta; Mamish, Nader; Landau, Mindy; Marshall, Michael; Fopma, Melody; Orders, William; Nieh, Ho; Zorn, Jason; Franovich, Mike; Kock, Andrea; Crawford, Carrie; Bubar, Patrice; Temp, WCO; Snodderly, Michael; Sosa, Belkys; Tadesse, Rebecca; Bupp, Margaret; Temp, WDM; Svinicki, Kristine; Castleman, Patrick; Adler, James; Dhir, Neha; Muessle, Mary; Pearson, Laura; Warnick, Greg; Lisann, Elizabeth  
**Cc:** Rothschild, Trip; Itzkowitz, Marvin  
**Subject:** Status Update  
**Attachments:** Status Update.docx

Attached.

Rich

**STATUS UPDATE**

(b)(5)

**STATUS OF FOIA REQUESTS**

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<b>FOIA NUMBER/SUBJECT</b>	<b>TO COMRS/SECY PERFECTED DATE</b>	<b>DUE DATE TO SECY COMRS/SECY</b>	<b>RECEIVED FROM STATUS/COMMENTS</b>
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(b)(5)

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**From:** Monninger, John  
**Sent:** Thursday, March 24, 2011 6:01 AM  
**To:** Foggie, Kirk  
**Subject:** talking points  
**Attachments:** Talking Points for Crisis Management Meeting 03242011.docx



**Talking Points for Crisis Management Team**

**3/24/11**

(b)(5)

(b)(5)

Talking Points Developed for Discussion with Mr. Hosono

(b)(5)

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**From:** Monninger, John  
**Sent:** Thursday, March 24, 2011 5:32 AM  
**To:** angelovba@state.gov  
**Subject:** Talking Points  
**Attachments:** Talking Points for Ambassador 3-24.docx

Please see attached.

**Talking Points for Ambassador Roos  
Mr. Hosono, Special Assistant to Prime Minister Kan  
Telephone call**

(b)(5)

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**From:** Monninger, John  
**Sent:** Thursday, March 24, 2011 4:40 AM  
**To:** Foggie, Kirk  
**Attachments:** Talking Points for Prime Minister Meeting.docx

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**From:** Monninger, John  
**Sent:** Thursday, March 24, 2011 4:34 AM  
**To:** Foggie, Kirk  
**Attachments:** Talking Points for Prime Minister Meeting.docx

## Talking Points for Crisis Management Team

(b)(5)



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**From:** Duncan, Aleshia <Aleshia.Duncan@nuclear.energy.gov>  
**Sent:** Thursday, March 24, 2011 3:25 AM  
**To:** Peko, Damian; Cherry, Ron; Smith, Brooke; Casto, Chuck; Brown, Courtney M (NST);  
Duncan, Aleshia (State Dept); 'HowardEB@state.gov'; Foster, Jack; Trapp, James;  
(b)(6); Monninger, John; Foggie, Kirk; 'MearsJM@state.gov';  
'MoralesRA@state.gov'; Devercelly, Richard; Nakanishi, Tony; Ulses, Anthony;  
'TokyoPolMilUnit@state.gov'; 'JapanEmbassyTaskForce@state.gov';  
(b)(6)  
**Cc:** 'WallMM@state.gov'; 'ZumwaltJP@state.gov'  
**Subject:** Re: GOJ request for informal meeting on robotics

-----  
Sent from my BlackBerry Wireless Handheld

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

**From:** Peko, Damian  
**To:** Cherry, Ron; Duncan, Aleshia; Bill Cook <William.Cook@nrc.gov>; Brooke Smith <Brooke.Smith@nrc.gov>; Chuck Casto <Chuck.Casto@nrc.gov>; Brown, Courtney M (NST); Duncan, Aleshia (State Dept); Howard, E. Bruce <HowardEB@state.gov>; Jack Foster <Jack.Foster@nrc.gov>; James Trapp <James.Trapp@nrc.gov>; James Trapp (BB) <(b)(6)>; John Monninger <John.Monninger@nrc.gov>; Kirk Foggie <Kirk.Foggie@nrc.gov>; Mears, Jeremy M <MearsJM@state.gov>; Morales, Russell A <MoralesRA@state.gov>; Rick Devercelly <Richard.Devercelly@nrc.gov>; Tony Nakanishi <Tony.Nakanishi@nrc.gov>; Tony Ulses <Anthony.Ulses@nrc.gov>; Tokyo PolMil Unit <TokyoPolMilUnit@state.gov>; JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>; (b)(6)  
**Cc:** Wall, Marc M <WallMM@state.gov>; Zumwalt, James P <ZumwaltJP@state.gov>  
**Sent:** Wed Mar 23 22:09:55 2011  
**Subject:** RE: GOJ request for informal meeting on robotics

Ron

I will go.

NRC does not think they need to attend but I will bounce it off of Dan Dorman for a final answer.

Thanks

Damian

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

**From:** Cherry, Ron  
**Sent:** Wednesday, March 23, 2011 10:00 PM  
**To:** Duncan, Aleshia; Bill Cook; Brooke Smith; Chuck Casto; Brown, Courtney M (NST); Peko, Damian; Duncan, Aleshia (State Dept); Howard, E. Bruce; Jack Foster; James Trapp; James Trapp (BB); John Monninger; Kirk Foggie; Mears, Jeremy M; Morales, Russell A; Rick Devercelly; Tony Nakanishi; Tony Ulses; Tokyo PolMil Unit; JapanEmbassy, TaskForce; (b)(6)  
**Cc:** Wall, Marc M; Zumwalt, James P

Subject: GOJ request for informal meeting on robotics

All: METI has asked to have an informal meeting with us at 4 pm today to give feedback on the DOE paper and discuss potential assistance.

Please let me know who can attend this meeting. Suggest at a minimum DOE, ECON, NRC, USFJ, DAO or MDAO.

GOJ participants will be

-- Hiroyuki Hatada, Deputy Director, Aerospace and Defense Industry Division, METI

-- Takayamai, Deputy Director General, Trade and Economic Cooperation Bureau, METI

-- Noriaki Ozawa, Director, Office of Global Environment Technology, METI

Please advise soonest.

Thanks!

Ron

This email is UNCLASSIFIED

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**From:** Boger, Bruce  
**Sent:** Thursday, March 24, 2011 1:11 AM  
**To:** Trapp, James  
**Cc:** Dorman, Dan; Monninger, John  
**Subject:** RE: Conference call with DOE 6:00-7:00pm

Got it. Thanks. We'll work the issue from this end, probably during the day shift when we can figure out appropriate levels to contact.

---

**From:** Trapp, James  
**Sent:** Thursday, March 24, 2011 12:31 AM  
**To:** Boger, Bruce  
**Subject:** FW: Conference call with DOE 6:00-7:00pm

Any clarification of what information not provided would be appreciated.

---

**From:** Scott, Michael  
**Sent:** Thursday, March 24, 2011 12:14 AM  
**To:** Trapp, James  
**Subject:** Fw: Conference call with DOE 6:00-7:00pm

Sent from my NRC blackberry  
Michael Scott

(b)(6)

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**From:** Scott, Michael  
**To:** Monninger, John; Dorman, Dan  
**Cc:** Gibson, Kathy  
**Sent:** Thu Mar 24 00:02:36 2011  
**Subject:** Fw: Conference call with DOE 6:00-7:00pm

Comrades: Can you shed light on this?

Sent from my NRC blackberry  
Michael Scott

(b)(6)

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**From:** Gibson, Kathy  
**To:** Scott, Michael  
**Cc:** Lee, Richard  
**Sent:** Wed Mar 23 22:31:52 2011  
**Subject:** Fw: Conference call with DOE 6:00-7:00pm

Mike,

See the email below. Can you see if you can find out what this is about? We will follow up here too but it seems to have some connection to what your predecessors are doing or have done over there.

Thanks,  
K

---

**From:** Lee, Richard  
**To:** Sheron, Brian  
**Cc:** Gibson, Kathy; Elkins, Scott  
**Sent:** Wed Mar 23 19:43:35 2011  
**Subject:** Conference call with DOE 6:00-7:00pm

Brian:

(b)(5)

I responded that I will conveyed to our management. I expect, he will ask again tomorrow at the conference call. Please advise me what NRC response is.

Dr. Holdren (Director of the White House Office of Science and Technology Policy) was also on the conference call.

Richard.

---

**From:** Monninger, John  
**Sent:** Wednesday, March 23, 2011 11:34 PM  
**To:** Young, Joseph M; Cherry, Ronald C; Aleshia Duncan; Cook, William; Smith, Brooke; Casto, Chuck; Courtney Brown; Damian Peko; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp (BB); Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Nakanishi, Tony; Ulses, Anthony; Tokyo PolMil Unit; JapanEmbassy, TaskForce; (b)(6)  
**Cc:** Wall, Marc M; Zumwalt, James P; Wiltse, Jeffrey S COL USA USFJ J5; Peyton, Paul P GS-14 USFJ J5; USFJ-CAT-J5; Oikawa, Yufuko; Toledo, Ana Y  
**Subject:** RE: GOJ request for informal MOD-hosted meeting on Fukushima

NRC team includes:

Dan Dorman  
John Monninger  
Alan Blamey  
Michael Scott  
Bill Cook  
Interpreter

---

**From:** Young, Joseph M [YoungJM@state.gov]  
**Sent:** Wednesday, March 23, 2011 10:56 PM  
**To:** Cherry, Ronald C; Aleshia Duncan; Cook, William; Smith, Brooke; Casto, Chuck; Courtney Brown; Damian Peko; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp (BB); Monninger, John; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Nakanishi, Tony; Ulses, Anthony; Tokyo PolMil Unit; JapanEmbassy, TaskForce; (b)(6)  
**Cc:** Wall, Marc M; Zumwalt, James P; Wiltse, Jeffrey S COL USA USFJ J5; Peyton, Paul P GS-14 USFJ J5; USFJ-CAT-J5; Cook, William; Oikawa, Yufuko; Toledo, Ana Y  
**Subject:** RE: GOJ request for informal MOD-hosted meeting on Fukushima

I just received word that MOD DG Takamizawa would like to host a smaller, more focused meeting at 2:00 at MOD to discuss operational information in a way that could support the Crisis Center meeting at 8:00 PM. The NRC is aware of this request and has been informed that TEPCO will also participate. MOD was hoping that our delegation could look like a miniaturized version of the delegation that has been going to the Crisis Center meetings. Please let me know who will be attending so that we can let MOD take care of access.

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

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

**From:** Cherry, Ronald C  
**Sent:** Thursday, March 24, 2011 11:00 AM  
**To:** 'Aleshia Duncan'; 'Bill Cook'; 'Brooke Smith'; 'Chuck Casto'; 'Courtney Brown'; 'Damian Peko'; Duncan, Aleshia D; Howard, E. Bruce; 'Jack Foster'; 'James Trapp'; 'James Trapp (BB)'; 'John Monninger'; 'Kirk Foggie'; Mears, Jeremy M;

Morales, Russell A; 'Rick Devercelly'; 'Tony Nakanishi'; 'Tony Ulses'; Tokyo PolMil Unit; JapanEmbassy, TaskForce;

(b)(6)

Cc: Wall, Marc M; Zumwalt, James P

Subject: GOJ request for informal meeting on robotics

All: METI has asked to have an informal meeting with us at 4 pm today to give feedback on the DOE paper and discuss potential assistance.

Please let me know who can attend this meeting. Suggest at a minimum DOE, ECON, NRC, USFJ, DAO or MDAO.

GOJ participants will be

-- Hiroyuki Hatada, Deputy Director, Aerospace and Defense Industry Division, METI

-- Takayama, Deputy Director General, Trade and Economic Cooperation Bureau, METI

-- Noriaki Ozawa, Director, Office of Global Environment Technology, METI

Please advise soonest.

Thanks!

Ron

This email is UNCLASSIFIED

---

**From:** Wall, Marc M <WallMM@state.gov>  
**Sent:** Wednesday, March 23, 2011 11:00 PM  
**To:** Young, Joseph M; Cherry, Ronald C; Aleshia Duncan; Cook, William; Smith, Brooke; Casto, Chuck; Courtney Brown; Damian Peko; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp (BB); Monninger, John; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Nakanishi, Tony; Ulses, Anthony; Tokyo PolMil Unit; JapanEmbassy, TaskForce; (b)(6)  
**Cc:** Zumwalt, James P; Wiltse, Jeffrey S COL USA USFJ J5; Peyton, Paul P GS-14 USFJ J5; USFJ-CAT-J5; Cook, William; Oikawa, Yufuko; Toledo, Ana Y  
**Subject:** RE: GOJ request for informal MOD-hosted meeting on Fukushima

I'll attend from ECON.

This email is UNCLASSIFIED

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

**From:** Young, Joseph M  
**Sent:** Thursday, March 24, 2011 11:56 AM  
**To:** Cherry, Ronald C; 'Aleshia Duncan'; 'Bill Cook'; 'Brooke Smith'; 'Chuck Casto'; 'Courtney Brown'; 'Damian Peko'; Duncan, Aleshia D; Howard, E. Bruce; 'Jack Foster'; 'James Trapp'; 'James Trapp (BB)'; 'John Monninger'; 'Kirk Foggie'; Mears, Jeremy M; Morales, Russell A; 'Rick Devercelly'; 'Tony Nakanishi'; 'Tony Ulses'; Tokyo PolMil Unit; JapanEmbassy, TaskForce; (b)(6)  
**Cc:** Wall, Marc M; Zumwalt, James P; 'Wiltse, Jeffrey S COL USA USFJ J5'; Peyton, Paul P GS-14 USFJ J5; USFJ-CAT-J5; 'Cook, William'; Oikawa, Yufuko; Toledo, Ana Y  
**Subject:** RE: GOJ request for informal MOD-hosted meeting on Fukushima

I just received word that MOD DG Takamizawa would like to host a smaller, more focused meeting at 2:00 at MOD to discuss operational information in a way that could support the Crisis Center meeting at 8:00 PM. The NRC is aware of this request and has been informed that TEPCO will also participate. MOD was hoping that our delegation could look like a miniaturized version of the delegation that has been going to the Crisis Center meetings. Please let me know who will be attending so that we can let MOD take care of access.

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

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

**From:** Cherry, Ronald C  
**Sent:** Thursday, March 24, 2011 11:00 AM  
**To:** 'Aleshia Duncan'; 'Bill Cook'; 'Brooke Smith'; 'Chuck Casto'; 'Courtney Brown'; 'Damian Peko'; Duncan, Aleshia D; Howard, E. Bruce; 'Jack Foster'; 'James Trapp'; 'James Trapp (BB)'; 'John Monninger'; 'Kirk Foggie'; Mears, Jeremy M; Morales, Russell A; 'Rick Devercelly'; 'Tony Nakanishi'; 'Tony Ulses'; Tokyo PolMil Unit; JapanEmbassy, TaskForce; (b)(6)  
**Cc:** Wall, Marc M; Zumwalt, James P  
**Subject:** GOJ request for informal meeting on robotics

All: METI has asked to have an informal meeting with us at 4 pm today to give feedback on the DOE paper and discuss potential assistance.

Please let me know who can attend this meeting. Suggest at a minimum DOE, ECON, NRC, USFJ, DAO or MDAO.

GOJ participants will be

- Hiroyuki Hatada, Deputy Director, Aerospace and Defense Industry Division, METI
- Takayamai, Deputy Director General, Trade and Economic Cooperation Bureau, METI
- Noriaki Ozawa, Director, Office of Global Environment Technology, METI

Please advise soonest.

Thanks!

Ron

This email is UNCLASSIFIED



---

**From:** Cherry, Ronald C <CherryRC@state.gov>  
**Sent:** Wednesday, March 23, 2011 10:58 PM  
**To:** Young, Joseph M; Aleshia Duncan; Cook, William; Smith, Brooke; Casto, Chuck; Courtney Brown; Damian Peko; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp (BB); Monninger, John; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Nakanishi, Tony; Ulses, Anthony; Tokyo PolMil Unit; JapanEmbassy, TaskForce (b)(6)  
**Cc:** Wall, Marc M; Zumwalt, James P; Wiltse, Jeffrey S COL USA USFJ J5; Peyton, Paul P GS-14 USFJ J5; USFJ-CAT-J5; Cook, William; Oikawa, Yufuko; Toledo, Ana Y  
**Subject:** RE: GOJ request for informal MOD-hosted meeting on Fukushima

I'll go for DOE.

This email is UNCLASSIFIED

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

**From:** Young, Joseph M  
**Sent:** Thursday, March 24, 2011 11:56 AM  
**To:** Cherry, Ronald C; 'Aleshia Duncan'; 'Bill Cook'; 'Brooke Smith'; 'Chuck Casto'; 'Courtney Brown'; 'Damian Peko'; Duncan, Aleshia D; Howard, E. Bruce; 'Jack Foster'; 'James Trapp'; 'James Trapp (BB)'; 'John Monninger'; 'Kirk Foggie'; Mears, Jeremy M; Morales, Russell A; 'Rick Devercelly'; 'Tony Nakanishi'; 'Tony Ulses'; Tokyo PolMil Unit; JapanEmbassy, TaskForce; (b)(6)  
**Cc:** Wall, Marc M; Zumwalt, James P; 'Wiltse, Jeffrey S COL USA USFJ J5'; Peyton, Paul P GS-14 USFJ J5; USFJ-CAT-J5; 'Cook, William'; Oikawa, Yufuko; Toledo, Ana Y  
**Subject:** RE: GOJ request for informal MOD-hosted meeting on Fukushima

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

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

**From:** Cherry, Ronald C  
**Sent:** Thursday, March 24, 2011 11:00 AM  
**To:** 'Aleshia Duncan'; 'Bill Cook'; 'Brooke Smith'; 'Chuck Casto'; 'Courtney Brown'; 'Damian Peko'; Duncan, Aleshia D; Howard, E. Bruce; 'Jack Foster'; 'James Trapp'; 'James Trapp (BB)'; 'John Monninger'; 'Kirk Foggie'; Mears, Jeremy M; Morales, Russell A; 'Rick Devercelly'; 'Tony Nakanishi'; 'Tony Ulses'; Tokyo PolMil Unit; JapanEmbassy, TaskForce; (b)(6)  
**Cc:** Wall, Marc M; Zumwalt, James P  
**Subject:** GOJ request for informal meeting on robotics

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Please let me know who can attend this meeting. Suggest at a minimum DOE, ECON, NRC, USFJ, DAO or MDAO.

GOJ participants will be

- Hiroyuki Hatada, Deputy Director, Aerospace and Defense Industry Division, METI
- Takayamai, Deputy Director General, Trade and Economic Cooperation Bureau, METI
- Noriaki Ozawa, Director, Office of Global Environment Technology, METI

Please advise soonest.

Thanks!

Ron

This email is UNCLASSIFIED

---

**From:** Hinds, Lynda J <HindsLJ@state.gov>  
**Sent:** Wednesday, March 23, 2011 9:27 PM  
**To:** Monninger, John  
**Subject:** RE: PLEASE CONFIRM NRC participation in inter-agency conference call  
**Attachments:** image001.png

thanks

on behalf of the Japan Emergency Command Center, +81-3-3224- 5533

Lynda Hinds  
Staff Assistant to Ambassador John V. Roos  
U.S. Embassy  
1-10-5 Akasaka, Minato-ku  
Tokyo 107-8420  
Tel. (03) 3224- 5370

[Twitter.com/AmbassadorRoos](https://twitter.com/AmbassadorRoos)



This email is UNCLASSIFIED.

---

**From:** Monninger, John [mailto:John.Monninger@nrc.gov]  
**Sent:** Thursday, March 24, 2011 10:24 AM  
**To:** Hinds, Lynda J; Casto, Chuck; Dorman, Dan; Trapp, James [redacted (b)(6)]; Ulses, Anthony;  
Nakanishi, Tony; Foster, Jack; Cook, William; Devercelly, Richard  
**Subject:** RE: PLEASE CONFIRM NRC participation in inter-agency conference call

John Monninger will cover the call.

---

**From:** Hinds, Lynda J [HindsLJ@state.gov]  
**Sent:** Wednesday, March 23, 2011 8:49 PM  
**To:** Casto, Chuck; Dorman, Dan; Monninger, John; Trapp, James [redacted (b)(6)]; Ulses, Anthony;  
Nakanishi, Tony; Foster, Jack; Cook, William; Devercelly, Richard  
**Subject:** PLEASE CONFIRM NRC participation in inter-agency conference call

The DCM would like to know who from NRC will participate in the 1030 interagency conference call. Please confirm and let me know if you need the agenda/dialing instructions.

Thank you,

Lynda

on behalf of the Japan Emergency Command Center, +81-3-3224- 5533

Lynda Hinds  
Staff Assistant to Ambassador John V. Roos

U.S. Embassy  
1-10-5 Akasaka, Minato-ku  
Tokyo 107-8420  
Tel. (03) 3224- 5370

[Twitter.com/AmbassadorRoos](https://twitter.com/AmbassadorRoos)

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---

**From:** Blamey, Alan  
**Sent:** Wednesday, March 23, 2011 9:22 PM  
**To:** Monninger, John  
**Subject:** Out of Office: FYI - Japan Assistance

I am out of the office and will be returning on April 8, 2011. If you need immediate assistance contact George Gardner.

---

**From:** Scott, Michael  
**Sent:** Wednesday, March 23, 2011 9:22 PM  
**To:** Monninger, John  
**Subject:** Out of Office: FYI - Japan Assistance

While I am out of the office beginning March 22, 2011, please contact Kathy Gibson or Scott Elkins if you need assistance. (301) 251-7499.

---

**From:** Monninger, John  
**Sent:** Wednesday, March 23, 2011 9:19 PM  
**To:** Scott, Michael; Blamey, Alan; Devercelly, Richard  
**Subject:** FW: FYI - Japan Assistance

See below.

---

**From:** Weber, Michael  
**Sent:** Wednesday, March 23, 2011 6:21 PM  
**To:** Casto, Chuck; Dorman, Dan; Monninger, John  
**Cc:** RST01 Hoc; ET01 Hoc; ET05 Hoc; FOIA Response.hoc Resource  
**Subject:** FYI - Japan Assistance

---

**From:** Merrifield, Jeff [mailto:jeff.merrifield@shawgrp.com]  
**Sent:** Wednesday, March 23, 2011 9:19 AM  
**To:** Pete Lyons; Webster, Bill E (INPO); Borchardt, Bill  
**Cc:** Jim Ellis (EllisJo@INPO.Org); Elder, Lee  
**Subject:** Japan Assistance

Gentlemen,

Just to keep you updated, there will be an integrated team of Shaw, Westinghouse and B&W that will be coordinated under the Toshiba umbrella to assist in the response effort at Fukushima. All three US companies will be represented in meetings in Tokyo this Friday and Saturday and together this team will be meeting with TEPCO and Japanese officials to lay out the areas of assistance in response and remediation activities.

**Jeffrey S. Merrifield**  
Senior Vice President  
Shaw Power Group  
128 S. Tryon Street, 22nd Floor  
Charlotte, NC 28202  
704.378.5227 direct  
(b)(6) cell  
704.378.5101 fax

Shaw™ a world of Solutions™  
<http://www.shawgrp.com>

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<http://www.shawgrp.com>~~

---

**From:** Devercelly, Richard  
**Sent:** Wednesday, March 23, 2011 7:19 PM  
**To:** Monninger, John  
**Subject:** FW: DOE Inventory of Robotic Systems

---

**From:** O'Donnell, Brian C (INPO) [O'DonnellBC@INPO.org] On Behalf Of INPOERCAssistance [INPOERCAssistance@inpo.org]  
**Sent:** Wednesday, March 23, 2011 7:16 PM  
**To:** Devercelly, Richard  
**Subject:** RE: DOE Inventory of Robotic Systems

Thanks! Let us know if they take any of the equipment from DOE.

We have an open action for the US Utilities to let us know if they have robots they can "donate" – the action is due by COB Thursday (US calendar). We will send you a list of what we learn to see if the Japanese want anything. Right now I do not know how extensive the list will be – I don't anticipate a lot because this is outage season and the utilities do not carry inventory in this type of equipment

Brian C. O'Donnell  
INPO Assistance Division  
770-644-8628 (W)  
(b)(6) (C)

---

**From:** Devercelly, Richard [mailto:Richard.Devercelly@nrc.gov]  
**Sent:** Wednesday, March 23, 2011 6:58 PM  
**To:** INPOERCAssistance  
**Cc:** Monninger, John  
**Subject:** RE: DOE Inventory of Robotic Systems

Hi Brian:

The information was shared with the Japanese yesterday (3/23 Japan).

---

**From:** O'Donnell, Brian C (INPO) [O'DonnellBC@INPO.org] On Behalf Of INPOERCAssistance [INPOERCAssistance@inpo.org]  
**Sent:** Wednesday, March 23, 2011 4:33 PM  
**To:** Devercelly, Richard  
**Subject:** RE: DOE Inventory of Robotic Systems

Thank you

Brian C. O'Donnell  
INPO Assistance Division



770-644-8628 (W)

(b)(6) (C)

---

**From:** Devercelly, Richard [mailto:Richard.Devercelly@nrc.gov]  
**Sent:** Wednesday, March 23, 2011 4:29 PM  
**To:** INPOERCAssistance  
**Subject:** RE: DOE Inventory of Robotic Systems

We did receive it. I will follow up on whether it was shared with the Japanese or not. Back to you soon.

Rick DeVercelly

---

**From:** O'Donnell, Brian C (INPO) [O'DonnellBC@INPO.org] On Behalf Of INPOERCAssistance [INPOERCAssistance@inpo.org]  
**Sent:** Wednesday, March 23, 2011 3:31 PM  
**To:** Devercelly, Richard  
**Cc:** Nielsen, Rick M (INPO); Maund, Terrance P. (INPO)  
**Subject:** DOE Inventory of Robotic Systems

Rick,

Did your team receive copy of the DOE inventory of robotic systems available for Japan and share this with the Japanese? The report I am speaking of is titled "Robotic and Remote Systems Assistance Available to the Government of Japan" dated March 22, 2011

I am interested in how the Japanese responded to the offer

Brian C. O'Donnell  
INPO Assistance Division  
770-644-8628 (W)  
(b)(6) (C)

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Thank you.~~

---

**From:** INPOERCAssistance <INPOERCAssistance@inpo.org>  
**Sent:** Wednesday, March 23, 2011 1:30 PM  
**To:** Monninger, John; Kolb, Timothy; youngjm@state.gov; RST01 Hoc; Lynch, Jim E (INPO); Addy, Robert J (INPO); Gard, Lee A (INPO); O'Donnell, Brian C (INPO)  
**Subject:** Potassium Iodide (KI) tablets  
**Importance:** High

All, this is an e-mail string describing requested information from John Monninger about KI tablets.

One key question is whether utilities have this in stock to give. The answer is "no," they would have to be purchased. They have been sourced and are readily available at the cost you see below.

Contact INPO at 770-644-8118 if we should proceed.

Rick Nielsen  
Corporate Evaluations

INPO  
770-644-8696

---

**From:** Mundy, Randy Wayne [mailto:RWMUNDY@southernco.com]  
**Sent:** Wednesday, March 23, 2011 11:50 AM  
**To:** INPOERCAssistance  
**Subject:** Potassium Iodide (KI) tablets  
**Importance:** High

Please see KI information below. These doses are available through a supplier and 1,000,000 doses were priced at \$441,752.

The KI pills are scored for smaller doses and can be crushed and mixed into liquids.

**Randy W Mundy, PE**  
Engineering Supervisor  
Pooled Inventory Management  
205-992-7581 Birmingham Office  
901-948-0277 Memphis Warehouse  
205-992-5271 fax  
(b)(6) BlackBerry  
[rwmundy@southernco.com](mailto:rwmundy@southernco.com)

---

**From:** GRIFFIN, GLENN E [mailto:GGRIFFI@entergy.com]  
**Sent:** Wednesday, March 23, 2011 9:54 AM  
**To:** Mundy, Randy Wayne  
**Subject:** FW: PDS 100 & ID instruments.  
**Importance:** High

Randy,

See answers from WESCO below. I assume the individual tablets could be split into smaller doses for children and infants. Also, as we discussed, these KI tablets are being provided by a distributor and are not at individual locations. We can easily get them to the WESCO distribution center in Pittsburg and then to the airbase near Pittsburg.

Let me know if you need additional details.

---

**From:** Bassaro, Ryan [mailto:RBassaro@wescodist.com]  
**Sent:** Wednesday, March 23, 2011 9:47 AM  
**To:** GRIFFIN, GLENN E  
**Subject:** RE: PDS 100 & ID instruments.  
**Importance:** High

Formulation: Tablet

Dosage: Tablet/130mg

FDA Dosage Guidelines

Adults & children over 150lbs: 130mg

Children aged 3 to 8 (under 150lbs): 65mg

Young children (one year to 3 years): 32mg

Young children (one month to one year): 32mg

Infants (birth through one month): 16mg

**What is the daily dosage required?**

New FDA guidelines call for the daily administration of one iOSAT tablet (130 mg. of potassium iodide (KI)) for adults and children over 18 years old who weigh more than 150 pounds. Children from age 3 to 18 years old who weigh less than 150 pounds should take ½ tablet. Children from age one month to 3 years should take ¼ tablet. And infants less than one month old should take ¼ tablet. If necessary, children too young to take solid food or unable to swallow a tablet can take iOSAT™ dissolved in a liquid (such as chocolate milk) or in a soft food such as applesauce.

Each iOSAT™ Tablet provides 24 hours of protection.

More information please see [http://www.anbex.com/files/product\\_patient\\_insert.pdf](http://www.anbex.com/files/product_patient_insert.pdf)

---

**From:** GRIFFIN, GLENN E [mailto:GGRIFFI@entergy.com]  
**Sent:** Wednesday, March 23, 2011 10:34 AM  
**To:** Bassaro, Ryan  
**Subject:** RE: PDS 100 & ID instruments.

Questions from Tokyo regarding potassium iodine:

What is the formulation? Is it tablet, granular, liquid, etc.? How big are the doses? Are there adult and children doses/portions?

---

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Thank you.

---

**From:** Sharkey, Jeffry  
**Sent:** Wednesday, March 23, 2011 11:58 AM  
**To:** Sharkey, Jeffry; Wright, Darlene; Baggett, Steven; Bates, Andrew; Batkin, Joshua; Baval, Rochelle; Blake, Kathleen; Bozin, Sunny; Bradford, Anna; Bubar, Patrice; Bupp, Margaret; Burns, Stephen; Chairman Temp; Clark, Lisa; Coggins, Angela; Cordes, John; Crawford, Carrie; Davis, Roger; Fopma, Melody; Franovich, Mike; Gibbs, Catina; Hackett, Edwin; Hart, Ken; Harves, Carolyn; Henderson, Karen; Herr, Linda; Hipschman, Thomas; Hudson, Sharon; Joosten, Sandy; KLS Temp; Kock, Andrea; Laufer, Richard; Lepre, Janet; Loyd, Susan; Mamish, Nader; Marshall, Michael; Monninger, John; Moore, Scott; Orders, William; Pace, Patti; Poole, Brooke; Reddick, Darani; RidsEdoDraftSrmVote Resource; Rothschild, Trip; Savoy, Carmel; Shea, Pamela; Snodderly, Michael; Sosa, Belkys; Speiser, Herald; Svinicki, Kristine; Temp, GEA; Temp, WCO; Temp, WDM; Thoma, John; Vietti-Cook, Annette; Warren, Roberta; Zorn, Jason; Tadesse, Rebecca; Joosten, Sandy; Castleman, Patrick; Montes, David; Dhir, Neha; Adler, James; Jimenez, Patricia; Muessle, Mary; Nieh, Ho; Ostendorff, William; Warnick, Greg; Apostolakis, George; Pearson, Laura; Lui, Christiana; Lisann, Elizabeth  
**Cc:** Lewis, Antoinette  
**Subject:** Amended Response: DRAFT SRM - COMGBJ-11-0002 (NRC Actions Following the Events in Japan)

(b)(5)

Thanks,

Jeff

---

**From:** Sharkey, Jeffry  
**Sent:** Wednesday, March 23, 2011 9:25 AM  
**To:** Wright, Darlene; Baggett, Steven; Bates, Andrew; Batkin, Joshua; Baval, Rochelle; Blake, Kathleen; Bozin, Sunny; Bradford, Anna; Bubar, Patrice; Bupp, Margaret; Burns, Stephen; Chairman Temp; Clark, Lisa; Coggins, Angela; Cordes, John; Crawford, Carrie; Davis, Roger; Fopma, Melody; Franovich, Mike; Gibbs, Catina; Hackett, Edwin; Hart, Ken; Harves, Carolyn; Henderson, Karen; Herr, Linda; Hipschman, Thomas; Hudson, Sharon; Joosten, Sandy; KLS Temp; Kock, Andrea; Laufer, Richard; Lepre, Janet; Loyd, Susan; Mamish, Nader; Marshall, Michael; Monninger, John; Moore, Scott; Orders, William; Pace, Patti; Poole, Brooke; Reddick, Darani; RidsEdoDraftSrmVote Resource; Rothschild, Trip; Savoy, Carmel; Shea, Pamela; Snodderly, Michael; Sosa, Belkys; Speiser, Herald; Svinicki, Kristine; Temp, GEA; Temp, WCO; Temp, WDM; Thoma, John; Vietti-Cook, Annette; Warren, Roberta; Zorn, Jason; Tadesse, Rebecca; Joosten, Sandy; Castleman, Patrick; Montes, David; Dhir, Neha; Adler, James; Jimenez, Patricia; Muessle, Mary; Nieh, Ho; Ostendorff, William; Warnick, Greg; Apostolakis, George; Pearson, Laura; Lui, Christiana; Lisann, Elizabeth  
**Cc:** Lewis, Antoinette  
**Subject:** RE: DRAFT SRM - COMGBJ-11-0002 (NRC Actions Following the Events in Japan)

(b)(5)

(b)(5)

Thanks,

Jeff

---

**From:** Wright, Darlene

**Sent:** Tuesday, March 22, 2011 1:19 PM

**To:** Baggett, Steven; Bates, Andrew; Batkin, Joshua; Baval, Rochelle; Blake, Kathleen; Bozin, Sunny; Bradford, Anna; Bubar, Patrice; Bupp, Margaret; Burns, Stephen; Chairman Temp; Clark, Lisa; Coggins, Angela; Cordes, John; Crawford, Carrie; Davis, Roger; Fopma, Melody; Franovich, Mike; Gibbs, Catina; Hackett, Edwin; Hart, Ken; Harves, Carolyn; Henderson, Karen; Herr, Linda; Hipschman, Thomas; Hudson, Sharon; Joosten, Sandy; KLS Temp; Kock, Andrea; Laufer, Richard; Lepre, Janet; Loyd, Susan; Mamish, Nader; Marshall, Michael; Monninger, John; Moore, Scott; Orders, William; Pace, Patti; Poole, Brooke; Reddick, Darani; RidsEdoDraftSrmVote Resource; Rothschild, Trip; Savoy, Carmel; Sharkey, Jeffrey; Shea, Pamela; Snodderly, Michael; Sosa, Belkys; Speiser, Herald; Svinicki, Kristine; Temp, GEA; Temp, WCO; Temp, WDM; Thoma, John; Vietti-Cook, Annette; Warren, Roberta; Zorn, Jason; Tadesse, Rebecca; Joosten, Sandy; Castleman, Patrick; Montes, David; Dhir, Neha; Adler, James; Jimenez, Patricia; Muessle, Mary; Nieh, Ho; Ostendorff, William; Warnick, Greg; Apostolakis, George; Pearson, Laura; Lui, Christiana; Lisann, Elizabeth

**Cc:** Lewis, Antoinette

**Subject:** DRAFT SRM - COMGBJ-11-0002 (NRC Actions Following the Events in Japan)

**Importance:** High

The attached file contains a draft SRM which is being circulated for Commission review. Your response is requested as soon as practical today. As provided in the Internal Commission Procedures, the staff is "...afforded an opportunity to review the SRM to ensure that the Commission decision is clear and understandable and that resource, schedular, and legal constraints are properly considered." Please provide any responses to Ken Hart (KRH), Richard Laufer (RJL), Rochelle Baval (RCB5), and Pam Shea (PWS).

---

**From:** Cherry, Ronald C <CherryRC@state.gov>  
**Sent:** Wednesday, March 23, 2011 9:51 AM  
**To:** NITOPS; Mustin, Tracy; Lyons, Peter; Aoki, Steven; Kelly, John E (NE)  
**Cc:** DL-Policy Working Group; Deeney, Chris; Tilden, Jay; Visosky, Mark; Cook, Don; Miotla, Dennis; DAgostino, Thomas; Casto, Chuck; Dorman, Dan; Monninger, John; Zumwalt, James P; Wall, Marc M; Brown, Courtney M (NST); dartdoeliasion1@ofda.gov; Peko, Damian; Duncan, Aleshia D  
**Subject:** RE: DOE Assistance to Japan on Robotics

All,

We provided the robotics report to the GOJ today and then briefly discussed it at this evening's Crisis Management Team meeting. METI was especially interested in the radiation hardened camera, which they said is urgently needed. Please send by OOB Thursday JST as much information as possible about the camera -- e.g., Where is it? How many units are available? What are the specs? What does it cost and who would pay (might be an issue for TEPCO)? Plus any other information we could have on hand to help the GOJ formulate an actionable request.

In general, METI identified remote monitoring and debris removal as priority areas of need. The GOJ will review the report and develop a formal request which will be handled through the Crisis Management Team.

After the meeting one of the GOJ reps told us they were interested in equipment that could be used for wide area aerial surveys of surface contamination. There was no elaboration, but that sounds like AMS. We'll follow up tomorrow.

I've cc'd others who were in the meeting, including Damian who was there and can elaborate from the NE perspective.

Thanks.

Ron

SBU

This email is UNCLASSIFIED

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

**From:** Mustin, Tracy [mailto:Tracy.Mustin@nnsa.doe.gov]

**Sent:** Wednesday, March 23, 2011 8:31 AM

**To:** Kelly, John E (NE); Cherry, Ronald C; Peko, Damian; Duncan, Aleshia D; JapanEmbassy, TaskForce; TaskForce-1 - Japan; CMS TaskForce1G - Japan

- ISN; 'hoo.hoc@nrc.gov'

**Cc:** Lyons, Peter; Aoki, Steven; NITOPS; DL-Policy Working Group; Deeney, Chris; Tilden, Jay; Visosky, Mark; Cook, Don; Miotla, Dennis; DAgostino, Thomas

**Subject:** DOE Assistance to Japan on Robotics

All,

Please find attached a summary of DOE/National Laboratory capabilities in the area of robotics and remote systems.

I am sending this to the Reactor Team (John Kelly), NRC Ops Center, DOS Task Force, and DOE's personnel in Tokyo for their consideration as appropriate.

R  
Tracy Mustin

---

**From:** Monninger, John  
**Sent:** Wednesday, March 23, 2011 9:38 AM  
**To:** Jaczko, Gregory  
**Cc:** Batkin, Joshua  
**Subject:** DOE Letter - No need to call

Mr. Chairman,

(b)(5)

John Monninger

---

**From:** Peko, Damian [Damian.Peko@Nuclear.Energy.gov]  
**Sent:** Wednesday, March 23, 2011 9:27 AM  
**To:** Monninger, John  
**Subject:** FW: Tokyo March 23

John

The email from John Kelly, as discussed.

Damian

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

**From:** Kelly, John E (NE)  
**Sent:** Wednesday, March 23, 2011 9:24 AM  
**To:** Peko, Damian  
**Cc:** Duncan, Aleshia; Cherry, Ron  
**Subject:** RE: Tokyo March 23

(b)(5)

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

**From:** Peko, Damian  
**Sent:** Wednesday, March 23, 2011 9:17 AM  
**To:** Kelly, John E (NE)  
**Cc:** Duncan, Aleshia; Cherry, Ron  
**Subject:** RE: Tokyo March 23



John

(b)(5)

Thanks

Damian

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

From: Kelly, John E (NE)

Sent: Wednesday, March 23, 2011 8:33 AM

To: NITSolutions; NITOPS; SCHU

Cc: DL-NERT-All

Subject: FW: Tokyo March 23

(b)(5)

---

**From:** Nielsen, Rick M (INPO) <NielsenFM@INPO.org>  
**Sent:** Wednesday, March 23, 2011 9:32 AM  
**To:** Monninger, John  
**Subject:** RE: KI FOR JAPAN - NEXT STEP

Got it, thanks!

Rick

---

**From:** Monninger, John [mailto:John.Monninger@nrc.gov]  
**Sent:** Wednesday, March 23, 2011 9:31 AM  
**To:** Nielsen, Rick M (INPO)  
**Subject:** FW: KI FOR JAPAN - NEXT STEP

3rd times a charm.

---

**From:** Monninger, John  
**Sent:** Wednesday, March 23, 2011 9:25 AM  
**To:** Monninger, John; RST09 Hoc; RST01 Hoc; MaundTR@inpo.org; inpoercassistance@inpo.org; NielsonFM@inpo.org; Hochebarar@inpo.org  
**Cc:** Devercelly, Richard  
**Subject:** RE: KI FOR JAPAN - NEXT STEP

Resending to include additional INPO contacts.

---

**From:** Monninger, John  
**Sent:** Wednesday, March 23, 2011 9:05 AM  
**To:** RST09 Hoc; RST01 Hoc; MaundTR@inpo.org  
**Cc:** Uhle, Jennifer; Devercelly, Richard  
**Subject:** KI FOR JAPAN - NEXT STEP

Terry,

Many thanks for all your efforts and continuing patience on all these matters. We advanced today in our discussions with Japan on the list of rad monitoring equipment, antiC clothing, KI, etc. The Japanese would like to further engage us on KI at this time. In particular, they would like to know answers to questions along the following lines before they make any decisions:

- What is the formulation? Is it tablet, granular, liquid, etc.? How big are the doses? Are there adult and children doses/portions? [Terry - Please answer any other questions that the experts in KI know will come up. I'm not a KI guy, and we want to avoid rounds of questions back and forths.]

From my perspective, can you also be very clear on what, if any, of the KI is being provided for free? If not, what are the costs? Also, any insights on pulling the KI together in a "more" central location in the US. I'm assuming it is spread out among the 60 odd reactor sites across the US. I'm also somewhat confident that the US military will get it there, but we would be pressed to have them stop at multiple sites.

I'm on the hook to report back to Japanese tomorrow at 8:00 pm Japan time(Thursday 3/24), so I would very much appreciate your support in pulling together any additional information you have.

By the way, they are very sensitive in engaging in any potential support areas. So (in my opinion), there dialogue on this topic represents a significant interest and need.

Thanks,  
John Monninger  
US NRC - Japan Team

(b)(6)

---

**From:** RST09 Hoc  
**Sent:** Tuesday, March 22, 2011 4:20 AM  
**To:** Monninger, John  
**Cc:** Uhle, Jennifer  
**Subject:** FW: Japan Assistance Request - Robotic Surveillance Equipment and Personnel Protective Gear

Attached is information provided by INPO regarding the status of the assistance request. Note that they stated that they did not have a specific request for robotics. At my request, they are now investigating availability. They noted a shortage of surveillance equipment from the manufacturers, so will check with utilities.

For shipping the material in the attached list, they will need a contact name and shipping address.

James Gilmer (11:00 to 7:00 EDT shift)  
NRC HQ Operations Center  
(301) 816-5514

---

**From:** Maund, Terrance P. (INPO) [mailto:MaundTR@inpo.org] **On Behalf Of** INPOERCAssistance  
**Sent:** Tuesday, March 22, 2011 4:05 AM  
**To:** RST09 Hoc  
**Subject:** RE: Japan Assistance Request - Robotic Surveillance Equipment and Personnel Protective Gear

Attention, James Gilmer

Attached is the excel sheet we developed for TEPCO's review on radiation instruments and monitors, ANTI-C 's, respirators, and KI pills. **We did not have a request for Robotics**

Additionally, we are canvassing the Utilities to see if they can donate survey meters and friskers, we will have this information today, day shift,(EDT).

We are awaiting their, TEPCO, approval to purchase, obtain and send. We need a point of contact name and phone number to accept materials, where to ship (airport), AND how will a purchase contract or account number be developed. Understanding there were problems with the Bechtel water pumping system purchase.

We will start obtaining information from vendors and the utilities on robotics and provide you the information today.

Thanks  
Terry Maund, INPO  
770-644-8118

---

**From:** RST09 Hoc [mailto:RST09.Hoc@nrc.gov]  
**Sent:** Tuesday, March 22, 2011 3:32 AM  
**To:** INPOERCAssistance  
**Subject:** Japan Assistance Request - Robotic Surveillance Equipment and Personnel Protective Gear

To whom it may concern:

Please provide an update to the NRC Operations Center as soon as possible on the status of the acquisition of robotic surveillance equipment and also of personnel protective gear. NRC Japan response team will be meeting in approximately 3 hours, and needs an update. Thank you very much.

James Gilmer  
NRC HQ Operations Center  
(301) 816-5514

---

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Thank you.~~

---

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Thank you.~~

---

**From:** Cook, William  
**Sent:** Wednesday, March 23, 2011 8:52 AM  
**To:** Grana, Brian T. Maj USMC; Merchant, Ned  
**Cc:** Hart, James V; Rogers, Ed; Casto, Chuck; Monninger, John; Dorman, Dan; LIA07 Hoc; RST08 Hoc; Monaghan, Dylan M Lt Col USAF MDAO; Young, Joseph ChiefPolMil AMEMB JP; Whitney, Andrew L Civ USAF PACAF 374 CONS/CD; Hackman, Michael R LtCol USAF PACAF 374 CONS/CC; Harris, Jeffrey W LTC PACOM, J4  
**Subject:** RE: REL Service Reps

Major Grana,  
Understand, my apologies to those not kept in the loop (in particular, Andy Whitney and Jeff Harris who have been doing much of the heavy \$\$ lifting on this project) on this developing situation with REL reps.  
Thanks to all,  
Bill

---

From: Grana, Brian T. Maj USMC [(b)(6)]  
Sent: Wednesday, March 23, 2011 8:40 AM  
To: Cook, William; Merchant, Ned  
Cc: Hart, James V; Rogers, Ed; Casto, Chuck; Monninger, John; Dorman, Dan; LIA07 Hoc; RST08 Hoc; Monaghan, Dylan M Lt Col USAF MDAO; Young, Joseph ChiefPolMil AMEMB JP; Whitney, Andrew L Civ USAF PACAF 374 CONS/CD; Hackman, Michael R LtCol USAF PACAF 374 CONS/CC; Harris, Jeffrey W LTC PACOM, J4  
Subject: RE: REL Service Reps

Bill/Ned,

Please ensure these discussions always include Mr. Whitney and LTC Hackman from the contracting office. Thank you.

Very Respectfully,

Major Grana

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

From: Cook, William [mailto:William.Cook@nrc.gov]  
Sent: Wednesday, March 23, 2011 9:35 PM  
To: Merchant, Ned  
Cc: Grana, Brian T. Maj USMC; Hart, James V; Rogers, Ed; Casto, Chuck; Monninger, John; Dorman, Dan; LIA07 Hoc; RST08 Hoc; Monaghan, Dylan M Lt Col USAF MDAO; Young, Joseph ChiefPolMil AMEMB JP  
Subject: RE: REL Service Reps

All,

Based upon my discussion with Mark Lagemann last night and this morning, he indicated that there was a possibility that he would rotate his assistants to support both his company's needs and the training efforts here in Japan. I trust him implicitly, based upon his track record to date, to ensure TEPCo gets the product they need and the necessary training to support it. I have no objections to REL's decision to release one or two of his folks. We are already in their debt and should respect their decision to determine who and how many support this efforts.

Many thanks the the Aussies! Whoever remains will be busy folks and challenged in the next few days.

Regards,

Bill

---

From: Merchant, Ned [cemercha@bechtel.com]  
Sent: Wednesday, March 23, 2011 8:14 AM  
To: Cook, William  
Cc: Grana, Brian T. Maj USMC; Hart, James V; Rogers, Ed  
Subject: REL Service Reps

Bill,

James Hart was requested by REL to inquire as to the possibility of releasing one or two of the reps. They have an emergency requirement back in Australia and they need these men. They are confident that any further training can be accomplished with only one rep.

Please advise as soon as possible. If you agree, advise the reps and they can make their arrangements to return.

Thank you.

Best Regards, Ned

"Quality is not an act, it is a habit"

---

**From:** Grana, Brian T. Maj USMC (b)(6)  
**Sent:** Wednesday, March 23, 2011 8:45 AM  
**To:** Merchant, Ned; Cook, William  
**Cc:** Hart, James V; Rogers, Ed; Casto, Chuck; Monninger, John; Dorman, Dan; LIA07 Hoc; RST08 Hoc; Monaghan, Dylan M Lt Col USAF MDAO; Young, Joseph ChiefPolMil AMEMB JP; Whitney, Andrew L Civ USAF PACAF 374 CONS/CD; Hackman, Michael R LtCol USAF PACAF 374 CONS/CC; Harris, Jeffrey W LTC PACOM, J4  
**Subject:** RE: REL Service Reps

No problem sir - I just want to ensure we protect everyone's interests in this. Everyone is doing too great of a job to lower our standards. We all want to help our friends fix this situation as soon as humanly possible. Thank you! Semper Fi, Brian

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

**From:** Merchant, Ned [mailto:cemercha@bechtel.com]  
**Sent:** Wednesday, March 23, 2011 9:44 PM  
**To:** Grana, Brian T. Maj USMC; Cook, William  
**Cc:** Hart, James V; Rogers, Ed; Casto, Chuck; Monninger, John; Dorman, Dan; LIA07 Hoc; RST08 Hoc; Monaghan, Dylan M Lt Col USAF MDAO; Young, Joseph ChiefPolMil AMEMB JP; Whitney, Andrew L Civ USAF PACAF 374 CONS/CD; Hackman, Michael R LtCol USAF PACAF 374 CONS/CC; Harris, Jeffrey W LTC PACOM, J4  
**Subject:** RE: REL Service Reps

Will do Brian. I appreciate the heads up. With all the players in this game, and me being older than dirt, I sometimes forget the correct distribution.

Best Regards, Ned  
"Quality is not an act, it is a habit"

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

**From:** Grana, Brian T. Maj USMC [mailto:(b)(6)]  
**Sent:** Wednesday, March 23, 2011 7:41 AM  
**To:** Cook, William; Merchant, Ned  
**Cc:** Hart, James V; Rogers, Ed; Casto, Chuck; Monninger, John; Dorman, Dan; LIA07 Hoc; RST08 Hoc; Monaghan, Dylan M Lt Col USAF MDAO; Young, Joseph ChiefPolMil AMEMB JP; Whitney, Andrew L Civ USAF PACAF 374 CONS/CD; Hackman, Michael R LtCol USAF PACAF 374 CONS/CC; Harris, Jeffrey W LTC PACOM, J4  
**Subject:** RE: REL Service Reps

Bill/Ned,

Please ensure these discussions always include Mr. Whitney and LTC Hackman from the contracting office. Thank you.

Very Respectfully,

Major Grana

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

From: Cook, William [mailto:William.Cook@nrc.gov]

Sent: Wednesday, March 23, 2011 9:35 PM

To: Merchant, Ned

Cc: Grana, Brian T. Maj USMC; Hart, James V; Rogers, Ed; Casto, Chuck; Monninger, John; Dorman, Dan; LIA07 Hoc; RST08 Hoc; Monaghan, Dylan M Lt Col USAF MDAO; Young, Joseph ChiefPolMil AMEMB JP

Subject: RE: REL Service Reps

All,

Based upon my discussion with Mark Lagemann last night and this morning, he indicated that there was a possibility that he would rotate his assistants to support both his company's needs and the training efforts here in Japan. I trust him implicitly, based upon his track record to date, to ensure TEPCo gets the product they need and the necessary training to support it. I have no objections to REL's decision to release one or two of his folks. We are already in their debt and should respect their decision to determine who and how many support this efforts.

Many thanks the the Aussies! Whoever remains will be busy folks and challenged in the next few days.

Regards,

Bill

---

From: Merchant, Ned [cemercha@bechtel.com]

Sent: Wednesday, March 23, 2011 8:14 AM

To: Cook, William

Cc: Grana, Brian T. Maj USMC; Hart, James V; Rogers, Ed

Subject: REL Service Reps

Bill,

James Hart was requested by REL to inquire as to the possibility of releasing one or two of the reps. They have an emergency requirement back in Australia and they need these men. They are confident that any further training can be accomplished with only one rep.

Please advise as soon as possible. If you agree, advise the reps and they can make their arrangements to return.

Thank you.

Best Regards, Ned

"Quality is not an act, it is a habit"



---

**From:** Jaczko, Gregory  
**Sent:** Wednesday, March 23, 2011 7:34 AM  
**To:** Monninger, John  
**Subject:** Fw: DOE Assessment of Salt Issue

(b)(5)

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

**From:** Jaczko, Gregory  
**To:** Casto, Chuck  
**Cc:** 'william.borchardt@nrc.gov' <william.borchardt@nrc.gov>; Virgilio, Martin  
**Sent:** Wed Mar 23 07:05:17 2011  
**Subject:** Re: DOE Assessment of Salt Issue

(b)(5)

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

**From:** Casto, Chuck  
**To:** 'YoungJM@state.gov' <YoungJM@state.gov>; 'LukeRS@state.gov' <LukeRS@state.gov>; 'TongKW@state.gov' <TongKW@state.gov>  
**Cc:** Jaczko, Gregory; 'william.borchardt@nrc.gov' <william.borchardt@nrc.gov>; Virgilio, Martin; 'WallMM@state.gov' <WallMM@state.gov>; 'CherryRC@state.gov' <CherryRC@state.gov>  
**Sent:** Wed Mar 23 04:10:35 2011  
**Subject:** Re: DOE Assessment of Salt Issue

(b)(5)

Chuck

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

**From:** Young, Joseph M <YoungJM@state.gov>  
**To:** Casto, Chuck; Luke, Robert S <LukeRS@state.gov>; Tong, Kurt W <TongKW@state.gov>  
**Cc:** Jaczko, Gregory; william.borchardt@nrc.gov <william.borchardt@nrc.gov>; Virgilio, Martin; Wall, Marc M <WallMM@state.gov>; Cherry, Ronald C <CherryRC@state.gov>  
**Sent:** Wed Mar 23 02:54:22 2011  
**Subject:** RE: DOE Assessment of Salt Issue

Chuck: Just to confirm -- (b)(5)

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

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

From: Casto, Chuck [mailto:Chuck.Casto@nrc.gov]  
Sent: Wednesday, March 23, 2011 3:38 PM  
To: Young, Joseph M; Luke, Robert S; Tong, Kurt W  
Cc: Jaczko, Gregory; 'william.borchardt@nrc.gov'; Virgilio, Martin  
Subject: FW: DOE Assessment of Salt Issue

FYI

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

From: Duncan, Aleshia [mailto:Aleshia.Duncan@nuclear.energy.gov]  
Sent: Wednesday, March 23, 2011 1:12 AM  
To: Casto, Chuck  
Subject: Fw: DOE Assessment of Salt Issue

Chuck,

DOE has completed their assessment of the salt issue.

(b)(5)

(b)(5)

Thank you.

Aleshia

-----  
Sent from my BlackBerry Wireless Handheld

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

From: Kelly, John E (NE)  
To: Peko, Damian; Cherry, Ron; Duncan, Aleshia  
Cc: DL-NERT-All; Lyons, Peter; Johnson, Shane  
Sent: Tue Mar 22 23:52:56 2011  
Subject: DOE Assessment of Salt Issue

Damian, Ron & Aleshia

(b)(5)

Thanks for all your efforts

John

Dr. John E. Kelly  
Deputy Assistant Secretary for Nuclear Reactor Technologies  
NE-7  
U.S. Department of Energy  
1000 Independence Ave. SW  
Washington, DC 20585  
phone: 202-586-5458  
fax: 202-586-0541  
mobile: (b)(6)

---

**From:** Batkin, Joshua  
**Sent:** Wednesday, March 23, 2011 7:17 AM  
**To:** Monninger, John  
**Subject:** Re: DOE Letter to TEPCO

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Monninger, John  
**To:** Batkin, Joshua  
**Sent:** Wed Mar 23 06:10:49 2011  
**Subject:** Fw: DOE Letter to TEPCO

Josh

(b)(5)

John Monninger

(b)(6)

---

**From:** Tong, Kurt W <TongKW@state.gov>  
**To:** Cherry, Ronald C <CherryRC@state.gov>; Zumwalt, James P <ZumwaltJP@state.gov>  
**Cc:** Casto, Chuck; Dorman, Dan; Monninger, John; Foggie, Kirk; Duncan, Aleshia D <DuncanAD@state.gov>; Aleshia.Duncan@nuclear.energy.gov <Aleshia.Duncan@nuclear.energy.gov>; Damian.Peko@Nuclear.Energy.gov <Damian.Peko@Nuclear.Energy.gov>; Young, Joseph M <YoungJM@state.gov>; Wall, Marc M <WallMM@state.gov>  
**Sent:** Wed Mar 23 05:30:35 2011  
**Subject:** Re: DOE Letter to TEPCO

OK. Thanks for your good work on this. KT

---

**From:** Cherry, Ronald C  
**Sent:** Wednesday, March 23, 2011 05:16 AM  
**To:** Zumwalt, James P; Tong, Kurt W  
**Cc:** 'Chuck Casto' <Chuck.Casto@nrc.gov>; 'dan.dorman@nrc.gov' <dan.dorman@nrc.gov>; 'john.monninger@nrc.gov' <john.monninger@nrc.gov>; 'Foggie, Kirk' <Kirk.Foggie@nrc.gov>; Duncan, Aleshia D; 'Duncan, Aleshia' <Aleshia.Duncan@nuclear.energy.gov>; 'Peko, Damian' <Damian.Peko@Nuclear.Energy.gov>; Young, Joseph M; Wall, Marc M  
**Subject:** DOE Letter to TEPCO

Jim, Kurt –

(b)(5)

Thanks.

Ron

Ronald C. Cherry  
Energy Attaché  
Director, DOE Japan Office  
U.S. Embassy Tokyo  
Tel. (0)3-3224-5444  
Fax (0)3-3224-5769  
Cell (b)(6)  
email [CherryRC@state.gov](mailto:CherryRC@state.gov)

SBU  
This email is UNCLASSIFIED.

---

**From:** Laufer, Richard  
**Sent:** Wednesday, March 23, 2011 6:43 AM  
**To:** Hart, Ken; Baval, Rochelle; Vietti-Cook, Annette; Kasputys, Clare; Reddick, Darani; Davis, Roger; Thoma, John; Sharkey, Jeffrey; Batkin, Joshua; Herr, Linda; Bradford, Anna; Burns, Stephen; Coggins, Angela; Clark, Lisa; Hipschman, Thomas; Monninger, John; Shea, Pamela; Bozin, Sunny; Baggett, Steven; Andersen, James; Warren, Roberta; Mamish, Nader; Landau, Mindy; Marshall, Michael; Fopma, Melody; Orders, William; Nieh, Ho; Zorn, Jason; Franovich, Mike; Kock, Andrea; Crawford, Carrie; Bubar, Patrice; Temp, WCO; Snodderly, Michael; Sosa, Belkys; Tadesse, Rebecca; Bupp, Margaret; Temp, WDM; Svinicki, Kristine; Castleman, Patrick; Adler, James; Dhir, Neha; Muessle, Mary; Pearson, Laura; Warnick, Greg; Lisann, Elizabeth  
**Cc:** Rothschild, Trip; Itzkowitz, Marvin  
**Subject:** Status Update  
**Attachments:** Status Update.docx

Attached.

Rich

**STATUS UPDATE**

(b)(5)

(b)(5)

STATUS OF FOIA REQUESTS

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FOIA NUMBER/SUBJECT	TO COMRS/SECY PERFECTED DATE	DUE DATE TO SECY COMRS/SECY	RECEIVED FROM STATUS/COMMENTS
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(b)(5)



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**From:** Monninger, John  
**Sent:** Wednesday, March 23, 2011 6:20 AM  
**To:** Cook, William  
**Subject:** Fw: Attn Econ: Robots for Japan  
**Attachments:** Robots for Japan Earthquake.pdf

John Monninger

(b)(6)

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

**From:** Howard, E. Bruce <HowardEB@state.gov>  
**To:** Monninger, John  
**Sent:** Mon Mar 21 00:50:50 2011  
**Subject:** FW: Attn Econ: Robots for Japan

As discussed.

This email is UNCLASSIFIED

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

**From:** CMS TaskForce1Q On Behalf Of zTask Force 1 Mailbox  
**Sent:** Sunday, March 20, 2011 1:43 AM  
**To:** Lewis, Brian M; 'Lewisbm@fcmp.org'; Thur, Randy R; 'Thurrr@fcmp.org'; Schiller, Bryan S  
**Cc:** 'LoweTJ@fcmp.org'; Lee, Siyoung; Skypek, Thomas M; 'SkypekTM@fcmp.org'; Pigg, David N; 'PiggDN@fcmp.org'; Willemann, Jeffrey P; 'WillemannJP@fcmp.org'; Lowe, Thomas J; Schiller, Bryan S; zTask Force 1 Mailbox  
**Subject:** FW: Fwd: Robots for Japan

FCM Forward,

Attached is a description of QinetiQ robots that would fill a Request for Information (RFI) from the GOJ regarding remote-controlled robots. On the U.S. side, A/S Lyons of DOE has said that this support will be worked out in the private sector between TEPCO and QinetiQ; however, this does not answer the official request for information from the GOJ. I am having trouble finding out where in the GOJ this RFI originated but please pass this along, if appropriate.

Thanks, Nate

TF-1

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

**From:** Tong, Kurt W  
**Sent:** Saturday, March 19, 2011 11:12 PM  
**To:** TaskForce-1  
**Cc:** Basalla, Suzanne I  
**Subject:** FW: Fwd: Robots for Japan

Washington team -- note attachment with data on QinetiQ robots, and QinetiQ continued interest/double-tracking with Embassy. Action remains with Washington side to figure out how to make this happen. Thanks, Kurt T

This email is UNCLASSIFIED

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

From: Basalla, Suzanne I

Sent: Sunday, March 20, 2011 11:29 AM

To: Tong, Kurt W; [redacted] (b)(6)

Cc: Luke, Robert S; Zumwalt, James P; 'Peko, Damian'; Fuller, Matthew G; [redacted] (b)(6); 'McDaniel, Everett K COL USA USFJ J4'; [redacted] (b)(6)

Subject: FW: Fwd: Robots for Japan

Kurt/OSD colleagues,

Please see attached fact sheet on Robots from JD Crouch. Can you please get this information to anyone who may find this of interest/value in our support to the Japanese at the nuclear plant?

Suzanne

SBU

This email is UNCLASSIFIED

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

From: Mike Green [mailto:MGreen@csis.org]

Sent: Sunday, March 20, 2011 5:10 AM

To: Basalla, Suzanne I

Cc: [redacted] (b)(6)

Subject: Fw: Fwd: Robots for Japan

Suzanne,

Know you are extremely busy. If there is anything I can do to help, please let me know. We have some ideas for a CSIS-Keidanren task force on US-Japan cooperation on reconstruction and lessons learned that I'll tell you more about when we have a better handle on things. For now, I wanted to connect you with J.D. Crouch -- His company is sending robot assets and we both thought you and the Ambassador should be aware. It sounds like the GOJ is very slow deciding how to respond to these capabilities --but this one seems clearly needed. Anyway, J.D sent me the attached fact sheet, but I'll let him tell you more.

Gambatte,

Mike

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

From: J.D. Crouch [mailto:[redacted] (b)(6)]

Sent: Saturday, March 19, 2011 03:27 PM

To: Mike Green

Subject: Fwd: Robots for Japan

Here is the info

6 Dragon Runners

4 Talons

2 Bobcat Kits

JD

----- Forwarded message -----

From: Quinn, Robert <Robert.Quinn@qinetiq-na.com>

Date: Friday, March 18, 2011

Subject: Robts for Japan

To: (b)(6)

JD, please see attached file. bob

### **QinetiQ North America Robots for use following the Japan Earthquake**

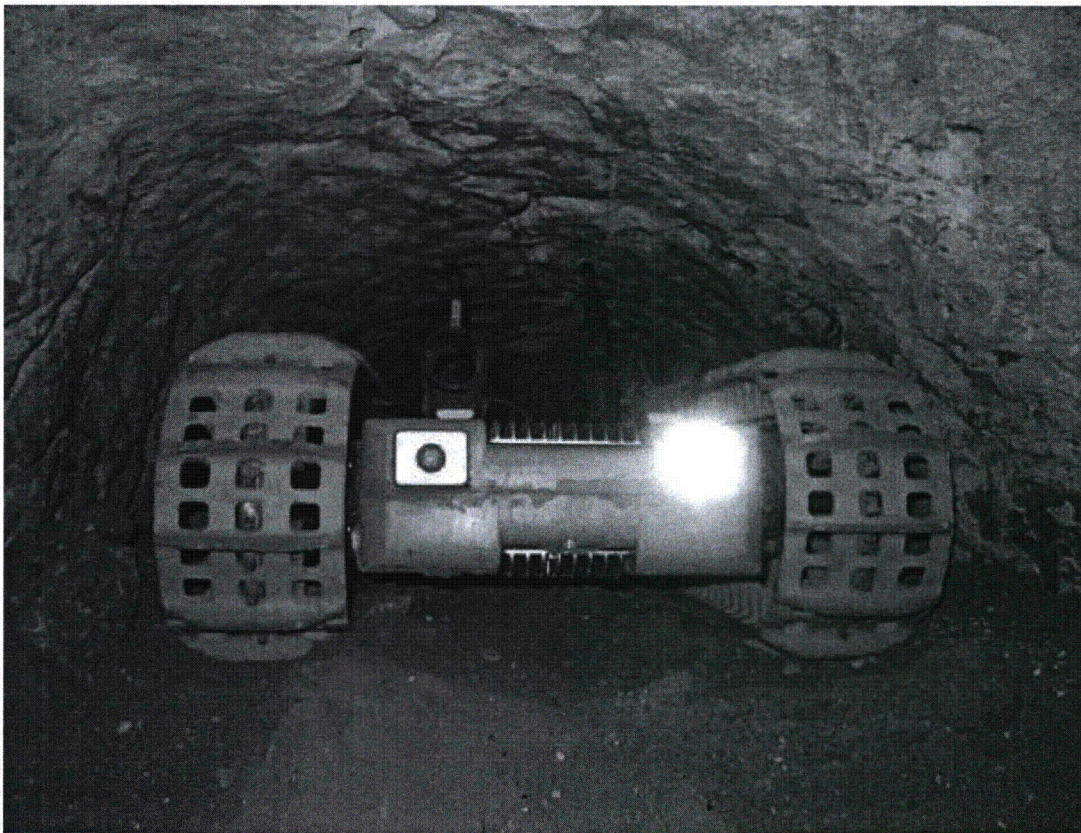
**Dragon Runner** - 18 lb to 30 lb. wheeled or tracked robot was developed by US Marine Corps and first used in Iraq in 2005 for urban reconnaissance. Over 200 are now operating in Afghanistan with UK and NATO forces to neutralize IED's. It has the rugged reliability comparable to all QinetiQ military grade robots.

It is ideal for investigating small spaces in rubble piles, trenches, culverts and tunnels. IR illuminated and advanced thermal cameras make visibility in extreme low light areas possible at distances of up to 800 meters from the operator.

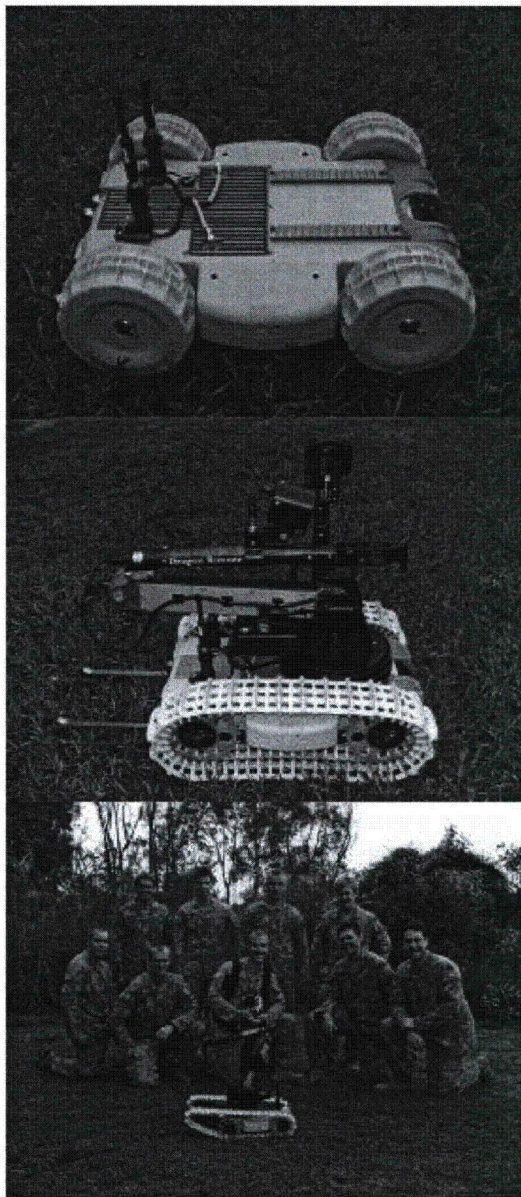
The robot has sensitive listening microphones that allow the operator to hear sounds close to the robot from up to 800 meters from the operator.

The eyes and ears of this small rugged robot protect the first responder from falling debris while navigating spaces too small for a human.

The field transformability of this robot allows the operator to quickly and easily select the best wheel or track and manipulator to fit the specific task at hand.



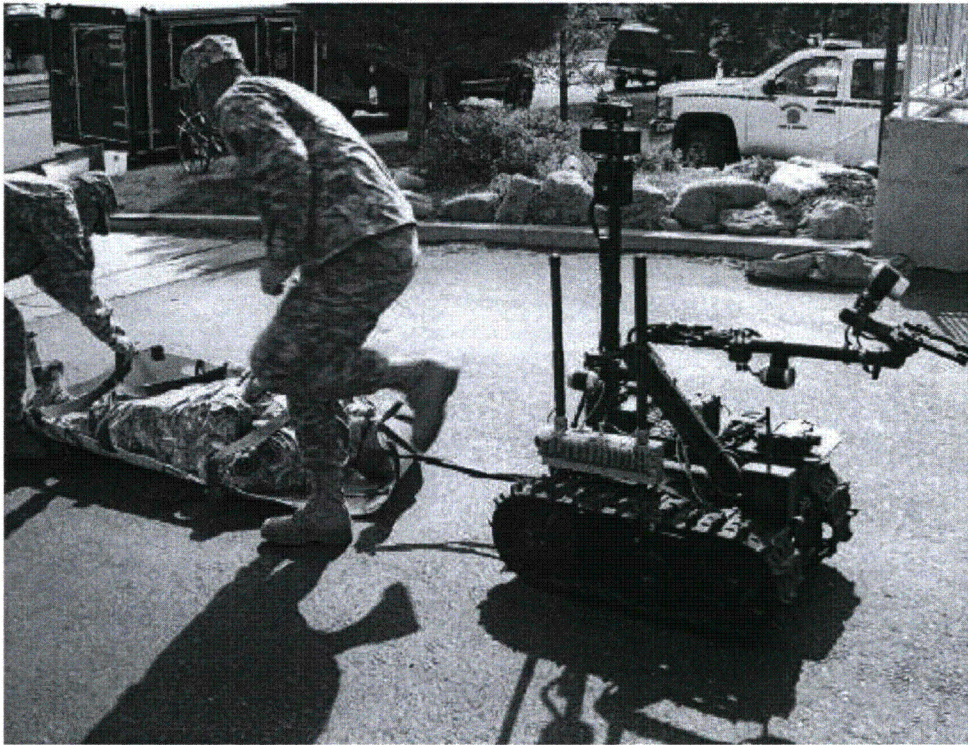




**TALON** - 100 lb to 120 lb Talon robots are the workhorse of the US military with over 3,000 fielded to demanding military and first responders worldwide. This robot is incredibly resilient to the torturous conditions in Iraq and Afghanistan detecting and defeating Improvised Explosive Devices that other robots are not rugged enough to unearth and neutralize. On average TALON robots are blown-up 13 times and repaired in field repair centers in just 1 hour before the next blast destroys the robot.

TALON HAZMAT robots are fitted with radiation, fire and chemical sensors in addition to IR Illuminated and Thermal cameras allowing the operator to see in the dark and “smell” what the robot is sensing from 800 to 1,000 meters away. It also has the pulling power to drag victims hundreds of meters away from a hazard. TALON robots were

developed by the US Navy for underwater exploration and counter-mine neutralization. Consequently they are resistant to water and is the only robot that has survived bio-medical decontamination using hot water and bleach power wash twice a day for 45 days following rescue operations at the World Trade Center following the 9/11/01 attack. On several occasions they have been blown-up by IED's into Iraqi rivers and lakes only to be driven out by astounded military operators who write us back to report this incredible capability.





## TALON® robots CBRNE/Hazmat Add-On Module for GEN IV

Modular CBRNE (chemical, biological, radiological, nuclear, explosive) kits are now available as an addition to new or existing models of the GEN IV TALON robot.

### Tray-Mounted Detection Capabilities

- JCAD (Joint chemical agent detector) for CWAs (chemical warfare agents) and TICs (toxic industrial chemicals)
- RAE MultiRAE Plus for volatile gases
- Canberra AN/UDR-14 for gamma and neutron radiation
- Raytek temperature probe for temperature sensing

### Gripper-Mounted Detection Capabilities

- ICX Fido\* XT for trace explosives
- Ahura First Defender RMX for identification of more than 7,500 explosives, precursors and chemicals

In addition to purchasing the system new, any existing TALON IV can be upgraded within minutes to support the CBRNE/Hazmat module. It comes with an easy on/easy off mounting

tray with attachment brackets for the JCAD, MultiRAE, AN/UDR14 and Raytek sensors. Users who already own some or all of these sensors can mount the ones they own; no need to purchase new ones.

The Fido and Ahura detectors can be used interchangeably on the gripper via another easy on/easy off attachment.



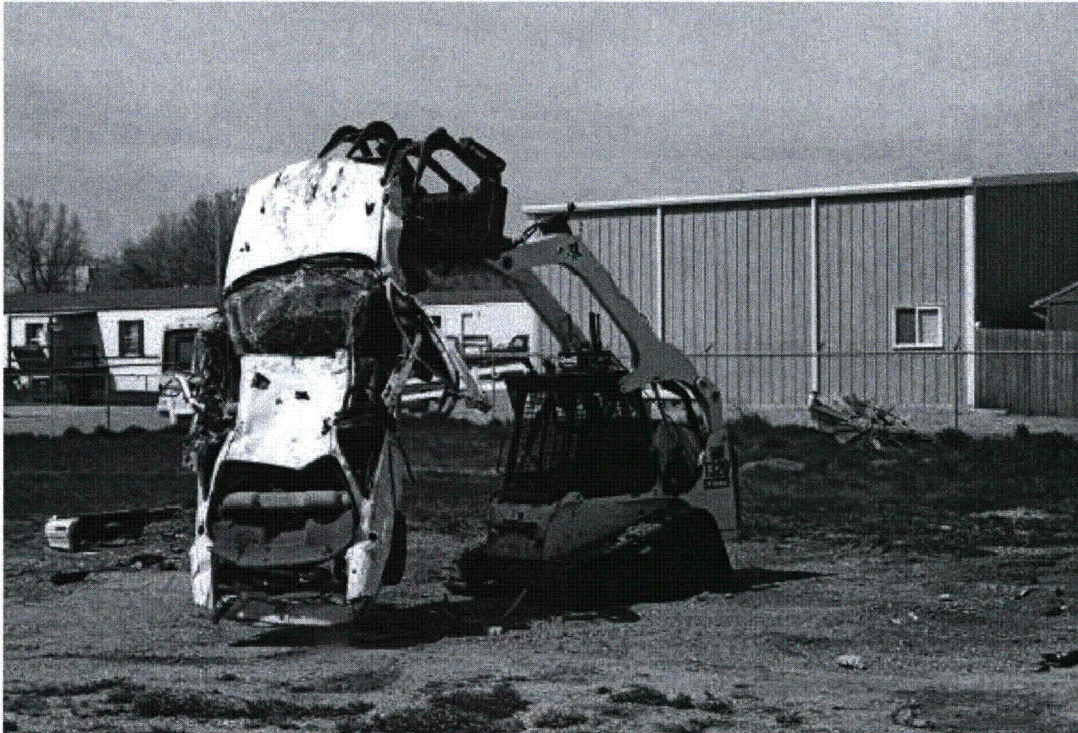
Tray mounted detectors

Ahura First Defender RMX mounted on gripper

Fido XT mounted on gripper



**Bobcat Remote Control Kits** – 17 Selectable Joystick Control Bobcat Loaders ranging in size from 1,000 to 3,500 lbs and fitted with over 70 attachments can in just 15 minutes be made into an unmanned vehicle using QineitQ's Robotic Appliqué Kit. These skid steer loaders can safely remove rubble and debris, dig up buried objects and carry smaller robots or equipment for over one mile from the operator who can be safely protected inside vehicles or shielded walls while he operates the loader remotely. The joystick controlled Bobcat Loaders can be driven inside the cab or by remote operation from one mile away. The Robotic Appliqué Kit can remotely operate all of the 70 attachments from shovels, buckets, grapples, rollers, tree cutters to special breaching tools to break thru walls and doors. It can be field modified to attach radiation sensor from the TALON robot to the roof of the Bobcat or carry the TALON robot with its radiation, fire and chemical sensors down range to extend the range of the TALON robot that could then fit into smaller spaces than the Bobcat Loader.





## Robotic Controller Kit for Bobcat Loaders

QinetiQ North America's robotic controller kit can be installed in about 15 minutes on any of 17 models of Bobcat skid-steer, all-wheel steer, or compact track loaders that are equipped with Selectable Joystick Controls (SJC).

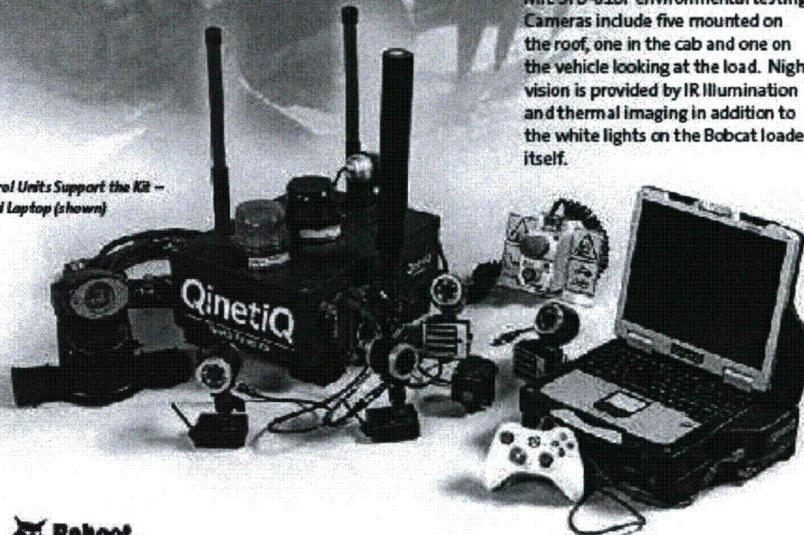
The kit temporarily turns the loader into a remotely operated "robot" capable of using more than 37 Bobcat-approved attachments. The loader can be sent down-range to handle large, deep-buried IEDs or vehicle-borne IEDs or land mines and unex-

ploded ordnance. Upon completion of a mission, the kit can be removed, reverting the machine to "in the seat" operation. The kit can be swapped from one SJC-equipped Bobcat loader to another by the user, allowing the mission to dictate what size machine to use along with what specific attachment works best.

The robotics kit for Bobcat loaders includes seven cameras for non-line-of-sight operation, a microphone to enable the remote operator to hear ambient sound from the cab, three different CREW 2.1 compatible radio options, three control options (laptop, wearable and table top), green and yellow warning lights to signal robotic engagement, an anti-rollover warning system, and emergency manual shut off switches on the vehicle and on the control panel that support remote restart.

The kit's hardened electronics are rated at 156°F and have passed rigorous MIL-STD-810F environmental testing. Cameras include five mounted on the roof, one in the cab and one on the vehicle looking at the load. Night vision is provided by IR illumination and thermal imaging in addition to the white lights on the Bobcat loader itself.

Three Types of Control Units Support the Kit -  
Ruggedized Laptop (shown)



QinetiQ  
North America, Inc.

Bobcat.

D500 050

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**From:** LIA07 Hoc  
**Sent:** Wednesday, March 23, 2011 6:20 AM  
**To:** Liaison Japan  
**Subject:** 0600 3/23/11 NRC Status Update  
**Attachments:** USNRC Earthquake-Tsunami Update.032311.0600EDT.docx; March 23 0600EDT one pager (2).docx

Attached, please find the latest status update and briefing sheet for your reference.  
Please let me know if you have any changes that should be made for the next issue at 1800 EDT on March 23.

Thank you,

Jim

---

**From:** Monninger, John  
**Sent:** Wednesday, March 23, 2011 6:19 AM  
**To:** Cook, William  
**Subject:** Fw: helo

John Monninger

(b)(6)

---

**From:** Tong, Kurt W <TongKW@state.gov>  
**To:** Casto, Chuck; Monninger, John  
**Sent:** Tue Mar 22 19:42:50 2011  
**Subject:** Fw: helo

---

**From:** Deming, Rust M  
**Sent:** Tuesday, March 22, 2011 07:14 PM  
**To:** TaskForce-1 - Japan; Zumwalt, James P; Tong, Kurt W  
**Cc:** Donovan, Joseph R; Patel, Nirav S; Loi, James L; Dresser, Heather L (EAP/J)  
**Subject:**

Toshi Ando at the Japanese Embassy called to say that he had heard that an aircraft carry the KMAX would depart the US at 8:00 pm EDT March 22 for Yokota. He asked if we could confirm this. He was unclear whether the GOJ had made an official request. I said I had heard earlier in the day that we had received such a request, but I could not confirm that.

He also asked us to confirm the exact type of the helicopter in question and the number being transported.

Comment:

Ando seems anxious that we avoid the kind of confusion that arose over the Bechtel pipe trains. If addressees can offer any clarification, I suggest the Task Force pass it on to Ando at 202 531-9705. Thanks

Rust M. Deming  
Senior Advisor  
Bureau of East Asian and Pacific Affairs  
Department of State  
Washington, DC 20520  
202 647-2912

SBU  
This email is UNCLASSIFIED.

Rust M. Deming  
Senior Advisor  
Bureau of East Asian and Pacific Affairs  
Department of State  
Washington, DC 20520  
202 647-2912

SBU  
This email is UNCLASSIFIED.

---

**From:** Monninger, John  
**Sent:** Wednesday, March 23, 2011 6:19 AM  
**To:** Cook, William  
**Subject:** Fw: DOE Assistance to Japan on Robotics  
**Attachments:** Japan Robotic and Remote Systems Assistance (22 March 2011).docm

John Monninger

(b)(6)

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

**From:** Cherry, Ronald C <CherryRC@state.gov>  
**To:** Monninger, John  
**Sent:** Tue Mar 22 19:45:39 2011  
**Subject:** Fw: DOE Assistance to Japan on Robotics

I'll print copies of this and bring them to your room.

This has been sent from my Blackberry

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

**From:** Mustin, Tracy <Tracy.Mustin@nnsa.doe.gov>  
**To:** Kelly, John E (NE) <JohnE.Kelly@Nuclear.Energy.Gov>; Cherry, Ronald C; Peko, Damian <Damian.Peko@Nuclear.Energy.gov>; Duncan, Aleshia D; JapanEmbassy, TaskForce; TaskForce-1 - Japan; CMS TaskForce1G - Japan - ISN; 'hoo.hoc@nrc.gov' <hoo.hoc@nrc.gov>  
**Cc:** Lyons, Peter <Peter.Lyons@Nuclear.Energy.gov>; Aoki, Steven <Steven.Aoki@nnsa.doe.gov>; NITOPS <NITOPS@nnsa.doe.gov>; DL-Policy Working Group <DL-PolicyWorkingGroup@nnsa.doe.gov>; Deeney, Chris <Chris.Deeney@nnsa.doe.gov>; Tilden, Jay <Jay.Tilden@nnsa.doe.gov>; Visosky, Mark <Mark.Visosky@nnsa.doe.gov>; Cook, Don <Don.Cook@nnsa.doe.gov>; Miotla, Dennis <Dennis.Miotla@nuclear.energy.gov>; DAgostino, Thomas <Thomas.DAgostino@nnsa.doe.gov>  
**Sent:** Tue Mar 22 19:31:06 2011  
**Subject:** DOE Assistance to Japan on Robotics

All,

Please find attached a summary of DOE/National Laboratory capabilities in the area of robotics and remote systems.

I am sending this to the Reactor Team (John Kelly), NRC Ops Center, DOS Task Force, and DOE's personnel in Tokyo for their consideration as appropriate.

R  
Tracy Mustin



U.S. Department of  
**ENERGY**

**Robotic and Remote Systems  
Assistance Available to the  
Government of Japan**

**March 22, 2011**

**United States Department of Energy  
Washington, DC 20585**

## Summary of Potential Near-Term Assistance for Capabilities to Support Reactor Cooling Operations

Department of Energy (DOE) laboratories can provide the Government of Japan with unmanned aerial vehicle (UAV) capabilities in response to the following request:

- Remote-controlled equipment and other remote-controlled transport machinery designed for countermeasures against radiation disaster (including their specification)
- Remote-controlled equipment refers to small-sized, lightweight, unmanned monitoring robots or aircraft survey systems which could be utilized, in cases of nuclear disasters, to gather monitoring information by remote control in a speedy and safe manner without the risks of radiation exposure.
- Other remote-controlled transport machinery refers to unmanned trucks or helicopters that are capable of delivering goods and equipment needed in areas highly contaminated with radiation without the risks of radiation exposure.

Government of Japan Request	Potential Near-Term Assistance from the Department of Energy
<p>Small-sized, lightweight, unmanned monitoring robots or aircraft survey systems which could be utilized, in cases of nuclear disasters, to gather monitoring information by remote control in a speedy and safe manner without the risks of radiation exposure</p>	<p><b>Remote Investigation and Situational Awareness</b></p> <ul style="list-style-type: none"> <li>- 2 QinetiQ Talons with manipulation and navigation (available immediately)</li> <li>- 1 QinetiQ Talon with RASR hazard sensor and mapping with automation (QinetiQ owned, DOE enabled 1-2 weeks)*</li> <li>- 2 i-robot packbots with manipulation or sensor packages (immediately)</li> <li>- 1 Gemini Scout robot (immediately)</li> <li>- 1 M2 highly-manipulative robot (2-3 weeks) (used in nuclear high-rad environment in the past)</li> <li>- Simple radiation shielding of vehicles (1-2 weeks)</li> <li>- 2 sensors deployed on automated larger vehicles, such as Gator (1 available immediately another within 1-3 weeks)</li> <li>- Remotec Wolverine (800 pound vehicle) available (immediately)*</li> <li>- Commercially available Robots from Remotec (4 months) *</li> <li>- Commercially available Robots from QinetiQ and i-robot (immediately)*</li> <li>- i-robot warrior with sensor and autonomous driving (DoD-owned / DOE-enabled - likely 1-2 weeks) *</li> </ul> <p><b>Unmanned Aerial Vehicle Systems</b></p> <ul style="list-style-type: none"> <li>- 20 fixed wing/10 rotor wing UAVs; multiple sensors and payloads</li> <li>- 2 Tethered Dirigibles</li> <li>- 1 fixed wing unmanned aircraft (2ft wing span) currently fitted with cameras</li> </ul>

	<p>- Commercially available (procure or rent): Arcturus T-16 and T-20 UAVs, Guided Systems Electric Helicopters, and Boeing Scan Eagle *</p> <p><b>Radiation Hardened Cameras</b></p> <p>- Wide array of small Cameras, 53 mm diameter x 35 mm head height that can withstand a cumulative radiation dose of <math>10^7</math> RAD (available immediately)</p>
<p>Unmanned trucks or helicopters that are capable of delivering goods and equipment needed in areas highly contaminated with radiation without the risks of radiation exposure</p>	<p><b>Remote Heavy Equipment:</b></p> <ul style="list-style-type: none"> <li>- Automated Backhoes (available immediately)</li> <li>- Brokk 330 - widely used for remote decommissioning operations such as to cut and remove debris (8 weeks)</li> <li>- Air Force tracked vehicles with tele-operation and water cannon capability (some currently available in Japan at Air Force bases; additional systems available immediately from the US)*</li> <li>- Tele-operated Hummer and Toyota Highlander (immediately available)*</li> <li>- Five-ton trucks (available immediately)*</li> <li>- Automated larger backhoes such as CAT D9R and D10T, the Komatsu D275 and D375 dozers (8 weeks)*</li> </ul>

\* Commercially available equipment that can be procured or rented. All other equipment is DOE-owned and can be deployed to Japan under NNSA/DOE authorities.

**Other Considerations before Deploying Equipment:**

- Operational Control: Who will operate the equipment? DOE personnel? Or will DOE personnel train Government of Japan or industrial personnel to operate the equipment?
- DOE Personnel Requirements:
  - o Who will need to deploy with the equipment?
  - o What equipment and resources (e.g., sat phones) do they need to deploy with?
  - o What reach back capabilities will be required to assist deployed teams and Government of Japan users?
- Operational Environment:
  - o What is the environment in which the equipment will be used (e.g., infrastructure conditions, pathways, radiation levels, distance to operational positions)?
  - o How will the equipment interface and operate with existing efforts (e.g., are the communication systems interoperable)?
- Requirements Definitions:
  - o What needs has the Government of Japan already identified that can be benefited by Remote Systems and Characterization Systems?
  - o What are the specific objectives relative the activities envisioned?



- What are the inhibitors that have been encountered that are keeping existing efforts from meeting their objectives – and how might the unmanned systems help to overcome those inhibitors?
- What activities have been tried and what was the result?

The following report provides additional information on other government and commercially support the Department of Energy could make available to the Government of Japan, including expertise and capabilities for immediate characterization, recovery and stabilization, and disposition and final recovery.



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- IV. Existing Systems (available immediately) ..... 10
- V. Adaptable Technologies (available in 1-9 months) ..... 13
- VI. Long Term Development (available in 9-18 months) ..... 14

# I. Introduction

The U.S. Department of Energy (DOE) can make available a wide range of robotic and remote systems to support the Government of Japan in its response at the Fukushima Daiichi nuclear power plant, including:

***Characterization:*** Assessment of the general condition within the reactors, surrounding facilities, and structures. These assessments can be accomplished by a multitude of sensors including cameras (still, video, infrared etc.), radiation detectors, sample collection, etc. Key to gathering this data is deployment of the sensor, which is typically accomplished by a remotely operated system or vehicle. Characterization, resulting in a clear understanding of the situation, is critical and should be the first priority, as it will dictate subsequent decisions and actions.

***Recovery and Stabilization:*** Following an accurate characterization of the Daiichi facility, the next critical activity will be the establishment of a controlled environment. This will include activities that could restore existing containment and safety systems, the implementation of systems to replace or back-up the primary systems, isolation and containment of hazardous systems and areas. Again these activities are accomplished using remotely operated systems equipped with special tooling and material handling capabilities.

***Disposition and Final Recovery:*** Once the Daiichi facility has been brought into a safe and stable condition, the arduous task of containing and removing hazardous materials can commence. These activities will involve tools and technology identified by this study.

Some of those capabilities are available immediately and others must be procured, modified, or developed and can be available to the Government of Japan for longer-term recovery efforts:

***Expertise (available immediately):*** Technical experts with a wide range of expertise and experience developing and using robotic and remote systems and technologies, particularly in nuclear or radiological environments. Experts are available for immediate consultation.

***Existing Systems (available immediately):*** Commercial systems that have been deployed and proven as viable tools for operations in a remote nuclear environment. These systems and knowledge base exist and/or can be quickly procured from a commercial vendor.

***Adaptable Technologies (available in 1-9 months):*** Systems and approaches have been developed and used in applications that are similar to those being encountered at

Daiichi. Due to the nature of work in hazardous environments, these technologies may not exist in an operational condition at the present time. Some refurbishment, rebuilding, radiation hardening may be required but the systems and technologies have been proven thru past experience and field applications. It is anticipated that these systems could be brought on line within 1 to 9 months.

***Long Term Development (Available in 9-18 months):*** New approaches to operating in hazardous environments that employ technologies and approaches which may not be completely assembled and tested in non-hazardous environments. There is high engineering confidence that these systems could be brought into a field deployable condition within 9 to 18 months if required to support the Government of Japan.

## II. Availability of Robotic and Remote Systems

The following table categorizes the robotic and remote systems that are available from the Department of Energy and industry. Details of the identified systems are presented in sections III-VI.

	<i>Characterization</i>	<i>Recovery and Stabilization</i>	<i>Disposition and Final Recovery</i>
<b>Expertise</b> <i>(available immediately)</i>	1. Incident Investigation 2. Radiological Safety Analysis 3. Hot Cell Design and Operations 4. Remote Operation 5. Decontamination 6. Remote Handling Systems	4. Remote Operation 5. Decontamination 6. Remote Handling Systems	4. Remote Operation 5. Decontamination 6. Remote Handling Systems
<b>Existing Systems</b> <i>(available immediately)</i>	7. Unmanned Aerial Vehicle Systems 8. Remote Investigation and Situational Awareness  11. Radiation Hardened Cameras 12. GAMMA Ray Cameras 12. GAMMA Ray Cameras 14. Internal Duct Characterization System 15. Sensors for High Radiation Characterization	7. Unmanned Aerial Vehicle Systems 8. Remote Investigation and Situational Awareness 9. Remote Area Characterization Systems 10. Remote Heavy Equipment Operation 11. Radiation Hardened Cameras 12. GAMMA Ray Cameras 13. Fixed Hot Cell Facilities 14. Internal Duct Characterization System 15. Sensors for High Radiation Characterization	7. Unmanned Aerial Vehicle Systems 8. Remote Investigation and Situational Awareness 9. Remote Area Characterization Systems 10. Remote Heavy Equipment Operation 11. Radiation Hardened Cameras 12. GAMMA Ray Cameras

<p><b>Adaptable Technologies</b>  (available in 1-9 months)</p>	<p>16. Remote Underwater Characterization System</p>	<p>16. Remote Underwater Characterization System 17. Dual Arm Work Platform 18. TMI-2 Core Stratification Sampling 19. Remote Decontamination Vacuum 20. M2 Robot 21. Mobile-Agent Based Wireless Sensing Networks for Remote Monitoring Applications 22. Interior Surface Cleaning</p>	<p>16. Remote Underwater Characterization System 17. Dual Arm Work Platform 18. TMI-2 Core Stratification Sampling 19. Remote Decontamination Vacuum 20. M2 Robot 21. Mobile-Agent Based Wireless Sensing Networks for Remote Monitoring Applications 22. Interior Surface Cleaning</p>
<p><b>Long Term Development</b>  (available in 8-18 months)</p>	<p>24. Small Pipe Characterization</p>	<p>23. Automated Material Handling 24. Small Pipe Characterization System 25. Gemini-Scout Mine Rescue Robot 26. PaR Telerobotic Manipulator 27. Automated Track Vehicle</p>	<p>23. Automated Material Handling 24. Small Pipe Characterization System 25. Gemini-Scout Mine Rescue Robot 26. PaR Telerobotic Manipulator 27. Automated Track Vehicle</p>

### III. Expertise (available immediately)

1. **Incident Investigation:** The Idaho National Laboratory (INL) has numerous individuals that supported the characterization, inspection and disassembly and decommissioning of the Three Mile Island reactor. These individuals can provide support and lessons learned from those activities.
2. **Radiological Safety Analysis:** The Idaho National Laboratory (INL) developed and manages the Radiological Safety Analysis Computer (RSAC) Software, which calculates the dose consequences of a release of radionuclides to the atmosphere. It also includes a location-specific joint frequency meteorological analysis combined with a summary of 50% and 95% conditions, which allow for an easy check or analysis of the sensitivity of meteorological conditions on dose consequence.
3. **Hot Cell Design and Operations:** The Los Alamos National Laboratory (LANL) has experience in designing shielding/manipulator combinations to enable specialized work and in handling radioactive materials using manipulators and cranes in a hot cell facility. This includes packing and unpacking shipping casks, performing chemical operations, conducting gamma assays, and developing task-specific tools for use within hot cells (e.g. for opening closed or sealed containers). They also have contacts with commercial firms for building to design.
4. **Remote Operation:** The Department of Energy can provide a range of expertise to advise and assist the Government of Japan conduct remote operations, including:
  - Idaho National Laboratory's (INL's) Robotic and Intelligent Systems Department has decades of experience in remote nuclear material handling and inspection. The program's goal since its inception is to minimize human exposure to potentially dangerous situations, chemicals, and materials. It focuses on creating and deploying remote, robotic and automated systems to do the work instead of depending on humans to "suit up" and handle the materials remotely. They maintain a wide variety of remote tools, systems and mock-up facilities to support all types of remote operations, fabrication and development activities. These include high bay assembly and test areas, electronics laboratories, machining and fabrication facilities, large-scale mockup locations, computer simulation labs, and outdoor demonstration areas.
  - Oak Ridge National Laboratory (ORNL) has extensive experience in deploying remote systems and tooling for the decommissioning of reactors. ORNL has completed decontamination and decommissioning (D&D) of multiple reactors and provided remote technology to the Argonne D&D of the CP-5 reactor. All these decommissioning activities needed specialized tools that were mission specific that

were developed and tested for the respective mission. We were able to successfully recover the material and repackage it in a safe configuration.

- Los Alamos National Laboratory's (LANL's) Decontamination & Decommissioning (D&D) Projects group is recognized as subject matter experts with over the 25 years experience in decommissioning research reactors and other nuclear facilities and both domestically and abroad.

**5. Decontamination:** The Department of Energy developed a radionuclide decontamination technology that has been licensed to Environmental Alternatives, Inc. It has been proven effective against common fission products, on a variety of surfaces, including porous surfaces such as cement. The DOE can provide the expertise for the use and application of this technology. The DOE has extensive experience in the stabilization and decommissioning of nuclear facilities and reactors.

**6. Remote Handling Systems:** Expertise related to remote handling systems. Los Alamos National Laboratory (LANL) maintains two operable remote handling systems. These systems were design in the 1970's and 1980's to support operation of Los Alamos Material Production Facility (LAMPFs) highly radioactive muon production targets and associated beam transport lines having dose rates over 100,000 R/hr. Support for this program terminated in 1996, and as such the technology is not readily available to assist Japan, yet LANL maintains experts on staff who could be available to advise Japan if needed.

## IV. Existing Systems (available immediately)

**7. Unmanned Aerial Vehicle (UAV) Systems:** UAVs have been developed and deployed to provide aerial particulate sampling, cooperative remote radiological sampling, and persistent surveillance including real-time mosaic and geo-referencing of video imagery and collection of high-resolution still and hyperspectral imagery. Both fixed-wing and rotary airframes are used possessing capabilities spanning from remote controlled to fully autonomous operations.

### Availability:

- 20 fixed wing/10 rotor wing UAVs; multiple sensors and payloads
- 2 Tethered Dirigible
- 1 fixed wing unmanned aircraft (approx. 2ft wing span) currently fitted with only cameras
- Arcturus - Manufacturer of T-16 and T-20 UAV
- Guided Systems – Electric Helicopters
- Boeing – Scan Eagle

**8. Remote Investigation and Situational Awareness:** Technology to perform detailed analysis and investigation of remote areas. Robotic technology would allow detailed



investigation, situational awareness, reporting, and often manipulation of remote locations. Robotic feedback includes video and sound, and when packaged with the INL automation and sensor packages it can report on multiple hazards and operate with dynamic autonomy.

Availability:

- Qinetiq Talon with manipulation and navigation available immediately
- Qinetiq Talon with RASR hazard sensor and mapping with automation available in 1-2 weeks
- Remotec Wolverine (800 pound vehicle) available immediately
- I-robot packbot with manipulation or sensor packages available immediately
- I-robot warrior with sensor and autonomous driving available in 1-2 weeks
- Gemini Scout available immediately
- M2 highly-manipulative robot could be repaired and available in 2-3 weeks (used in nuclear high-rad environment in the past)
- Simple radiation shielding of vehicles available with 1-2 weeks
- Robots from Remotec more hardened within 4 months
- Simple small tethered robot for sensor deployment

**9. Remote Area Characterization Systems:** Technology and systems to characterize and provide visual and reportable feedback on radiation levels, hazardous materials, and current physical layout. The DOE has characterization systems available on multiple platforms ready for quick deployment. The robotic systems are designed with dynamic multi-levels of autonomy to assist operators in gathering and reporting information (from tele-operation to autonomous operation). It can be used for automated inspections of large outdoor areas and as well as detailed information about facilities and localized environments. Systems have been deployed to perform general radiological characterization of both indoor and outdoor arenas. Sensor readings are automatically mapped onto physical maps of the environment and can be placed on aerial imagery if desired.

Availability:

- The Rapid Area Site Reconnaissance (RASR) hazardous material robotic system with a suite of sensors including chemical and radiological sensors is available on a Qinetiq-NA Talon robot within 1 week
- A system with single radiation sensor on an i-robot Packbot or Warrior is available immediately
- Sensors deployed on an automated larger vehicle (such as Gator) would be available in about 2 weeks
- Two Remotec Andros vehicles that could be used for the remediation work. One of the Andros is the one that was used for the MSRE work. They have some discrete tools that were left over the remediation work, but its applicability needs to be analyzed based on the specific needs of the Government of Japan.

**10. Remote Heavy Equipment Operation:** Systems and technology to perform larger operations from a safe distance. Systems which allow for movement of equipment, manipulation of larger objects, and investigations of larger areas are available on automated heavy-equipment. These technologies include systems such as remote-operated or automated tracked vehicles, larger trucks, bulldozers, and backhoes.

Availability:

- Air Force tracked vehicles with tele-operation and water cannon capability available in Japan on base. Additional systems available immediately from the USA
- Automated Backhoes available immediately from Brookhaven
- Tele-operated Hummer and Toyota Highlander available from Autonomous Solutions immediately
- Five-ton truck from Autonomous Solutions available immediately
- Automated larger backhoes such as CAT D9R and D10T, the Komatsu D275 and D375 dozers within 8 weeks.
- The Brokk 330 is widely used within the DOE for remote decommissioning operations. It is able to be operated from remote locations and can be used to cut and remove debris.
- Remotely controlled dump-bed Polaris 4 wheeler

**11. Radiation Hardened Cameras:** The DOE has a wide array of Radiation Hardened Cameras at their facilities and private industry. There are Small Cameras, 53 mm diameter x 35 mm head height that can withstand a cumulative radiation dose of  $10^7$  RAD.

**12. GAMMA Ray Cameras:** A GAMMA ray camera has potential application in vertical profiling of reactor core to determine current core configuration. One camera is immediately available from the Department of Energy and others could be procured if required. They would likely need to be transported by robot inside secondary reactor containment.

**13. Fixed Hot Cell Facilities:** Hot cell facilities are designed initially to permit safe handling of spent nuclear fuels. Once an object is introduced into the hot cell, it can be cut and otherwise processed for sampling. Direct mechanical testing and gamma assay can be performed on a solid "hot" material sample.

**14. Internal Duct Characterization System:** A highly configurable inspection system developed and deployed to examine the inside of ventilation ductwork and large pipe. The system captures still and video images, radiation fields, and can retrieve samples. It can be used as a "bus" to deploy any sensor into ducting and piping. There is only one available.

**15. Sensors for High Radiation Characterization:** Numerous radiation systems developed for use in isotopic characterization in high radiation fields were deployed in the TMI radiation characterization activities. Following is a listing of sensors employed:

- Multi Detector Probe developed for use in characterization of high gamma and neutron activity waste sites at Hanford
- RERTR Spectrometer System for characterization of fuel melt experiments in a hotcell environment
- Specialized detector/collimator system being developed for use in characterization of irradiated zircaloy/fuel for GE and RERTR
- Rapid Waste Screener for transuranic wastes
- Specialized beta detector developed for Hanford for direct characterization of mobile beta emitters such as Tc-99, I-129, C-14 and Sr-90
- Rapid characterization of contamination around facilities
  - Underwater basin scanning system for fuel pools

## V. Adaptable Technologies (available in 1-9 months)

**16. Remote Underwater Characterization System:** Remotely operated submersible vehicle for characterization and inspection of water-cooled and moderated nuclear reactors and fuel storage pools. Equipment has been deployed to depths exceeding 20 feet and in relatively confined spaces. Captures video imagery and radiation level maps.

**17. Dual Arm Work Platform:** Two hydraulic manipulators mounted on a single platform. System is self-contained such that all cameras, lighting, and dismantlement tools are located on the platform. Developed and deployed for dismantlement Argonne's Chicago Pile #5 Reactor core. All dismantlement tools were off-the-shelf industrial tools with minor modifications to allow operation by the manipulators.

**18. Three Mile Island Reactor #2 (TMI-2) Core Stratification Sampling:** Remotely operated system to drill and retrieve 10 stratified core samples from the TMI-2 reactor core. Core barrels were remotely stored in an under-water canister carousel and subsequently sent to INL for further inspection. The system inspected the lower head region through drilled holes in the core support structure. To date, the Idaho National Lab (INL) is the only group to successfully extract full-length stratified core samples from a nuclear reactor. A complete cadre' of remotely operated hot cell equipment was designed and implemented at the INL Hot SHOP for handling the TMI fuel canisters.

**19. Remote Decontamination Vacuum:** The DOE has developed systems that can be used in the containment and removal of contamination. The Vec-Loader, when equipped with nuclear grade Hepa filters, is capable of vacuuming contaminated materials.

**20. M2 Robot:** M2 is the mobile manipulator robot that freed the radiation source at White Sands, New Mexico. It is a manipulator arm on a mobility platform. It is currently inoperable,

but it can be repaired for about \$50K with 2 weeks of work. The radiation exposure at White Sands was 11 rems/sec at one foot (point source). Although the robot had numerous failures, it was able to perform some highly complex tasks such as remove flat head screws. The failures were handled by working until the cameras failed (a weak link) then bring the robot out for repairs and send it back in. The replacement cost for M2 is \$700K. M2's main feature is high dexterity – it can reach into tight spaces that no other robot can reach.

**21. Mobile-Agent Based Wireless Sensing Networks for Remote Monitoring Applications:**

The Los Alamos National Laboratory (LANL) and the University of California at San Diego (UCSD) have developed a new and hybrid wireless sensing network paradigm to coordinate a fleet of several small UAVs, each carrying a small payload. The fleet would be semi-autonomous and controlled from a ground-based command and control center. The ground-based computer would gather and assimilate all data gathered into a real-time plume monitoring system. This approach can alleviate several limitations of the traditional embedded sensing networks, particularly power constraints associated with long-term field deployment of such sensor nodes. Furthermore, the mobile agent provides computation power to make near real-time assessments based on the sensor data. Prototype systems, which were used to interrogate impedance-based sensors for structural health monitoring applications have been the focus on initial proof-of-concept demonstrations. This approach to remote sensor powering and interrogation can also be adapted to wide variety of sensing modalities. The associated wireless sensor nodes are specifically designed to accept various energy sources, including wireless energy transmission, and to be wirelessly triggered on an as-needed basis by the mobile agent or other sensor nodes.

**22. Interior Surface Cleaning:** Robotic apparatus to clean interior surfaces that are highly contaminated (designed for actinides only). While not transportable, they could be replicated for Japan's use if desired.

## **VI. Long Term Development (available in 9-18 months)**

**23. Automated Material Handling:** Multiple systems have been developed and demonstrated to provide not only remote material handling capabilities but also the automation of those activities. These systems include:

- An automated technology for processing transuranic (TRU) and mixed TRU waste in preparation for shipment to the Waste Isolation Pilot Plant. Automated functions included opening waste containers, sorting of the waste stream, and repackaging the sorted contents.
- Automated system for sorting, sizing, and optimal packaging of hazardous scrap materials. Technologies implemented include 3-D visual mapping system to enable

automated cutting of piping and other infrastructure; software that uses input from weight, size, and radiation level sensors to control and optimize the packaging process.

- A remote-controlled concrete demolition system that replaces hand-held equipment like jackhammers. It consists of a revolving table, capable of continuous rotation, mounted on a tractor-like base. Extending from the table is a three-part hydraulic arm, to which a variety of end effectors can be attached. Solid rubber wheels mobilize the robot, and hydraulic outriggers extend beyond the tires to add stability during operation.
- An automated system to seal and leak test waste containers. The system used an automated welding process to seal the 21' diameter containers and an ultrasonic inspection technique to inspect the weld integrity. Following closure, an automated helium leak test was performed on the welds to verify they met DOE requirements.

**24. Small Pipe Characterization System:** A robotic system developed to characterize the internal surfaces of horizontal and vertical piping with an internal diameter of 2-3 inches without removing the system from the pipe for reconfiguration. Uses video imagery for inspection.

**25. Gemini-Scout Mine Rescue Robot:** One Gemini-Scout robot that is designed for mine rescue. It is a high mobility platform that can operate in highly unstructured environments. It could provide situational awareness through temperature, gas and radiation sensors as well as video and audio capabilities. It is not fully rad-hard, but it will last long enough to emplace a sensor or help deploy a fire hose. The radiation hardness of the vehicle could be significantly enhanced in 1 week.

**26. PaR Telerobotic Manipulator:** PaR Systems has proposed an integration effort of existing remote equipment that could be provided in a very short time frame, possibly three to four weeks. PaR has several 4350 Telerobotic manipulators in house that were purchased for the currently ongoing Bechtel Hanford Waste Treatment Facility project. Bechtel has agreed to allow PaR to use one or two of these manipulators for the effort in Japan. As a means to deploy the manipulator, PaR is proposing using a Brokk tracked vehicle with a hydraulic manipulator arm, which PaR has confirmed to be in stock. (See [www.Brokk.com](http://www.Brokk.com).) The Brokk is controlled via a radio-controlled pendant. The end of the Brokk arm would interface to the PaR 4350. The Brokk would be used to locate and roughly position the PaR manipulator, which is controlled via its own remote joystick controller. The PaR 4350 is fitted with a radiation hardened camera and lights. The end-of-arm tools, which can be changed remotely, consist of a parallel jaw gripper and a hook tool for grasping cylindrical objects. The 4350 (as well as the Brokk) has been successfully deployed in many highly radioactive environments. Virtually all of the equipment described above is in stock. The only exception is the interface plate between the Brokk and 4350 manipulator, which the PaR engineering team and supplier network are prepared to expedite.

**28. Automated Tracked Vehicle:** The University of Florida (UF) has design this system under NNSA robotics program for the Air Force Research Lab (AFRL), Panama City, FL. This is an

All-purpose Robotic Transport System (ARTS) for force protection (and other) duties and deployed the system around the world. The deployed systems operate via teleoperation where the operator controls everything via a joystick. The system, UF has in their lab (see attached photo) has been automated and can navigate autonomously as well as interact with any payloads. The ARTS is not radiation hardened today. However, the electronics are consolidated in a small area. Since the system can carry a lot of weight, it would be possible to build a lead shield around these components in a short period of time.

Teleoperation requires a constant communications link between the operator and the system in order to transmit joystick commands. Either radio communication or a fiber optic link would be necessary. Teleoperation also requires video feedback for the operator and an on-board camera is a weak link for radiation hardening. For back-up, the systems could deploy cameras that are mounted on masts and positioned a safer distance away. It could also be possible to provide adequate vision feedback using air assets or simple line of sight magnification from a safer distance.

Since the ARTS can carry a heavy payload, it could perform tasks such as positioning water hoses or clearing debris.

The constant communication link is not required when running in autonomous mode. However, cameras and lidar sensors are typically used to sense obstacles to be avoided while navigating and again these sensors may be a weak link with regard to radiation hardening. However, the tracked system is very capable and can drive over small debris. Also, any commanded path would be planned based on aerial photos of the site in order to pre-plan around large debris.

Tasks that could be performed in autonomous mode include transport of materials, clearance (bulldozer mode) of debris, and radiation mapping.

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**From:** Monninger, John  
**Sent:** Wednesday, March 23, 2011 6:18 AM  
**To:** Cook, William  
**Subject:** Fw: KMAX Helicopter Update

John Monninger

(b)(6)

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

**From:** Tong, Kurt W <TongKW@state.gov>  
**To:** zTask Force 1 Mailbox <TaskForce1Mailbox@state.gov>; Deming, Rust M <DemingRM@state.gov>  
**Cc:** TaskForce-1 - Japan <TaskForce-1@state.gov>; Zumwalt, James P <ZumwaltJP@state.gov>; Donovan, Joseph R <DonovanJR@state.gov>; Patel, Nirav S <PatelNS@state.gov>; Loi, James L <LoiJL@state.gov>; Dresser, Heather L (EAP/J) <DresserHL@state.gov>; PM-ActionTeam <PM\_AT\_TEAM@state.gov>; JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>; Casto, Chuck; Monninger, John  
**Sent:** Tue Mar 22 19:56:31 2011  
**Subject:** Re: KMAX Helicopter Update

+ Tokyo task force and NRC Tokyo

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

**From:** zTask Force 1 Mailbox  
**Sent:** Tuesday, March 22, 2011 07:45 PM  
**To:** Deming, Rust M  
**Cc:** TaskForce-1 - Japan; Zumwalt, James P; Tong, Kurt W; Donovan, Joseph R; Patel, Nirav S; Loi, James L; Dresser, Heather L (EAP/J); PM-ActionTeam  
**Subject:** KMAX Helicopter Update

Rust,

The GOJ gave final approval for deployment of KMAX helicopter to Japan. The KMAX team plans to depart from Westover AB, Mass tonight via C5 transport -- earliest departure would be 8pm. Lockheed Martin plans to take a contingent of 24 Lockheed Martin/ Kaman Corp technicians along with the helicopter to support the operation and hit the ground running. No licensing from DTC was needed.

Ngana Andrew-Mziray  
PM Rep  
TF01

This email is UNCLASSIFIED-----Original Message-----

**From:** Schofield, Mark A CIV NAVAIR, PMA 266 [mailto: [\(b\)\(6\)](mailto:(b)(6)@state.gov)]  
**Sent:** Monday, March 21, 2011 9:11 AM  
**To:** Picon, Manuel CDR NAVAIR, 4.1; Pratson, Eric N CIV 1.3.4.9, PMA266; Laray, William R CAPT NAVAIR; kevin.petrosky@lmco.com; Maloney, Kevin; Osburn, Van CIV PMA-266, Patuxent River; roger.ilgrande@lmco.co  
**Subject:** KMAX Japan Deployment

Good Morning:

Based upon our export meeting on Sunday we have concluded the following:

1. LM KMAX personnel will be working directly for the USG via a contract to provide services for the Japanese government.
2. Equipment will be transfer via government transportation (C-5).
3. Lockheed Martin (LM) will provide PMA-266 draft letter for signature. The letter provide export licensing coverage and exemption under ITAR 126.4c for LM. Once in receipt PMA-266 will provide signed letter back to LM. Roger I do not have Frank's email address can you please forward on to Frank?

V/R

Mark Schofield

Navy and Marine Corps Multi-Mission  
Tactical UAS Program Office (PMA-266)  
22707 Cedar Point Rd, Bldg 3261  
Patuxent River, MD 20670-1547  
Tel: (301) 863-0191 x336

Cell: (b)(6)

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

From: Dahlberg, Gregory [mailto:gregory.dahlberg@lmco.com]  
Sent: Tuesday, March 22, 2011 12:48 PM  
To: TaskForce-1 - Japan  
Subject: ATTN Mr.Maher: KMAX Helicopter Update

Mr. Maher: although you probably know all of this, just want to make sure you are aware that GOJ gave final approval for deployment of KMAX helicopter to Japan. The KMAX team plans to depart from Westover AB, Mass tonight via C5 transport -- earliest departure would be 8pm.

We plan to take a contingent of 24 Lockheed Martin/ Kaman Corp technicians along with the helicopter to support the operation and hit the ground running. We have had a few hiccups renewing 2 or 3 passports on expedited timeframe, but I believe arrangements are now in place to get that done in CT today. We have our most experienced people going in on this.

Mission planning has gone extremely well to date, a special camera has been procured, installed and tested, and detailed pre-planning of CONOPs has taken place all weekend, updating maps and routes for radiation hot spots, etc; so they should be able to get up and running quickly.

We will continue to follow this closely and offer any corporate support the USG may need as this mission continues.

Greg Dahlberg  
Lockheed Martin Corporation

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

From: CMS TaskForce1C - Coordinator <1TFC@state.gov>

To: JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>; (b)(6)

(b)(6)

Cc: Tong, Kurt W <TongKW@state.gov>; Zumwalt, James P <ZumwaltJP@state.gov>; Dahlberg, Gregory; zTask Force 1 Mailbox <TaskForce1Mailbox@state.gov>

Sent: Sat Mar 19 01:11:16 2011

Subject: EXTERNAL: KMAX remote control heavy lift Helicopter per NRC request

Embassy Tokyo task force:



I've been in contact with Lockheed Martin headquarters here with respect to getting the Lockheed Martin remote controlled heavy lift helicopter to Japan for use in the operation at Fukushima Daiichi. NRC rep in Tokyo told us on the March 18 2130 EDT conference call this would be extremely useful for the operation being planned for getting water on the units at Fukushima Daiichi.

Please see email chain below. Greg Dahlberger, Senior VP for Government Relations at Lockheed Martin, passed this email chain to me, which has contact information for Navy personnel who we believe have been working this issue already with PACOM and Navair.

Mr. Dahlberg told me Lockheed stands ready to assist.

Please confirm if this is being worked in Navy channels so that we do not duplicate effort. Task Force-1 stands ready to assist on our end as well, but we want this to be done as efficiently as possible so that we don't get in the way by creating a separate channel. My understanding from NRC comments on the conference call is that we need to get this vital piece of equipment to the site in Japan asap.

Thanks to all concerned, particularly Lockheed Martin.

Kevin Maher  
Task Force-1 Coordinator

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

From: Dahlberg, Gregory [mailto:gregory.dahlberg@lmco.com]  
Sent: Saturday, March 19, 2011 12:24 AM  
To: TaskForce-1  
Subject: For Meher: KMAX Helicopter

Mr. Meher: as discussed, the KMAX remote controlled, unmanned helicopter is currently being tested and evaluated by the Navy Air Systems Command (NAVAIR) in Patuxent River. MD. It is an unmanned helo used for logging operations and idea has been to develop it for resupply of contested Marine Corps forward operating bases in Afghanistan where it is too dangerous for manned operation.

There has been quite a bit of traffic over last few days about the applicability of KMAX to the Japan nuclear mission, and we were told earlier tonight that PACOM had given the green light to ship the helo to Japan. My understanding was that the Navy is planning to move out on this shipment tomorrow.

Below is an email trail from our Lockheed Martin KMAX program manager that provides the Navy contact and details of the Navy plan as we know it. Hopefully, this will help get you on the same page.

We believe Capt Dunigan at NAVAIR knows the specific capabilities of this helicopter and can be of immense value to you to plan an KMAX mission to help out in Japan. We believe it is essential that the helicopter be accompanied by the most experienced team of operators, and Cpt Dunigan is aware of who those people are. Also, there may be a need to install electro-optical "eyes" to this helicopter, and that plan has been in work for several days as a contingency in case this helicopter was needed -- so that should be a piece of this logistical plan as well that we hope is doable. Again, Cpt Dunigan is aware and up to speed.

You have Lockheed Martin's commitment that we will do whatever we can to help you with this difficult problem. Pls do not hesitate to contact me, and I will get you the right people in our corporation to help asap.

If you need to go to our front line person who knows the most about the KMAX helicopter and works directly with NAVAIR, his name is DAN SPOOR, Vice President for Program Management, 607-765-3706 (cell); 607-751-6001 (office); dan.spoor@lmco.com. Dan is aware of your interest.

Good luck.  
Greg Dahlberg  
Senior Vice President,  
Washington Operations,  
Lockheed Martin Corporation  
(b)(6) (cell)  
703-413-5601 (office).

Here is detailed email trail with appropriate contact points:

"Greg, USN contact in PMA 266 is Captain Dunigan. Captain Dunigan's email address is (b)(6)  
Contact numbers: 301-757-9020, (b)(6). I attached the email from Dunigan that includes the list of other USG  
people involved in the effort. I will drop Tim a note that he should expect a call from the State Dept.  
DAN

-----  
Sent from my BlackBerry Wireless Handheld

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

From: Ilgrande, Roger  
To: 'sorrell@sandia.gov' <sorrell@sandia.gov>  
Cc: Lowenstein, Amy; Spoor, Dan  
Sent: Fri Mar 18 21:21:43 2011  
Subject: Fw: EXTERNAL: KMAX Japan Deployment Planning Meeting

Andrew, per our discussion today, we have now been given go ahead to begin prep to deploy kmax into Japan.

There is a 230 ET call with Navy tomorrow to discuss the many items associated with personnel safety in this environment. Please plan to participate in this call. Also pls consider what questions you have that we should have answered in order to allow mgmt to give green light to discuss this with personnel who will deploy. I would like to have your questions sent to me prior to our call and preference is by 1PM ET... I recognize the time difference makes that hard.. I will call you during late morning ET to discuss this matter..Roger

-----  
Sent from remote location

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

From: Dunigan, Tim CAPT PMA-266 <(b)(6)>  
To: (b)(6)

(b)(6)

Sent: Fri Mar 18 20:28:43 2011  
Subject: EXTERNAL: KMAX Japan Deployment Planning Meeting

All,

Below is some amplifying information but the bottom line is PACOM wants to proceed with the KMAX deployment to Japan. In order to support that there will be a planning TELECON tomorrow 1430 local. I would like to get my program office to come into the office to support this call. We will use the call in number below for PACOM, PACFLT, LMCO and the program office folks who cannot make it in.

Call In: 1-866-266-3378

Conference ID: (b)(6) #

Guest Number: (b)(6) #

---

**From:** Monninger, John  
**Sent:** Wednesday, March 23, 2011 6:16 AM  
**To:** Cook, William  
**Subject:** Fw: Available Robotic Assets from SRNL for Japan AND other sources  
**Attachments:** ATT00001.gif; ATT00002.gif; ATT00006.gif; image001.jpg; image002.jpg; image003.jpg; Manuf Literature Robot Companies.pdf; Robot Suppliers - American Nuclear Society - Thomas Register.pdf; Robotic supplier contacts.xls

John Monninger

(b)(6)

---

**From:** Maund, Terrance P. (INPO) <MaundTR@inpo.org>  
**To:** Devercelly, Richard; Monninger, John  
**Cc:** RST01 Hoc  
**Sent:** Tue Mar 22 23:11:47 2011  
**Subject:** FW: Available Robotic Assets from SRNL for Japan AND other sources

Rick and John, the below message came from the Savannah river national lab, (government like you) and it looks the most promising. The other attached documents are from the ANS buyers Guide and other suppliers for your review with TEPCO.

We are also canvassing the utilities to identify pro bono robots that they can supply. We will have the pro bono information by tomorrow afternoon as well as pro bono information on radiation monitors same time tomorrow.

I also received an e-mail stating that TEPCO does not require full face respirators, they have obtained plenty from another source.

If you need anything else please call or e-mail  
Terry Maund, INPO  
770-644-8118

---

**From:** Szilagyi, Andrew [mailto:Andrew.Szilagyi@em.doe.gov]  
**Sent:** Tuesday, March 22, 2011 5:02 PM  
**To:** 'LIA01 Hoc'; INPOERCAssistance  
**Cc:** Marcinowski, Frank; Neu, Mary; Collazo, Yvette; Kirk, Paula  
**Subject:** FW: Available Robotic Assets from SRNL for Japan

FYI

---

**From:** luke.reid@srnl.doe.gov [mailto:luke.reid@srnl.doe.gov]  
**Sent:** Tuesday, March 22, 2011 4:34 PM  
**To:** Szilagyi, Andrew  
**Cc:** steven.tibrea@srnl.doe.gov; Sonnenberg, Joette (SRNL); jeff.griffin@srnl.doe.gov; paul.filpus-luyckx@srnl.doe.gov; Peter.Knollmeyer@srs.gov  
**Subject:** Available Robotic Assets from SRNL for Japan

Below is a listing (with pictures) of available robotic assets at Savannah River National Lab (SRNL) that could possibly be utilized in the Japanese response/recovery effort. All of the robotic/remote equipment listed below is available for

immediate use/deployment; however, certain functions of the unmanned helicopter are still under development as noted. The appropriate points of contact (POC) are listed under each item.

In addition to the items listed below, SRNL has extensive experience in the design and field deployment of radiation detection equipment in remote applications. This includes both gross gamma and spectroscopic detectors and the associated supporting electronics and user interface. This also includes the ability to design and deploy wireless dosimetry. These items are not currently available as they have been delivered to customers, but could be duplicated by SRNL technical staff in fairly short order.

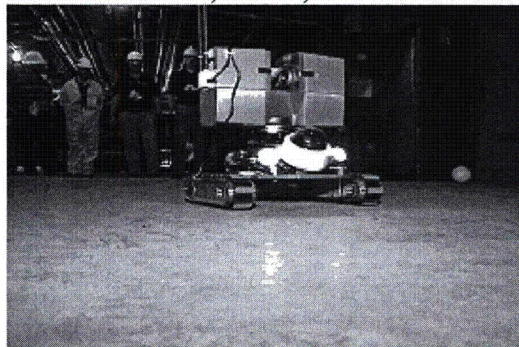
#### **OAO Tethered Track Vehicle**

- 100 feet tether
- Video Capability
- Arm with gripper capable of using small light weight tools
- POC, Luke Reid, 803-725-8434



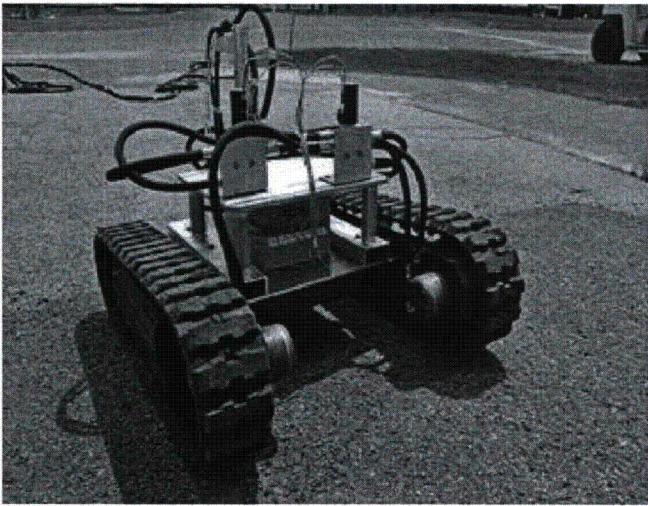
#### **Inuktun Crawler**

- Tethered 300 ft
- Modular tracks to allow adjustable platform footprint
- Capable of carrying up to 100 lbs payloads for cameras, 3D imaging devices, etc
- POC Luke Reid, SRNL, 803-725-8434



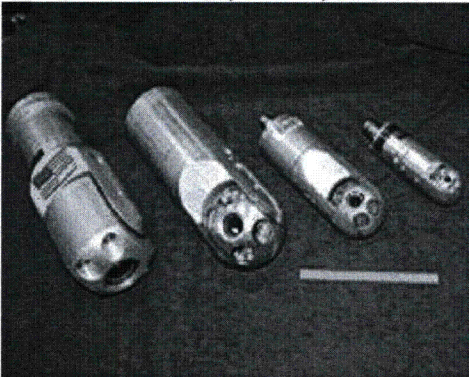
#### **Hydraulic Crawler**

- Tethered 100 feet
- 25 Hp gasoline hydraulic power capable of carrying heavy loads in excess of 500lbs or pushing debris in pathway
- Footprint is approximately 4 ft x 4 ft
- POC: Luke Reid, SRNL, 803-725-8434



**Inuktun Drop Video Cameras**

- Pan Tilt Zoom Capability
- 100 feet of cable
- Submersible
- POC: Tom Nance, SRNL, 803-725-5842



**Unmanned Helicopter (located at Va Tech)**

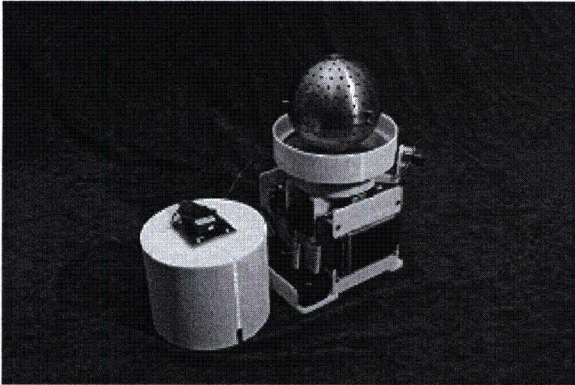
- Video/Photography capabilities
- Terrain 3D Mapping (preliminary testing complete, but still under development)
- Radiation Mapping (preliminary testing complete, but still under development)
- Japanese manufactured
- POC: Tony Hicks, SRNL, 803-725-8432





### RadBall Device

- Designed to determine gamma radiation levels on surfaces within a room prior to D&D
- Provides directional dose
- Results can be viewed as a 3D color coded image
- POC: Eduardo Farfan, SRNL, 803-725-2257



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Our Main Office mailing addresses for regular mail, Fed-Ex, UPS and materials delivery are shown below; please call prior to delivery, to arrange offloading supervision for any heavy or oversized items.

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In addition to our own in-house capabilities, we have established and continue to develop key relationships with our suppliers and teaming partners. Each of these are leaders in their own fields of expertise and by bringing their combined strengths together under a single Ameasol supplier "portfolio" we offer our customers unparalleled service.

We are continually expanding our capabilities and actively seek out and solicit new and improved technologies that can benefit our customers. We welcome contacts from potential suppliers and technology partners who have complementary capabilities and products. We have several international partners and have helped to introduce and establish their technologies in the US, to better serve our customers needs.

Ameasol staff has extensive experience working with customers across the US and with customers, suppliers and teaming partners at many international sites in Europe and the Far East.

We very much look forward to the opportunity to work with you.

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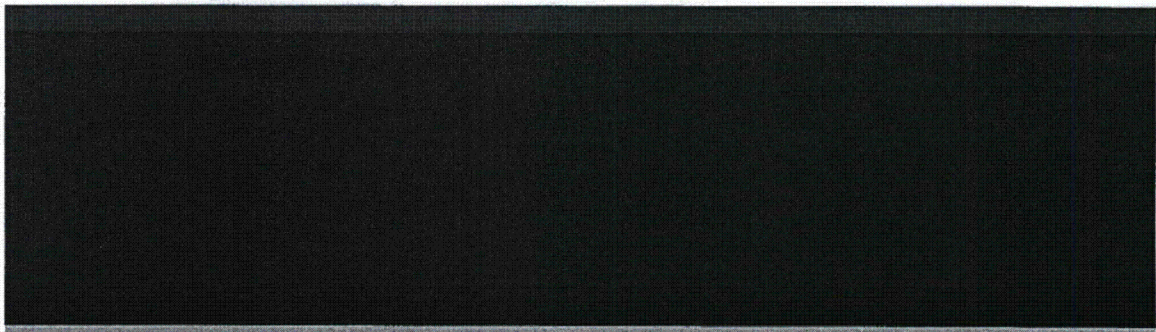
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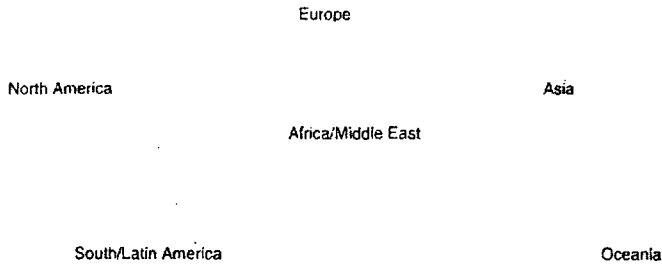
Brokk remotely operated machines and attachments in operation at US nuclear facility. ▶

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Visiting and deliveries: Risbergsgatan 67, Skellefteå

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Brokk works with many different markets and segments and are always looking for new business opportunities.

For further information please send us your contact details to [info@brokk.com](mailto:info@brokk.com) and we will contact you.



INTERNATIONAL CLIMBING MACHINES

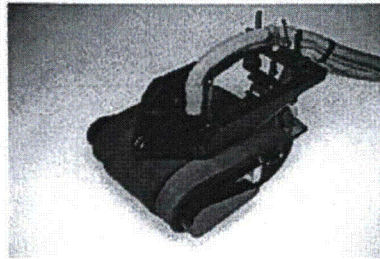
THE CLIMBER    SPECIFICATIONS    **CAPABILITIES**    VIDEOS

[About Us](#) | [Media](#) | [Stockholders](#) | [Contact](#)

**ICM Capabilities**

**Mechanical Abraders**

- ROTOPEEN: Ideal for coating removal
- STARCUTTER: Ideal for contamination removal on concrete
- WIRE BRUSH: Ideal for removal of blistered or flaking coatings
- NYLON BRUSH: Ideal for surface cleaning



Click photo for enlarged view

For lead paint removal, coating removal, surface preparation, radiological, chemical, biological cleanup, the use of Mechanical Abraders is critical because no "secondary waste" is generated.

**Non-Aggressive Surface Cleaning**

- Proprietary nylon brush cleaning with water injection

**NDT (Non-Destructive Testing)**

- Coating thickness (dry film thickness gauge)
- Wall thickness measuring / corrosion inspections
- Radiological testing and surveys
- Crack and surface flaw detection
- Ultrasonic testing

**Remote Camera Inspection**

- Visual inspections
- Pan, tilt, zoom

**Pressure-Fed Paint Roller**

- Remote-controlled application of most paints and mastics
- No over-spray

**Paint & Mastic Spray Head**

- Standard paints & coatings
- Plural-component epoxy

**Capabilities in Development:**

**On-Board Laser**

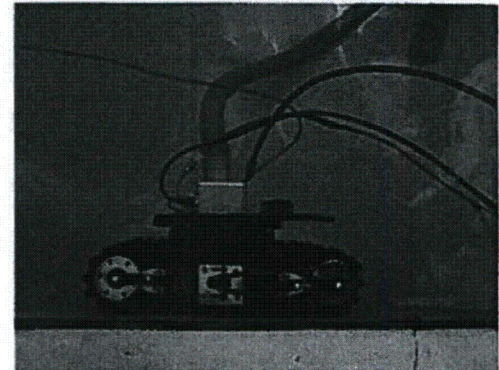
- For coating removal, decontamination, surface preparation and surface cleaning. No secondary waste. Efficient. Fast.

**Crack Injection**

- Pumping epoxies, urethanes, other polymers or cementitious materials to the machines give them the capability of performing remote-controlled crack and damage repair.



**ICM Climber in action!**  
Check out our DEMO VIDEO



***"ICM underwater climbers can be used to decon vertical surfaces in reactor cavities, spent fuel pools, etc."***

***-ROV Technologies***





Click photo for enlarged view

**Sand Blasting**

- Virtually any sand/grit media can be delivered from ICM machines and captured at the source, thus eliminating tenting/containment structure.

**Water Blasting**

- Ultra pressure, high pressure, or low pressure water delivery systems can be attached to ICM climbing machines and the water completely contained and capture.

**Your Technology**

- ICM is receptive to discussing technology partnering, joint ventures and licensing opportunities with you

**ICM APPLICATIONS**

**1. ICM for Wind Turbine Blade & Tower Inspection & Repair**

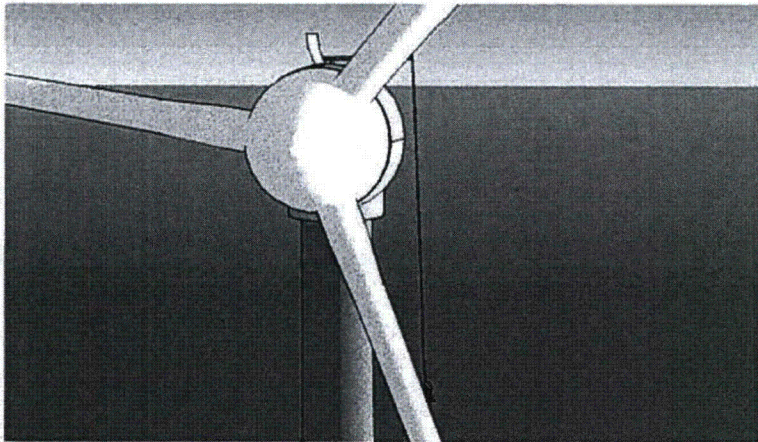


Figure 1. ICM Climber with ultrasonic scanner deployed from hub (Nacelle) of large wind turbine.

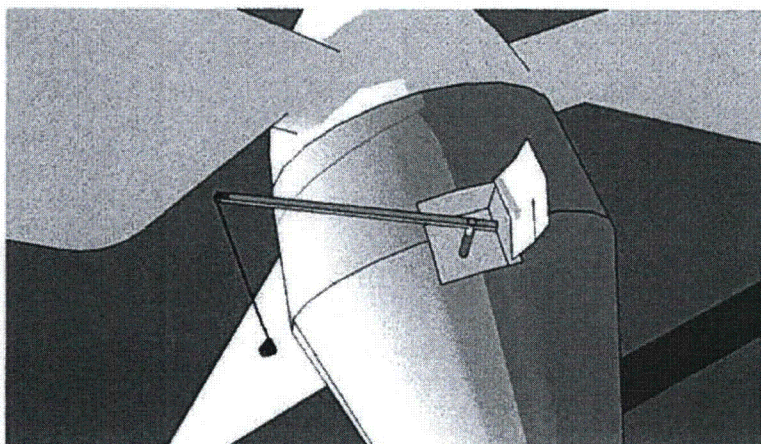


Figure 2. Top view of ICM Climber performing scanning inspections of bond line between the surface of the blade and the support beam inside the blade.

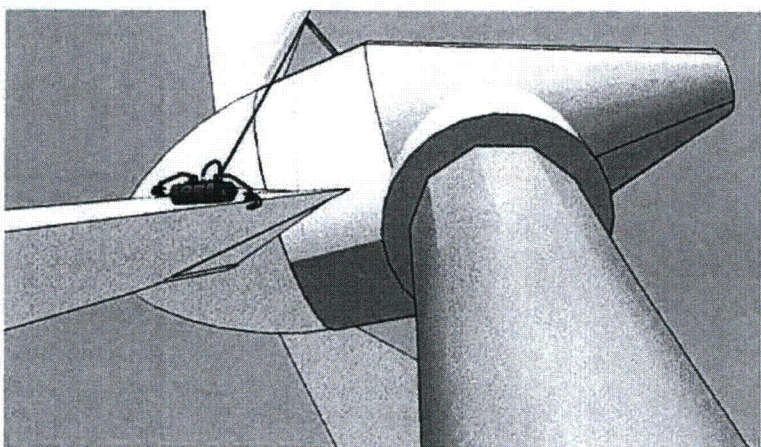


Figure 3. ICM Climber performing ultrasonic inspection of trailing edge of wind turbine blade. Note thickness of blade.

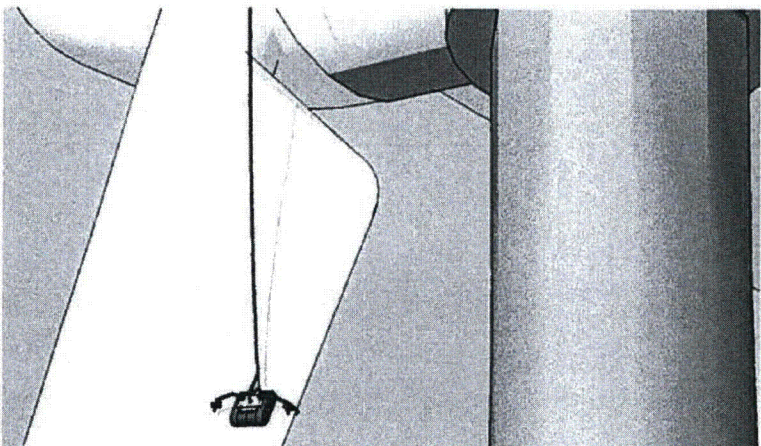


Figure 4. Top view of ICM Climber on wind turbine blade testing for integrity of trailing edge of blade.



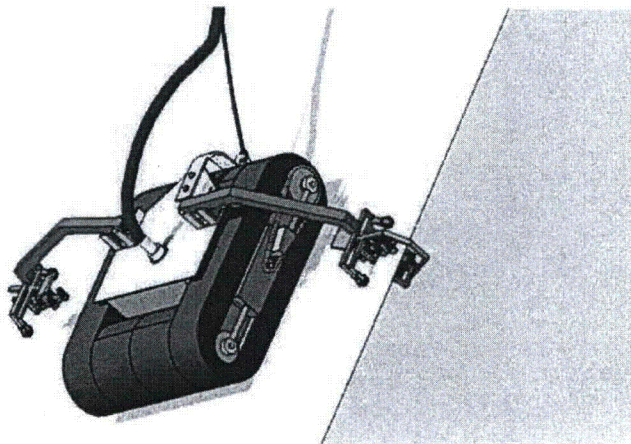


Figure 5. Close-up of ICM Climber performing ultrasonic inspection of trailing edge of wind turbine blade.

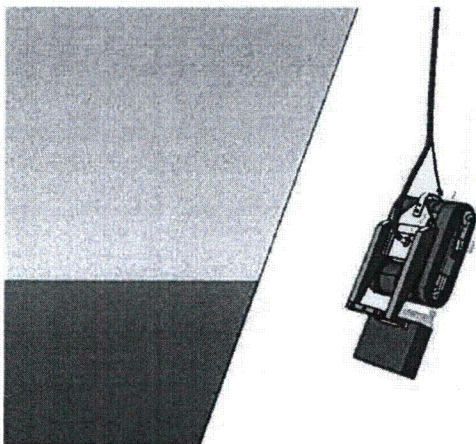


Figure 6. Close-up of ICM Climber with ultrasonic scanner testing for the integrity of the bond line between the surface and the support beam inside the wind turbine blade.

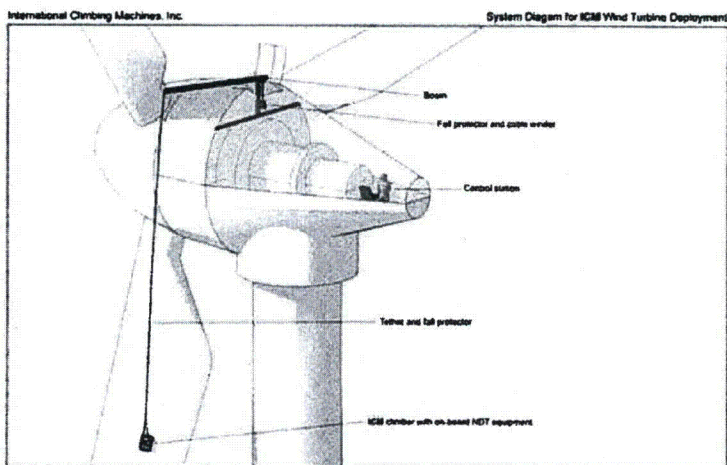


Figure 7. System Diagram for ICM Wind Turbine Deployment  
(click image for enlarged view)

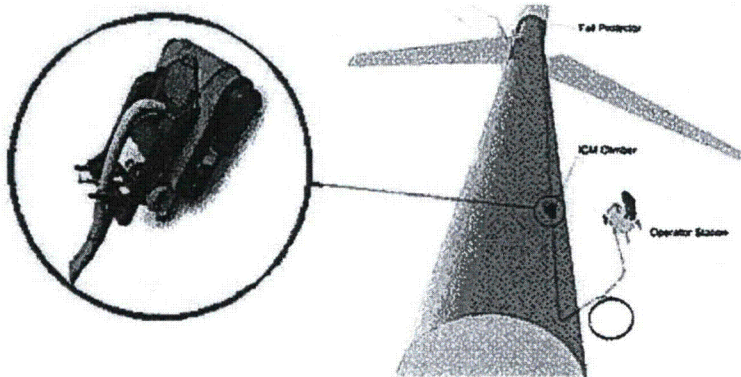


Figure 8. System Diagram for ICM Wind Turbine Tower Deployment  
(click image for enlarged view)

[Click Here to read Green Living Ideas article on ICM Climbers for Wind Turbine Inspection, Cleaning and Maintenance](#)

## 2. ICM for Hot Cell Remote Spray Applications

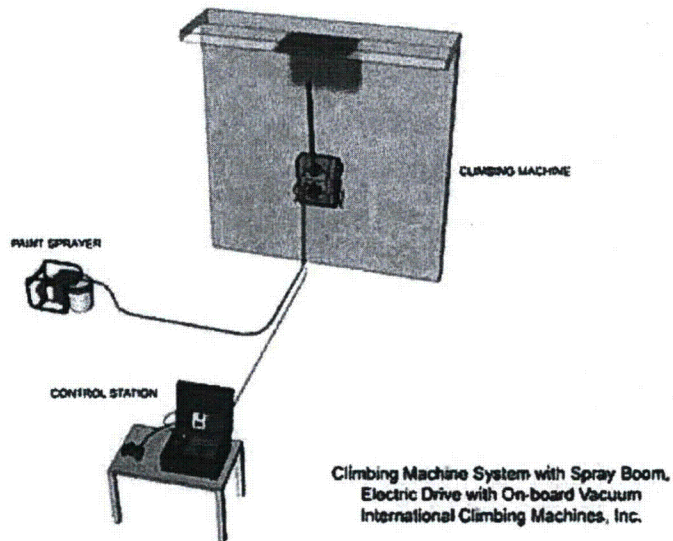


Figure 1. System Diagram of ICM Climbing Machine System with Spray Boom for Hot Cell Applications  
(click image for enlarged view)



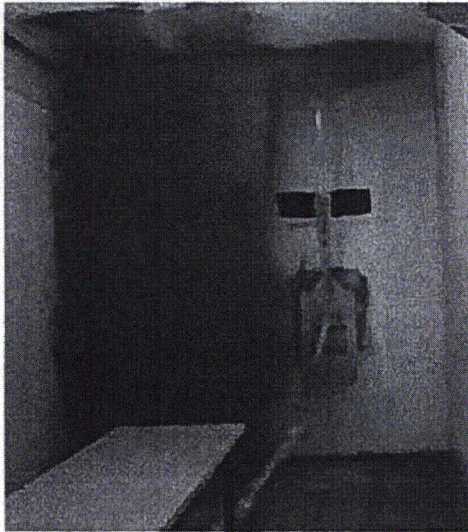


Figure 2. ICM Climber Inside Hot Cell Spraying Mastic Coating

#### REMOTE CONTROLLED CAPABILITIES

- Enter Hot Cell or Highly Radioactive Area
- Transition from Floor to Wall
- Climb Walls
- Apply Mastics or Coatings to Ceilings and Walls
- Transition Back Down from Wall to Floor
- Apply Mastics and Coatings on Floor
- Exit Hot Cell or Highly Radioactive Area

#### BENEFITS

- Dramatically Reduce Exposure to Workers
- Perform Coating Installation Quickly
- Save Time and Money

[Click Here to read Department of Energy Fact Sheet on ICM Remote Controlled Spray Technology](#)

### 3. ICM for Nuclear Containment Deployments

CONTAINMENT DOME UT INSPECTION/VERIFICATION OR COATING REPAIR

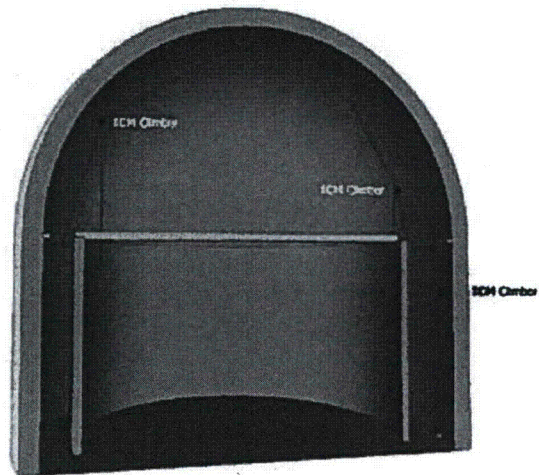


Figure 1. Cross-sectional View of Containment Structure  
(click image for enlarged view)

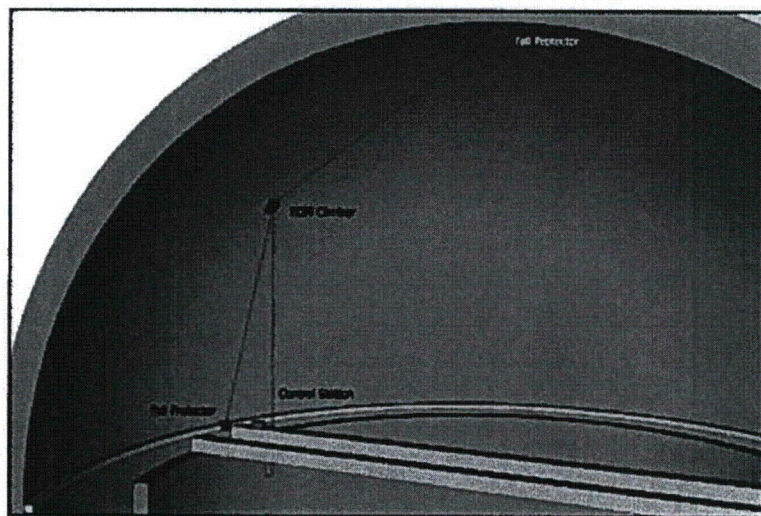


Figure 2. ICM Climber Deployed in Dome Section of Containment Structure  
(click image for enlarged view)

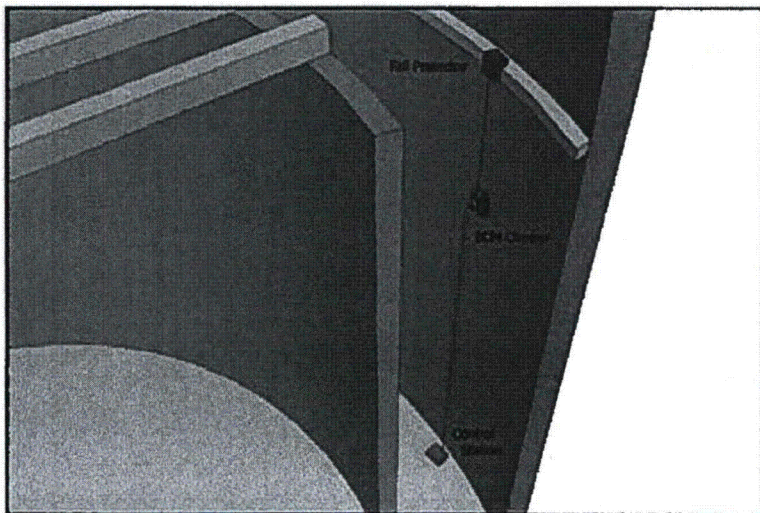


Figure 3. ICM Climber Deployed on Liner Wall Section of Containment Structure

(click image for enlarged view)

**ADVANTAGES OF ICM CLIMBING MACHINES FOR INSPECTION AND REPAIR OF COATINGS ON NUCLEAR CONTAINMENT DOME**

- Proven remote delivery of VT-1 level of visual inspection
- ICM climbers can transition from vertical to inverted dome and they can transition the angles between metal panels on dome
- ICM machines can overcome surface obstacles
- Climbers do not scratch / damage the surface (foam tracks & rollers)
- Climbers can remove the coating for spot repairs or for entire coating removal, AND prepare the surface for recoating if desired
- Climbers clean and capture all the coating debris (point of generation capture) and bring debris down a hose to HEPA filtered collection unit
- ICM machines can install coating via spray or by pressure fed roller to perform spot repairs
- ICM machines can perform remote NDT testing to verify coating installation
- ICM machines have remote lowering safety cable system to lower them down from inaccessible areas
- Multiple ICM climbing machines can be deployed to speed the process and perform assortment of tasks simultaneously

**ICM QUALIFICATIONS**

**Coatings Abatement**

Successfully abate existing coatings to a surface preparation condition meeting SSPC-SP-11 requirements.

**VT-1 Inspection**

Live video camera visual capabilities meet EPRI VT-1 inspection criteria and transport of visual to laptop.

**Dry Film Thickness (DFT) Readings**

Live, remote DFT readings, on demand, via a mounted DFT gauge and electronically transport data to laptop for visual confirmation.

**Capture Airborne Waste**

Successfully capture airborne waste of materials generated through the abatement process, meeting EPA standards for lead and asbestos abatement.

**Traverse Surfaces and Overcome Obstacles**

Successfully traverse vertical, horizontal and overhead surfaces and overcome surface obstacles such as bolts, plates, and conduit.

...

---

International Climbing Machines; 630 elmira road, Ithaca, NY 14850, USA. [info@icm.cc](mailto:info@icm.cc) tel. 607 288 4001  
Copyright © 2007 International Climbing Machines, All Rights Reserved.



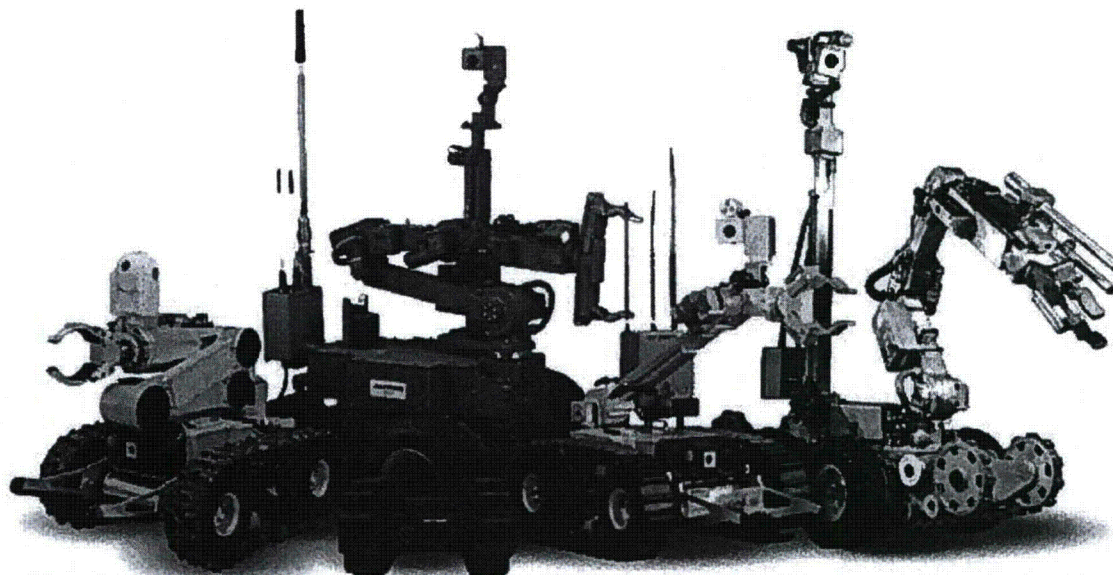
## ***NORTHROP GRUMMAN***

### **In the News**

- Northrop Grumman Remotec Awarded Air Force Contract for HD-1 Fleet Counter-IED Upgrades
- Remotec Provides Inspiration for Disney's Wall-E
- Northrop Grumman Remotec Robots Tested and Approved by National Tactical Officers Association Member Tested Program
  
- Solutions

## **Robotic Platforms and Sub-systems**

**About Remotec | Applications | Contacts | Customer Support | Products**



**ANDROS**

The most versatile and full-featured Unmanned Ground Vehicle line-up available for EOD, Hazmat, Tactical, CBRNE, Tactical and Military use.

### **Remotec - Keeping Danger at a Distance**

Military, EOD, first responders and law enforcement agencies worldwide rely on Remotec to help assure a safe, successful outcome for their most challenging missions. Remotec is the global leader in mobile robot systems for hazardous-duty operations.

## ANDROS Robots

- The preferred choice for hazardous duty operations worldwide
- Proven the world over, to help you confront any incident rapidly, decisively and with utmost confidence
- Proven the most rugged, reliable performance in the field
- Superior versatility, supporting multiple weapons, detectors and/or sensors
- Unparalleled rugged durability, ready to handle any situation at a moment's notice
- Manufactured in the USA, backed by world-class training and post-sale support

### About Remotec

Remotec was founded in 1980 to provide remote handling consultation to the nuclear industry, in Oak Ridge, Tennessee. Through experience gained by supporting the nuclear industry, Remotec identified the opportunity to expand and apply our core competencies to meet robotic requirements outside of the nuclear field. This led to the purchase of ANDROS technology in 1986.

### Contacts

Remotec contact information.

### Products

The Remotec ANDROS fleet of hazardous duty unmanned vehicles is the preferred choice of first responders worldwide.

### Applications

Remotec capabilities utilized for military, law enforcement, and first responder applications.

### Customer Support

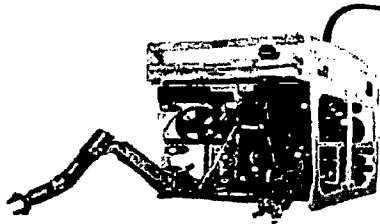
Customer Support hours of operation and contact information.

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# OCEAN ROBOTICS FOR USE IN HOSTILE ENVIRONMENTS

# ROPER RESOURCES LTD.



984 St. Patrick Street, Victoria BC Canada V8S 4X6  
tel: (250)361-9115 canada or (805)798-0277 USA  
Chris@RoperResources.com  
www.RoperResources.com

## Welcome to Roper Resources

From the deep ocean environment to hazardous waste sites, Roper Resources Ltd. has the product to assist you in your tasks.  
Contact Chris Roper today to find out more about our products.

Green Products for Marine & Industrial Applications - Elysator, and Clean Oil Technology are two new products with environmentally friendly results.

- Nuclear & Hazardous Environments - Aquarad: World's first Solid State Radiation Tolerant Underwater Color Camera.
- Home Land Security - Low Cost Underwater Surveillance for Ports, Harbors, and Inland Waters.
- Equipment for In-Shore and Off-Shore - Electric ROV System. Depth Rated for 300 M to 6,000 M.
- Harbor and Seafloor Survey Equipment - Underwater surveying equipment and tools

Roper Resources Ltd. is pleased to represent the following world class Deep Ocean Robotic and Sensor Manufacturers. Thanks to their innovative technologies we learn daily more about our home, planet Ocean.

- Hafmynd ehf.- Modular two man portable AUV system, Gavia. [www.gavia.is](http://www.gavia.is)
- Contros Systems & Solutions GmbH - Underwater gas detection sensors for CO2, CH4 & PAH. [www.contros](http://www.contros)
- Imagenex Technology Corporation - Sonars, Side scan through multibeam incl 881L family
- Inuktun Services Ltd.- Small compact pipe crawlers & camera systems. [www.inuktun.com](http://www.inuktun.com)
- KCF Technologies Inc. - Smart tether for tow fish tracking. [www.kcftech.com](http://www.kcftech.com)
- LYNN AB - Visual enhancement technology helping you see clearer underwater. [www.lynn.com](http://www.lynn.com)
- Ocean Server Technology Inc. - Small low cost AUV system, Iver2 [www.ocean-server.com](http://www.ocean-server.com)
- SAAB Seaye Ltd. - Electric ROV systems from the Falcon to the Jaguar work class ROV.
- SAAB Underwater Systems - Hybrid ROV/AUV SAROV, SubROV & AUV62 [www.saabgroup.com](http://www.saabgroup.com)
- Subconn Inc. - Underwater plug-able connectors from power to Ethernet [www.subconn.com](http://www.subconn.com)
- SubOceanic Sciences Canada Ltd. [www.suboceanic.net](http://www.suboceanic.net)
- Symphotic Tii Corporation - Underwater scientific instruments & product support. [www.symphotic.com](http://www.symphotic.com)

Click here for an extensive listing of underwater robotics, AUV, ROV, Sonar & Cameras for hostile environments(136 meg files)

Click here for a document with info on the development of the SAAB Seaye Sarov Hybrid AUV/ROV

CLICK HERE TO GO TO FLASH SITE

EXHIBITS:

Roper Resources Ltd. will be Exhibiting the latest Underwater Robotic Technologies at the following 2011 meetings:

### Sub Sea Tie Back 2011

San Antonio TX,  
Feb. 22 - 24, 2011  
Booth #148



# Technology & Innovation

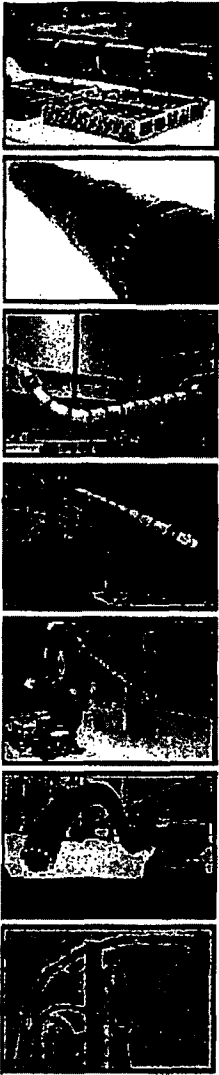
## Robots for Confined Spaces

OC Robotics develops snake-arm robots for confined and hazardous spaces.

Snake-arm robots do not need support from the environment. This means that they can navigate through an open space, avoiding obstacles, carrying tools and conducting work.







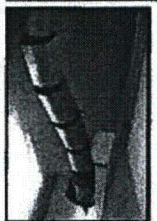
In addition to their robot-arms being commercially successful, OC Robotics has won several awards including the Queen's Award for Enterprise in the Innovation category in 2009.

### **Nose-Following Video**



## Intuitive operation

OC Robotics has designed robots for 24-7 operation working from pre-programmed motion sequences for repetitive tasks. Alternatively, many tasks require so called 'man-in-the-loop' real time control to navigate within unknown or variable spaces. For both types of application, our nose-following software allows the operator to fly-the-tip, in path-following or standard Cartesian modes with the computer taking care of the rest. **RetractOne™** is provided as standard and allows the operator to back up safely with one thumb speed control. **StopOnContact** is coming as part of the **SnakeSkin** option pack, and more advanced capabilities, including automated search, will be possible in future.

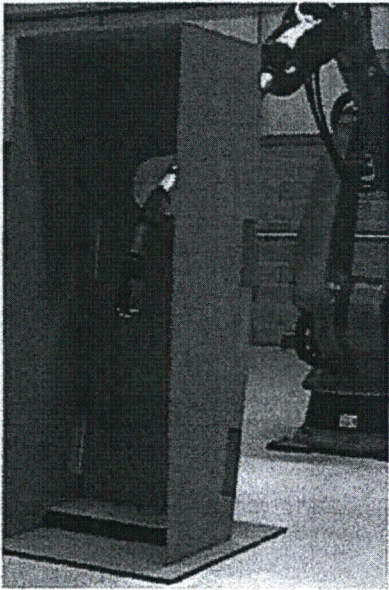






## Nose following principle

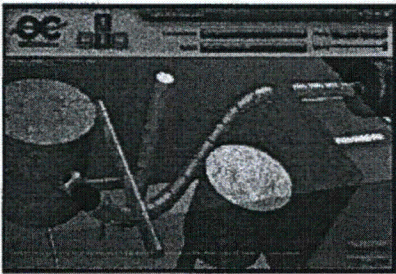
The best way to reach inside a confined space is to snake inside, with the body of the device following where the tip has gone. This is achieved by coordinated motion of the whole arm. Only when the tip reaches an open space, can it be moved in all directions.



About software

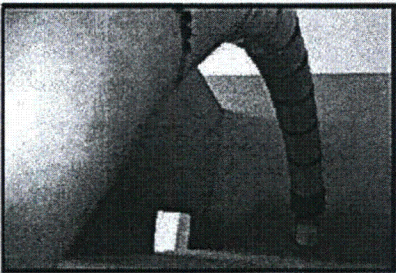
## **Snake-Arm Simulator**

Free simulation software based on our advanced Snake-arm software suite



More info

## **Solutions**



Aerospace

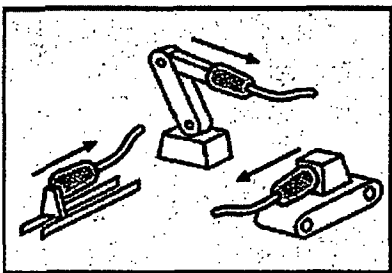
OC Robotics is working with aerospace partners, focused on aircraft assembly, to develop a comprehensive toolkit for low access assembly tasks

[Read more](#)

## **Technology**

### **Introduction**

Select introduction method. Rail&Rotate™, 3rd party robot, or a mobile vehicle

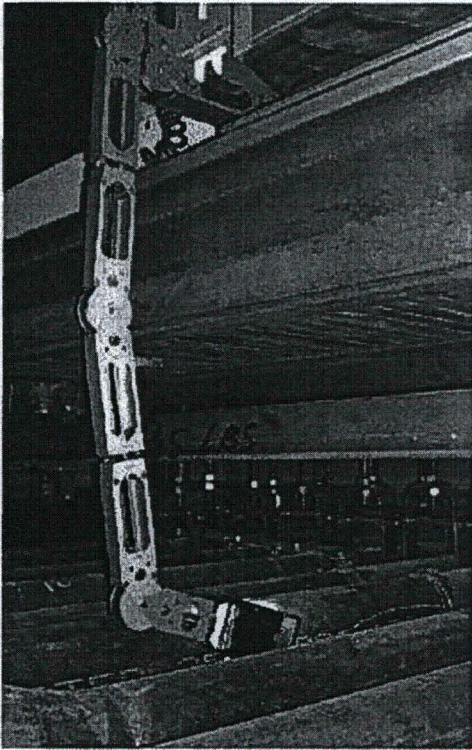


[More information](#)

## **Latest News**

**A CANDU snake-arm robot**  
**August 3 2010**





First deployment of new snake-arm robot at Pickering Nuclear Station, Ontario Power Generation, Canada.

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  - [Robots for Confined Spaces](#)
  - [The Complete Solution](#)
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**Remotely Operated Radiation Tolerant  
Underwater Camera and Inspection Systems  
for the Nuclear Power Industry**



## **Our Mission:**

---

As we journey through the 21st century, the objective of the nuclear industry continues to be intuitively clear. Government Regulatory Groups, as well as utility management, are insisting on reducing the amount of radiological dose received by nuclear workers. To that end, R.O.V. Technologies, Inc. is committed to providing state of the art robotic equipment and highly skilled professional operations and management personnel to the nuclear industry. As President and CEO of R.O.V. Technologies, Inc., I pledge corporate support for continued research and development in our present product line as well as innovative new products and continued advanced training for our professional staff.

## **About Us:**

---

R.O.V. Technologies, Inc. is a Vermont-based, privately held and veteran-owned corporation and is a recognized leader in the nuclear power industry for innovation in design, manufacture and operation of remote operated vehicle inspection systems.

Major utilities have relied on R.O.V. Technologies, Inc. for custom engineered solutions for specific tasks, NRC IN's, I & E Bulletin items, and programmatic outage support since 1989. We offer a full line of radiation tolerant wet/dry inspection, process control, and FME retrieval systems, both LSA rental and new, designed specifically for the nuclear power industry.

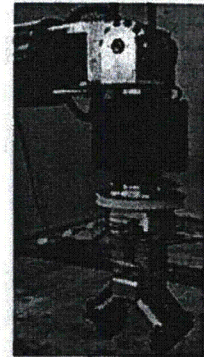
Our staff of nuclear professionals is available 24/7 - our on-site NRC licensed RCA facility and LSA material shipping license allow us to mobilize for emergent situations within hours of the initial call.



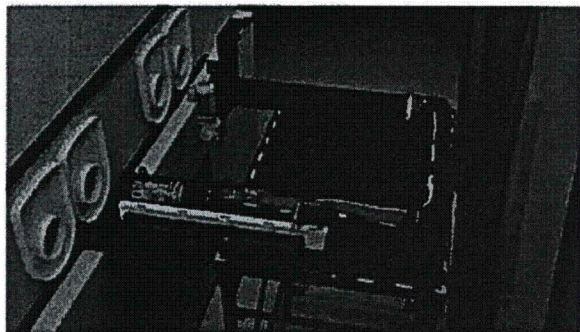
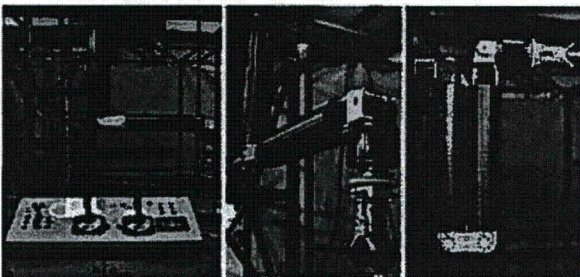
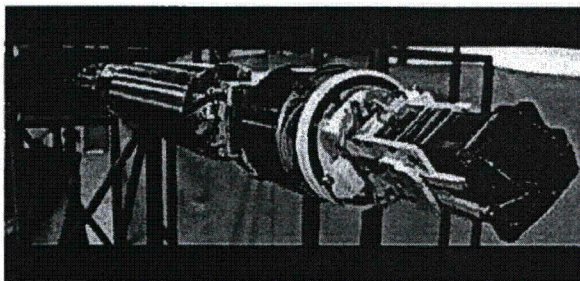
# Power Remote Manipulator (PRM)

# SATechnology

S.A. Technology strives to be a leading manufacturer of remote technologies by providing fast-track solutions to problems of all types. The newly designed and manufactured PRM is leading the way as a competitive and reliable solution. The S.A. Technology developed PRM provides a modular and adaptable manipulator for the nuclear and hazardous waste industry. The PRM further proves that S.A. Technology is an industry leader in the development and construction of custom manipulators to solve the most difficult decommissioning problems. The PRM was designed to fit various jobs and to adequately address our customers' project needs. The PRM's ability to be scaled while maintaining mobility and strength makes it a highly versatile tool. Its carbon fiber construction cuts down on weight and material costs while maintaining the strength needed for lifting larger objects. Additionally, the seven-degrees-of-freedom range of motion allows it to be an exceptionally maneuverable piece of equipment for packing and lifting waste.



Client/Location	Dounreay Site Restoration Ltd (DSRL)
Period of Performance	Designed, Manufactured, Tested, and Delivered in six months



- The S.A. Technology PRM is a modular/scalable solution to the various project needs within the nuclear industry. The PRM offers a wide range of applications for decontamination and decommissioning in the most hazardous environments in the world.
- The PRM offers a huge leap forward in power, strength, functionality, ergonomics, and reliability at competitive pricing.
- 7<sup>o</sup> degree-of-freedom system: 360<sup>o</sup> shoulder joint, 180<sup>o</sup> shoulder chain joint, 180<sup>o</sup> elbow chain joint, 180<sup>o</sup> elbow chain joint, 180<sup>o</sup> wrist yaw, 180<sup>o</sup> wrist pitch, and 360<sup>o</sup> tool roll.
- Quick change tool methods are utilized to allow for many different attachments including but not limited to:
  - Grippers
  - Shears
  - Hydrolasing Heads
  - Water - Jet Cutting
  - Dry Media Blasting
  - Saws
  - Pneumatic Torque Wrench
- 13' Full Reach with gripper that opens over 6"
- Fabricated with carbon fiber - radiation tolerant material
- High handling capacity, 112 lb to 168 lb dependent on orientation
- Combination of hydraulic and electric drives



Complies with ASME, 10CFR50  
Appendix B/NQA-1 Quality Requirements

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

S.A. Technology  
3985 S. Lincoln Ave, Ste. 100  
Loveland, CO 80537  
Phone: 970.663.1431  
Email: [Info@satechnology.com](mailto:Info@satechnology.com)



[Technology Services](#)

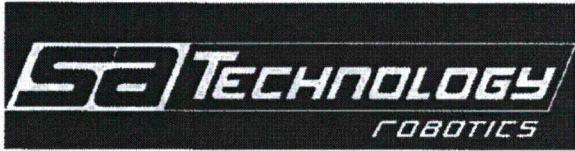
[Project Gallery](#)

[S.A.Technology Info](#)

[Facility Info](#)

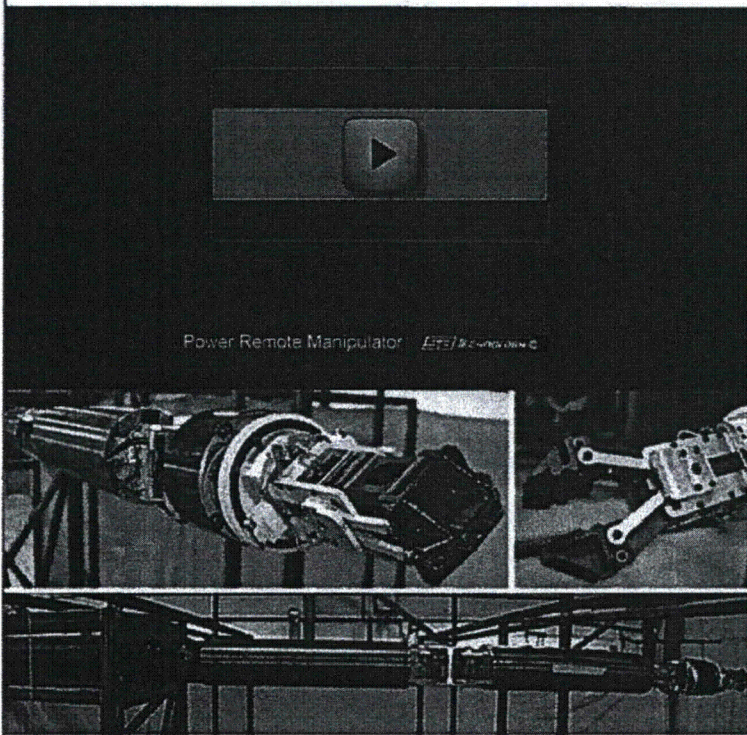
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Select Robotic Category Tab to View Technology Services

Advanced Industrial Robotics



Power Remote Manipulator

**Advanced Industrial**

[Military Robotic](#)

[Hydro Technology Manipulators](#)

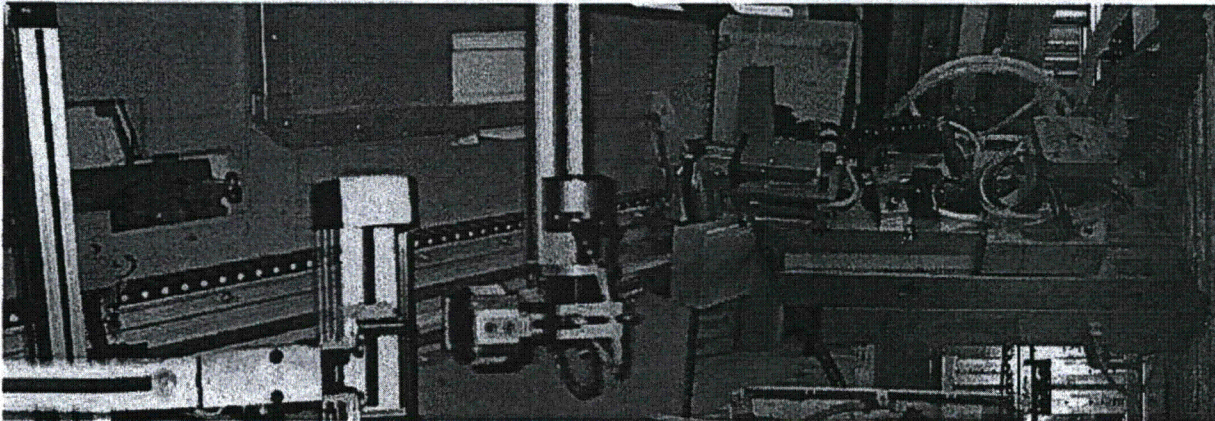
[Long Reach Manipulators](#)

[Special Application Robotics](#)

[Tooling and End Effectors](#)

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S.A.Technology © [Privacy Policy](#)

**ST robotics****Nuclear robotics**

Not to be confused with telerobotics in which the mechanical arm is remotely controlled by an operator using CCTV, ST robots are programmable and autonomous. They are especially suitable for routine operations such as testing, swabbing and routine handling of samples. Typical applications include routine measurements, handling radiochemicals and nuclear decommissioning.

Systems are always designed and built using the customer's standards, drawing standards and documentation requirements e.g. quality plan. A mock-up of the application area is made and the system is tested in the mockup using a formal works test procedure. Installation is done by our own technicians meeting all customer's safety requirements and using installation method statement or customer's designated documentation format.

Emerald Article: [Robotics in the nuclear industry](#)

This page is organised as a series of pictures of actual applications with descriptions alongside (pictures speak louder than words!)

*[more](#)*

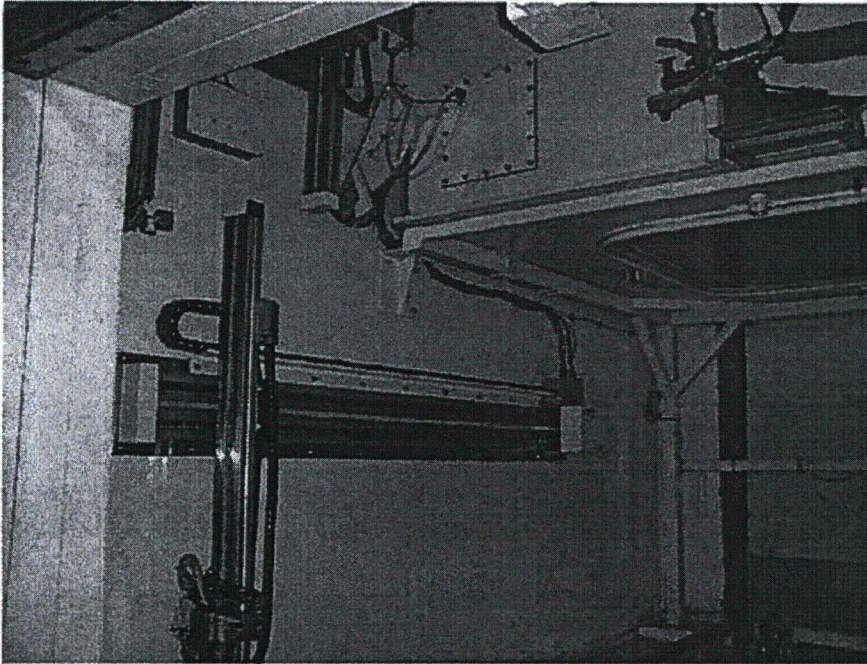
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## Picture Gallery

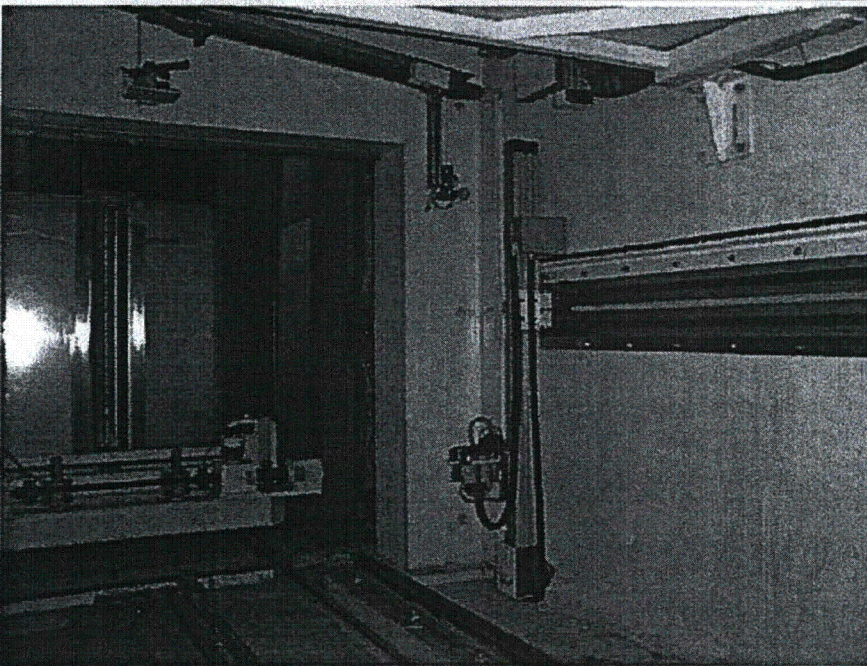
A twin-robot system for swabbing steel boxes for waste products.

The R15 robot against the wall does the





swabbing with 4 axes. The major axes are X and Z. The Y axis is telescopic which improves the ratio between fully retracted and fully extended. It is combined with a yaw axis (called M-type).

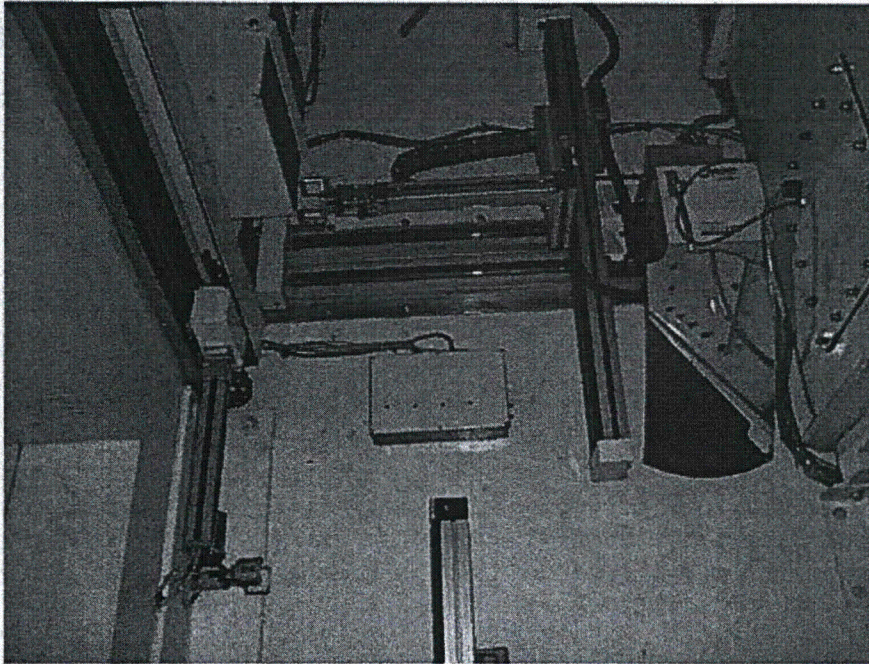


Another view of the same robot showing the waste container outside the door.

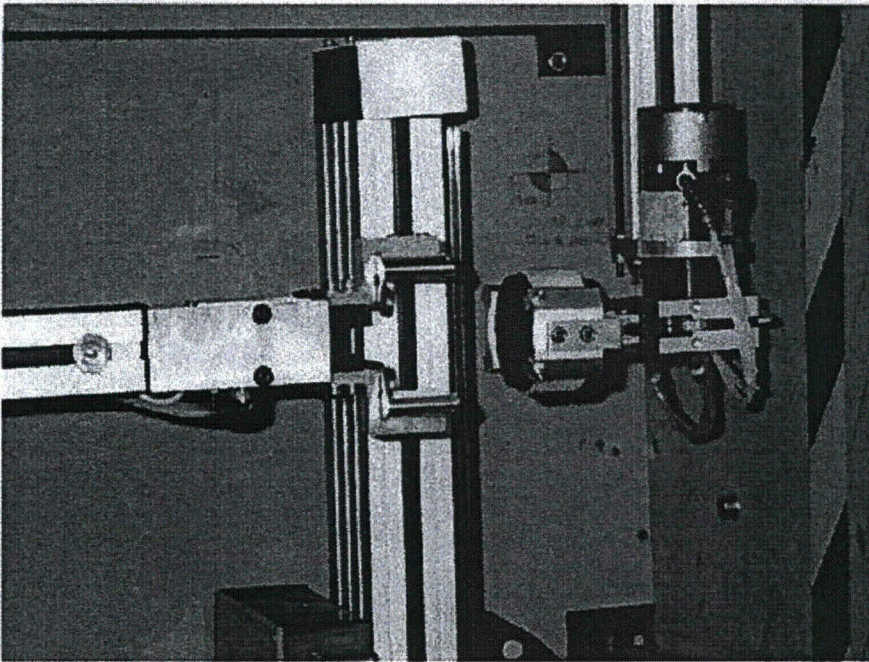
Over the door can be seen a single axis used for carrying swabs up to a manual operator (working with tongs).

On the same wall but higher is the second robot which takes swabs from a glovebox and passes it to the swabbing robot. Access is via a lead shield door which can be seen to the left of the 'posting' robot. The door is under the control of the robot controller as is another door on the outside. The swab is placed on a shuttle by the operator and





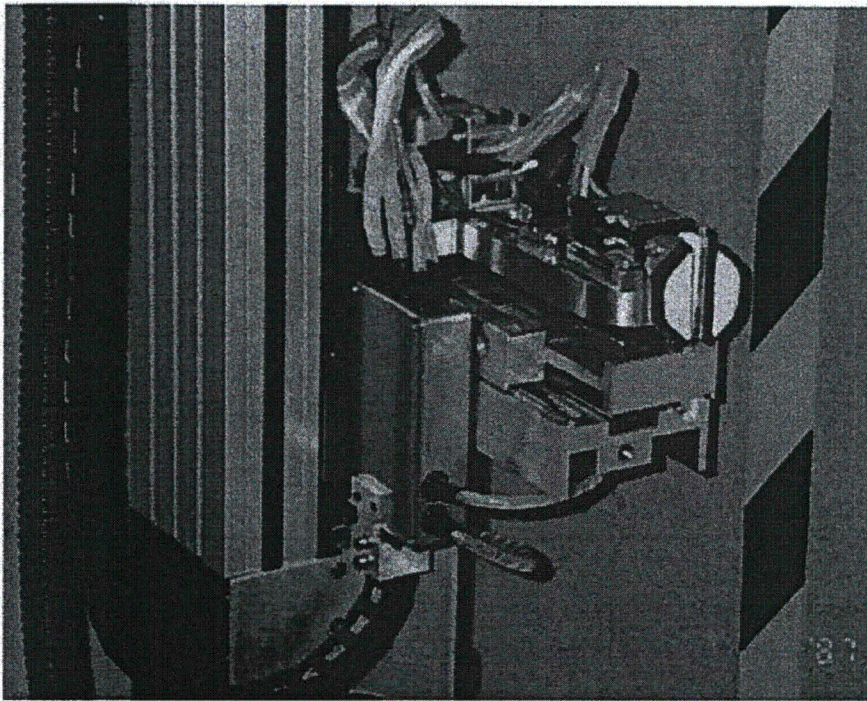
pushed into a tube. The outer door closes, the inner door opens allowing access by the posting robot. ST designed the glovebox, doors, drives and shuttle.



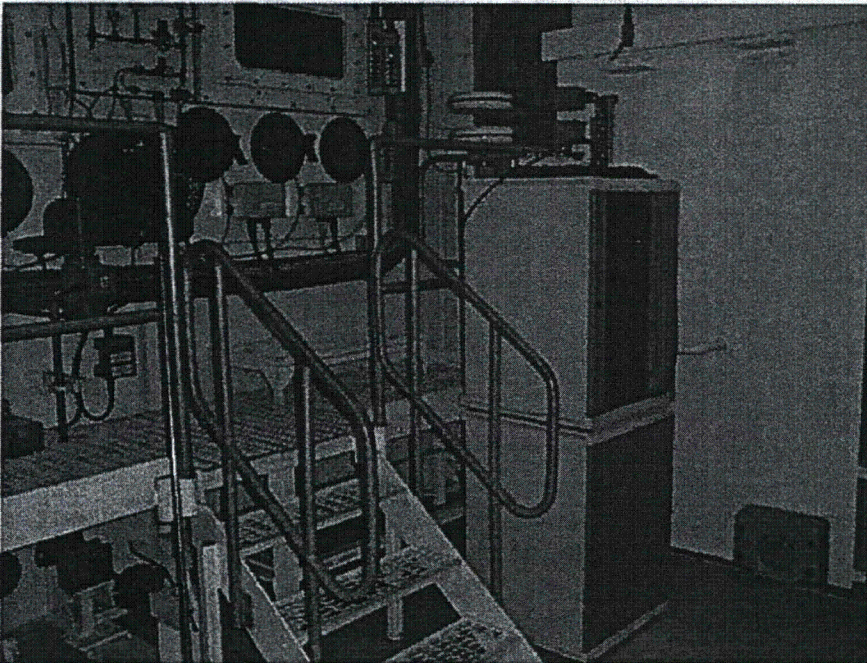
Close-up of the exchange of swab from a posting robot to a swabbing robot

Close-up of the 'M-axis', telescopic linear axis developed specially for nuclear use, as it will fit in confined spaces. It has integral





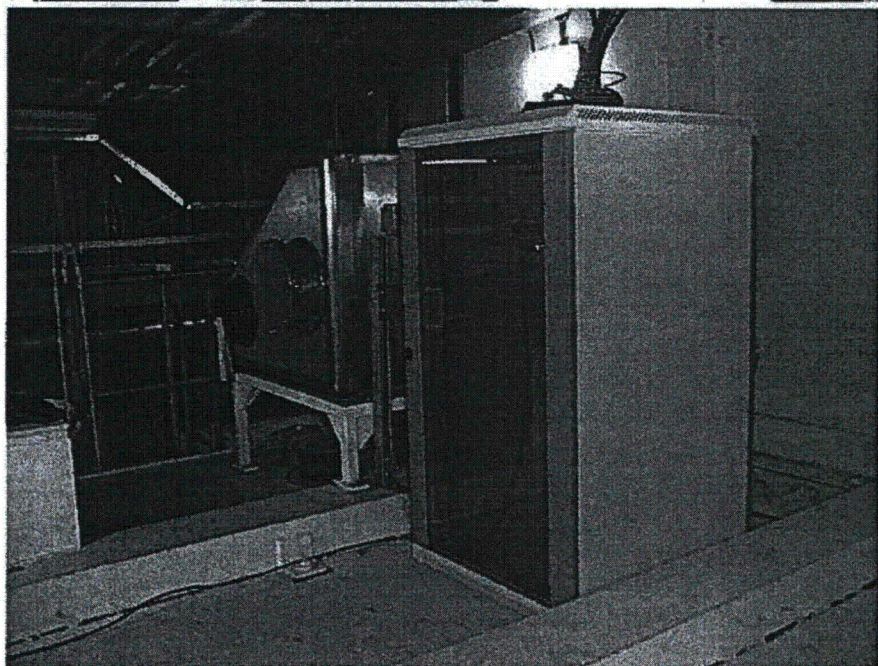
yaw axis and gripper.



Two robot controllers in one cabinet together with all necessary relays, interlocks and power drives for shield doors. Behind may be seen the viewing window and a row of tongs; to the right of the viewing window is a control pendant. All robot functions are controlled from this pendant.

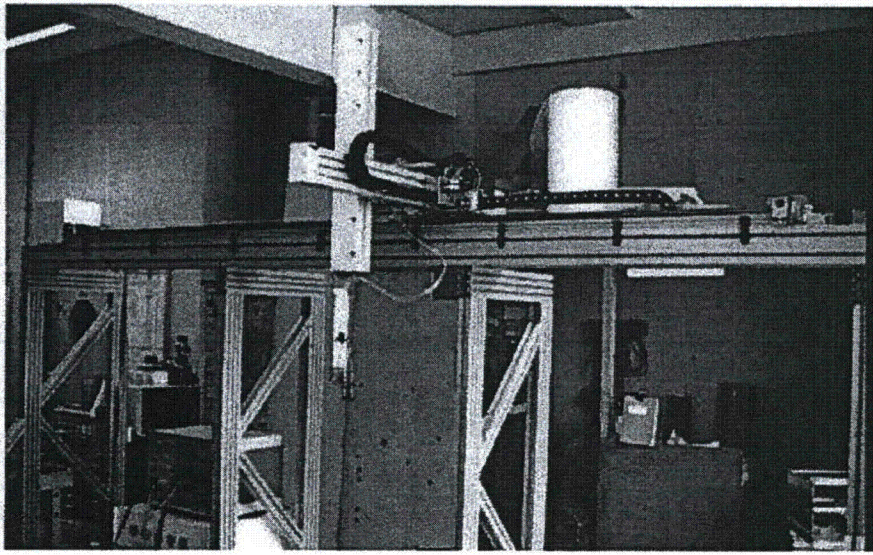
Another twin robot system in a mockup





Another robot controller on another installation. Glovebox is behind.

This robot is designed only for handling samples. Samples are housed in lead chambers with shield doors. The robot controller controls the doors as well as gripper and interlocks.



- [Back to index page](#)

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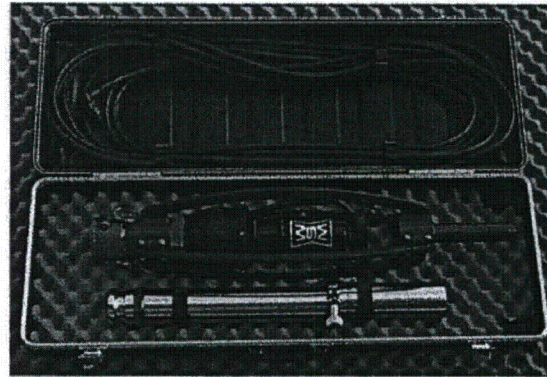
# Welcome to Western Space & Marine, Inc.

53 Aero Camino  
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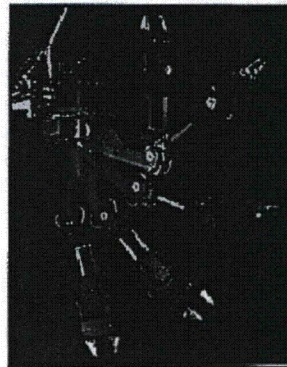
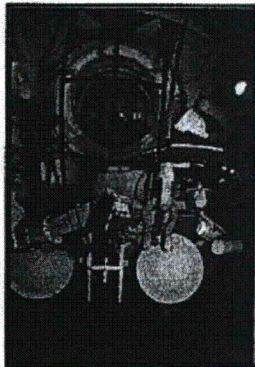
Click on photo to view video:



HAZ-MATE  
When close is not comfortable



LIGHTWEIGHT UNDERWATER VACUUM SYSTEM  
Nuclear Foreign Object Retrieval



**Western Space & Marine, Inc.** specializes in the manufacture of **robotic arms** and controls for applications where human interface is essential. **WSM** has developed modern **telepresence** systems so that man and machine can function as a single entity. People with only minutes of training can successfully operate our manipulators with confidence.

The telepresence built into our robotics is a sophisticated **Force Feedback System** which allows the operator to feel a percentage of what the manipulator is feeling. This is critical in applications where high levels of precision are needed such as screwing on a nut or picking up random objects from the bottom of the ocean. Our large industrial manipulator, **MAN-MATE** (seen above), takes advantage of this principle in order to assist industry in heavy manufacturing. The **MAN-MATE** is able to respond in a similar motion as the operators arm while providing essential feedback on a continuous basis. This allows a human to perform super-human tasks with ease. Hundreds of **MAN-MATE** manipulators are currently in use throughout the US and Europe performing critical casting and forging operations for industry. They are extremely reliable and are highly adaptable to performing many tasks.

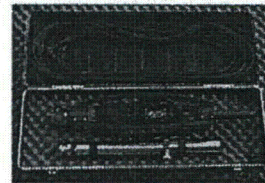
Also benefiting from telepresence technology is **WSM's THE ARM** (seen above). This manipulator was designed for exploring the ocean's depths and is employed by the Navy to help support their critical mission. It is a highly dexterous device which was intended to function in harmony with a human's complex anatomy.

**WSM** is also in the business of **Engineering Consulting** and has been contracted to design and build systems for some of the most discerning customers. Our engineering team has been called on many times in the past to develop products for a wide range industries. Our customers cover a broad spectrum. NASA enlisted our skills to develop an arm for their space program. Jim

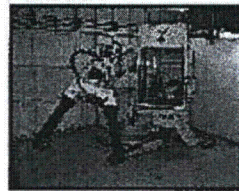
Cameron, the director of the famed movie "Titanic," hired WSM to build a Remotely Operated Vehicle (ROV) for the filming of the Titanic. Our working prototype managed to go further into the ship than any other ROV and with no down time.



*Cable-Pro Engine Module*



*LUV SYSTEM*  
*Lightweight Underwater Vacuum System*  
*Nuclear Foreign Object Retrieval*



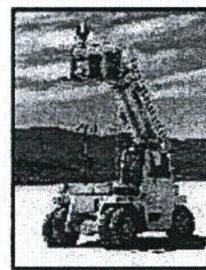
*MAN-MATE*



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## Special Projects





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# Western Space & Marine, Inc.

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6546 Pound Road  
Williamson, NY 14580

(315) 589-4000

See website for how to contact by e-mail

\*\*\*\*\*

Deep Ocean Engineering ( out of business )

[jbaker@falmouth.com](mailto:jbaker@falmouth.com)

[dmartin@falmouth.com](mailto:dmartin@falmouth.com)

\*\*\*\*\*

Brokk, AB ( <http://www.brokk.com/> )

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i Robot ( <http://www.irobot.com> )

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Bedford, MA 01730

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\*\*\*\*\*

OC Robotics (<http://www.ocrobotics.com/>)  
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UK

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\*\*\*\*\*

International Climbing Machines ( <http://icm.cc/> )  
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( 970) 663-1431

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Whitenhaven Commercial Park Moresby  
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(250) 361-9115

[Chris@RoperResources.com](mailto:Chris@RoperResources.com)

\*\*\*\*\*

The Field Robotics Center ( <http://www.frc.ri.cmu.edu/index.php> )  
Carnegie Mellon University  
5000 Forbes Ave  
Pittsburgh, PA 15213

(412) 268-6556 See Web Site for Contacts



\*\*\*\*\*

CRASAR ( Center for Robot-Assisted Search & Rescue ) <http://crasar.org/>  
Texas A & M University  
333 H.R. building  
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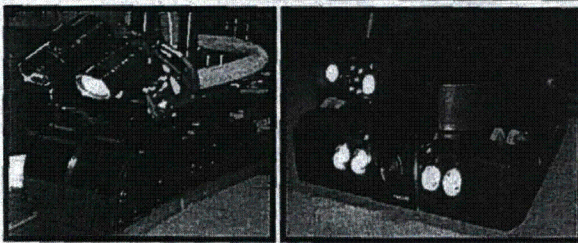
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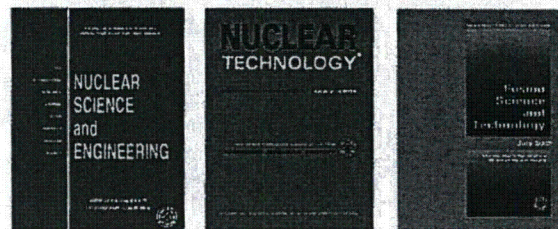
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Company Profile: Distributor of new & used **robotics** including high payload **robotics**. Robots used in cutting/trimming, material handling, machine loading, palletizing, assembly, dispensing, welding, grinding, polishing, pick & place functions & inspection/vision functions are available. Robotic applications also include ...

Brand Names: Fanuc, Mitsubishi Electric, Motoman, Nachi, OTC DAIHEN, Panasonic

### Robotic Automation Systems - Waunakee, WI

<http://www.roboticautomationsystems.com>

Manufacturer, Custom Manufacturer

Company Profile: Manufacturer of custom robotic automation systems & custom end of arm tooling (EOAT) for the plastic molding industry, including automation for injection molding, insert molding (insert loading), overmolding, press to press transfer, in-mold decorating (IMD), in-mold labeling (IML), assembly cells, vision ...

### Computer Age Engineering - Marion, IN

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Manufacturer, Custom Manufacturer, Service Company

Company Profile: Manufacturer of **robotics** including multi-axis & cam driven **robotics**. Installation services include project management, rigging, millwright, electrical conduit, wire ways, piping install, PLC programming, start up, training & flexible staffing. Capabilities include electrical & mechanical design, CNC ...

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### Robotic Turnkey Solutions, llc - Turner, ME

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Manufacturer, Custom Manufacturer, Service Company

Company Profile: Custom integrator of multi-axis robotic systems for manufacturing, material handling, footwear & molding industry & metal fabrication. Robotic system cells include palletizing, pick & place, case picking, packing, sorting, cleaning, tray handling, machine & press tending, material handling, painting, ...

### ATS Automation Tooling Systems, Inc. - Cambridge, ON CAN

<http://www.atsautomation.com/automation/ult...>

Manufacturer, Custom Manufacturer

Company Profile: Six sigma capable, lean manufacturing capable, ISO 9001:2000 certified, ISO/TS 16949:2002 certified, ISO 13485:2003 certified & QS 9000 certified worldwide manufacturer of standard & custom robots & **robotics**. Capabilities include repetitive equipment manufacturing, product & process designing, building ...

Brand Names: Superbot

### Farason - Coatesville, PA

[http://www.farason.com/robotic\\_sort\\_feed/](http://www.farason.com/robotic_sort_feed/)

Manufacturer, Custom Manufacturer

Company Profile: Custom manufacturer of automation systems, equipment & machinery designed & built to perform operations for assembly, manufacturing & packaging processes. Robot, vision, pick & place integration with work cells & systems performing material handling operations. Flexible sorting, orienting & feeding systems ...

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### Macron Dynamics, Inc. - Croydon, PA

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Manufacturer, Custom Manufacturer, Service Company

Company Profile: Manufacturer of custom linear motion systems used for a wide range of industrial & factory automation applications including pick & place, Cartesian **robotics**, sorting, inspection, indexing, packaging & dispensing systems, product lifts & elevators, waterjet & laser cutting gantries & general automation. ...

#### Product Catalog

### TCA Technologies, Inc. - Guelph, ON CAN

<http://www.tricityautomation.com/index.cfm?...>

Manufacturer, Custom Manufacturer, Service Company

Company Profile: Custom manufacturer of **robotics**. Products include assembly equipment, test & inspection equipment, metal forming equipment, flame brazing systems, air tables & transfer systems. End forming & swaging equipment, weld cells, leak test stands, automated spray systems, brake shoe test tables & window screen ...

### Lindquist Machine Corp. - Green Bay, WI

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Manufacturer, Custom Manufacturer, Service Company

Company Profile: ISO 9001:2008 certified custom builder of robots, **robotics**, automation equipment, controls, controllers & related components in the food processing/packaging, nuclear & wind energy, oil & gas, pulp/paper, converting, printing & plastic markets. Complete integration & special automation solutions, with ...



**Dixon Automatic Tool, Inc. - Rockford, IL**[http://www.dixonautomatic.com/robotic\\_systems...](http://www.dixonautomatic.com/robotic_systems...)

Manufacturer, Custom Manufacturer, Service Company

Company Profile: Specializes in robotic assembly &amp; robotic material handling cells vision &amp; part inspection systems, auto-fed screwdrivers, nut drivers with torque/angle &amp; depth control, part placing stations, placer/presses, semi-automated screwdriving &amp; part placement work cells, rotary &amp; inline assembly systems, pick ...

**Yaskawa Electric America, Inc., Switch Div. - Waukegan, IL**<http://www.yaskawa.com/site/Products.nsf/ho...>

Distributor, Manufacturer, Custom Manufacturer

Company Profile: ISO 9001:2008 certified robotics &amp; industrial automation systems integrators. System components include AC drives, commercial HVAC drives, spindle drives &amp; motors, adjustable frequency drives, servo amplifiers, servo systems, machine controllers &amp; motion controllers, medium voltage switches, breakers ...

**Product Catalog****PrimeTest Automation - Boca Raton, FL**<http://automation.primetest.com/item/all-ca...>

Manufacturer, Custom Manufacturer, Service Company

Company Profile: Custom manufacturer of robot systems for assembly, process &amp; test automation. Typical applications include pick &amp; place, assembly, packaging, machine loading, material handling, dispensing &amp; palletizing. Systems available with four &amp; six axis robots including controllers, robot bases, safety enclosures ...

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**Bastian Material Handling - Indianapolis, IN**<http://bastiansolutions.rtrk.com/?scid=2108...>

Distributor, Manufacturer, Custom Manufacturer, Service Company

Company Profile: Manufacturer of standard &amp; custom engineered robotics or robots. Types include pick &amp; place, case picking, machine tending, vision guided, packaging, force sensing, palletizing, depalletizing, conveying, wrapping &amp; lifting robots. Industries served include automotive, electronics, food &amp; beverage, pharmaceutical ...

**Assembly & Automation Technology, Inc. - Woburn, MA**<http://www.assemblyandautomationtech.com/ro...>

Manufacturer, Custom Manufacturer, Service Company

Company Profile: Custom manufacturer of automated machinery &amp; equipment including robotic systems for material handling applications. Robotic systems are used in deflash stations for removing flash from edge of a molded door.

**Progressive Surface - Grand Rapids, MI**<http://www.progressivesurface.com/sitemap.p...>

Manufacturer, Custom Manufacturer, Service Company

Company Profile: ISO 9001:2008 certified. Manufacturer &amp; designer of robotics &amp; robotic systems. Products include waterjet cleaning, part orient &amp; loading, CNC punch press, hydraulic shear, blade tip, laser processing, sheet handling, shot peening, grit blasting &amp; thermal spraying systems. Applications include military, ...

**Buckeye Machine Fabricators, Inc. - Forest, OH**<http://www.buckeyemachine.com/solutions/rob...>

Manufacturer, Custom Manufacturer, Service Company

Company Profile: Custom manufacturer of robotics equipment. Products include fully integrated robot cell. Services include loading, unloading, assembly, dispensing fabricating, machining, assembly, wiring, test &amp; installation of robotic cells. Markets served include second tier automotive, lighting, appliance, compression ...

**Flexible Automation, Inc. - Burton, MI**<http://www.flexautoinc.com/sys-templ/robotic...>

Manufacturer, Custom Manufacturer, Service Company

Company Profile: Manufacturer of automated robotics to perform component assembly, material handling, ink jet printing, ultra-sonic welding, adhesive dispensing &amp; deburring.

**Thermo Fisher Scientific - Waltham, MA**<http://www.thermoscientific.com/wps/portal/...>

Manufacturer, Custom Manufacturer

Company Profile: Manufacturer of laboratory robotic equipment or systems including robotics or robots. Specifications of robotics vary depending upon models &amp; include 392.9 mm width, 138.7 mm height to enclosures &amp; 110/115/230 VAC power requirement. Various features of robotics include serial ports, end-of-arm connectors, ...

**Advanced Engineered Systems, Inc. - South Beloit, IL**[http://advengsys.rtrk.com/?scid=1447390&rl\\_...](http://advengsys.rtrk.com/?scid=1447390&rl_...)

Manufacturer, Custom Manufacturer, Service Company

Company Profile: Manufacturer of welding assemblies &amp; equipment. Includes standard &amp; robotic welding stations.

**PaR Systems - Shoreview, MN**<http://www.par.com>

Manufacturer, Custom Manufacturer, Service Company

Company Profile: ISO 9001:2000 certified custom manufacturer of automation equipment. Automation equipment includes robots, cranes &amp; cargo equipment, cleaning equipment, end arm tooling, stabilizers, steering gears, anchor windlasses &amp; elevated causeways, hazardous environment equipment &amp; packing &amp; palletizing equipment. ...

**Hirschmann Engineering USA, Inc. - Schaumburg, IL**<http://rodendbearings.rtrk.com/?scid=177335...>

Manufacturer, Custom Manufacturer, Service Company

Company Profile: ISO 9001:2000 certified custom manufacturer of robotic loading devices. Other products include rod ends &amp; spherical bearings, work holding pallet systems for CNC machining, pallet systems for EDM, CNC rotary submersible axes, C axes &amp; tool-changers for the machine tool industry.

**Product Catalog**

**ATI Industrial Automation - Apex, NC**

<http://www.ati-ia.com>

Manufacturer, Custom Manufacturer

Company Profile: ISO 9001 certified manufacturer of robotic end effectors, accessories & arm tooling. Products include tool changers, multi-axis force/torque sensors, rotary joints, collision sensors, paint & welding guns, grippers, transguns, press tooling & compliant deburring tools. Applications include product testing, ...

**Visumatic Industrial Products - Lexington, KY**

[http://www.visumatic.com/fix/fixed\\_robotics...](http://www.visumatic.com/fix/fixed_robotics...)

Manufacturer, Custom Manufacturer, Service Company

Company Profile: Custom manufacturer of fixed systems & robotics. Features of robotics include five transducerized & closed loop system, NST traceable axis, nosepiece assembly, DC torque/angle control & modular & pre-programmed controls. Applications include multiple locations, fasteners & screws.

Brand Names: Visumatic

**Bosch Packaging Technology, Inc. - New Richmond, WI**

<http://www.boschpackaging.com/doboy/eng/rob...>

Manufacturer

Company Profile: Manufacturer of robotics & robots including top loaders & feed placers for packaging applications. Delta style, pick & place top loading robots place incoming product flow into cases, cartons, or trays. Feed placer robots pick & place incoming product directly into nearly any form of flighted or pitched ...

Brand Names: Delfi, Paloma-Pak

**Great Lakes Automation Services Inc. - McKean, PA**

<http://www.glasi.us/robot.htm>

Manufacturer, Custom Manufacturer, Service Company

Company Profile: Systems integration services including design & manufacturer of automated assembly & test equipment, AMI, rotary dials, lean cells, linear systems, vision inspection, test modules, robot integration, build to print, service, rebuilds, parts, kitting & packaging.

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## Robotics Suppliers

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### MP Technologies, Inc. - Brecksville, OH

<http://www.mptechusa.com/main.htm>

Manufacturer, Custom Manufacturer, Service Company

Company Profile: Designers & mfrs. of special machines, automation equipment & turnkey systems, new processes, prototypes, parts & fixtures; from bench top to complete systems; integrated machining, fabrication, engineering & design.

### Blasters, Inc. - Tampa, FL

[http://www.blasters.net/New\\_Equipment.asp](http://www.blasters.net/New_Equipment.asp)

Distributor, Manufacturer, Custom Manufacturer, Manufacturers' Rep, Service Company

Company Profile: Full range of cutting services including water jet robotics. Robotic concrete cutters are used on bridge decks, parking garages, dams, docks & piers & airport runway. Capabilities include from light surface scarification to 42 in. deep cut concrete removal. HydroCat™ surface prep system provides ...

Brand Names: HydroCat

### Cyber-Tech, Inc. - Beaverton, OR

<http://www.cyber-tech.net/index.cfm?fuseact...>

Distributor, Manufacturer, Custom Manufacturer

Company Profile: ISO 9001:2000 certified custom manufacturer of heavy duty industrial joysticks & control grips for the construction, agricultural, off-highway, forestry, marine & automation systems. Custom designed for specific needs. Industrial control grips can be mounted to any electronic joystick, hydraulic joystick ...

Brand Names: Cyber-Stick, Ergo-Grip, Handy-Grip, Mini-Grip, National Wire & Cable, Pendant-Grip, SAIA

### Allen-Orton, LLC - Norcross, GA

<http://www.allen-orton.com/linecard.pdf>

Distributor, Service Company

Company Profile: Distributor of automation products including robotics. Automation products also include motion & programmable controllers, variable frequency drives, human machine operator interfaces, AC, induction, linear, stepping & servo motors, positioners, cord sets, sensors & touchscreens.

### 3 AXIS Development, Inc. - Boynton Beach, FL

<http://www.3axis.us/index.asp>

Manufacturer, Custom Manufacturer, Service Company

Company Profile: ISO 9001:2000 certified of robotics featuring rapid prototyping & designing & building of prototypes. Materials used for prototypes include ABS, polycarbonate, Accura®, NanoTool™, SLArmor™, WaterShed®, DMX-SL™, ProtoGen™, DuraForm®, CastForm® PS, DuraForm® flex, carbon steel, ...

### Equipnet - Canton, MA

<http://www.equipnet.com/Robotics-Equipment-...>

Distributor, Service Company

Company Profile: Distributor of used robotics. Products include dual arm liquid handlers, cell station assay systems, fluorometric imaging plate readers, robotic liquid handling systems, robotic protein handling systems & robotic arms. Robot controllers, library synthesizers, laboratory automation workstations, twistors, ...

### AGI - American Grippers Inc. - Trumbull, CT

<http://www.agi-automation.com/eoat-load-lim...>

Manufacturer, Custom Manufacturer

Company Profile: Manufacturer of pneumatic automation equipment. Products include: pneumatic grippers, linear actuators, pneumatic slides, rotary actuators. Types of actuators include rotary, linear & multi-motion actuators. Accessories include tool changers, end of arm tooling, grippers, end effectors, feed escapements ...

### AWW - Cleveland, OH

Manufacturer, Custom Manufacturer, Service Company

Company Profile: Manufacturer of non-ferrous semi-fab mill products in form of sheet coil, strip, seamless extruded aluminum tube, drawn tube, rod for extruded shapes & wire in aluminum, brass & copper & net shape products in metallized ceramics, cold & warm forgings & hydroformed components.

### TJ Automation, Inc. - Archbold, OH

<http://www.tjautomationinc.com/robotics.htm...>

Manufacturer, Custom Manufacturer, Service Company

Company Profile: ISO 9001:2008 certified manufacturer of gantry style pick & place units including robots. Fully automated insertion robots are integrated with vision systems.

### Production Systems Automation, Inc. - Aston, PA

<http://www.psarobotics.com/>

Manufacturer, Custom Manufacturer

Company Profile: Manufacturer of robotics including palletizing & pick & place robots. Capabilities include turn-key project management, material procurement, designing, fabrication, three-axis CNC milling, shearing, plasma cutting, HMI & PLC programming, MIG welding, powder coating, custom paint finishing, press braking, ...

### Automation EZ LLC - Tucson, AZ

<http://www.automationez.com>

Manufacturer, Custom Manufacturer

Company Profile: Robotics. Specifications include designer integrator, fabricator & installer of custom industrial automation machinery & semi-automation equipment & turn-

key solutions. Worked on products lines, such as batteries, electronics & aerospace components to audio cassettes & floppy disks all done to specific ...

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**Ingersoll Production Systems - Rockford, IL**

<http://www.ingersollprodsys.com/Products/Fl...>

Manufacturer, Custom Manufacturer, Service Company

Company Profile: **Robotics** & automation designing services. Capabilities include designing spare parts programs for increasing uptime, output & productivity of equipment & machines.

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**CIM Systems Inc. - Noblesville, IN**

<http://www.cimrobotics.com>

Custom Manufacturer, Service Company

Company Profile: Full service automation design, engineering, integration, project management, installation & training. Turnkey or as needed. All major manufacturers.

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**Quartet Mechanics - Santa Clara, CA**

<http://www.quartetmechanics.com/Q/Robotics...>

Manufacturer, Custom Manufacturer

Company Profile: Manufacturer of robotic systems including **robotics** or robots. Types include 4-axis SCARA & 6-axis cleanroom robots. Theta axes of SCARA robots rotate 640 degree & can reach 3-FOUP/FOSB in an EFEM (equipment front-end module) without linear track. Cleanroom robots are available with arm mounting options ...

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**Weld-Action Co., Inc. - Warren, OH**

<http://weldaction.thomasnet.com/category/al...>

Manufacturer, Custom Manufacturer

Company Profile: Custom manufacturer & distributor of **robotics**. **Robotics** are suitable for arc welding, cleaning, spraying, machine tending, packing, deburring, palletizing, grinding & polishing & cutting applications.

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**Robotics Product Catalog:**

Towers™ G2 Series

Towers™ Robot Series

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**Zepnick Solutions - Green Bay, WI**

Service Company

Company Profile: **Robotics**, robotic workcells & robotic vision systems engineering, design & build & integrators. Capabilities include vision inspection cells, palletizing cells, packaging cells, case packing cells, product handling cells, assembly cells, press loaders/unloaders, video inspection cells, robotic pick & ...

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**Centerline Automation Services, Inc. - Shrewsbury, MA**

<http://www.centerlineautomation.com>

Distributor, Service Company

Company Profile: Distributor of remanufactured CAM driven multi-axis **robotics** including robots for high payload & injection molding applications. Specifications of robots include 47 in. to 106 in. traverse stroke, 25.5 in. to 52 in. vertical stroke, 6 in. to 42 in. strip stroke & press range from 50 ton to 700 ton. Features ...

Brand Names: Centerline

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**Robotics Product Catalog:**

Used & Recertified Equipment

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**Komax Corporation - Buffalo Grove, IL**

Manufacturer, Custom Manufacturer, Service Company

Company Profile: Worldwide ISO 9001:2008 certified manufacturer of wire processing systems. Custom manufacturer of automated assembly systems. Wire processing equipment such as cut & strip machines, harness machines, wire preprocessing machines, crimping machines, machine modules, bench top wire processing machines & ...

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**TSI Solutions - Locations**

<http://www.4tsi.com/electrical.html>

Distributor, Manufacturer, Custom Manufacturer, Service Company

Company Profile: Distributor of **robotics**. Types of robots include assembly & gantry robots. Specifications of robots include motor output ranging from 200 W to 400 W, maximum speed ranging from 480mm/seconds to 960 mm/seconds, 30 kg to 50 kg load capacity & 3.5 m to 10 m. cable size.

Brand Names: Yamaha Robotics

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**Product Catalog**

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**Kidder Mfg. Co., Ltd. - Thornhill, ON CAN**

Distributor, Manufacturer, Custom Manufacturer

Company Profile: Manufacturer & distributor of consumer electronics & **robotics**. Products include LED lights, light bulbs & gearbox motors.

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**Armour Spray Systems, Inc. - Cleveland, OH**

Distributor, Manufacturer

Company Profile: Manufacturer & Distributor Of Automatic Spray Stations, Special Wand Extensions, Multiple Gun Pump Systems & **Robotics**.

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**Newton Research Labs, Inc. - Renton, WA**

Manufacturer

Company Profile: Manufacturer of **robotics**, optical automation systems, & machine vision systems & accessories including breakout boxes, cables, illuminators, laser diode modules, laser inserts, & modules.

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**Quality Machine & Automation - Holland, MI**

Distributor, Manufacturer, Custom Manufacturer, Manufacturers' Rep, Service Company




Company Profile: Custom manufacturer of assembly **robotics** for automation. **Robotics** includes welding systems, plastic bonding machines, & material handling systems. Capabilities include designing & programming turnkey systems & building with required features for specified applications.

General Dynamics Robotic Systems - Westminster, MD  
Manufacturer  
Company Profile: Manufacturer Offering Tactical Robotics.

Production Systems Inc - Columbus, IN  
Distributor, Manufacturer, Custom Manufacturer, Service Company  
Company Profile: Manufacturer of custom conveyor systems, turnkey systems, manual manipulators, assembly machines, robotics, end of arm tooling & packaging systems. Controls & mechanical engineering services.

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Ctech Automation Inc - London, ON CAN

Manufacturer

Company Profile: Manufacturer Of Automation & Control Products Including Assembly & Test Systems, Welding & Machining Systems, **Robotics**, & Instrumentation Systems Among Others.

Applied Machine Solutions, Inc. - Ball Ground, GA

Distributor, Custom Manufacturer, Manufacturers' Rep

Company Profile: Distributor of machine tools including EDM, wire EDM, milling machines, lathes & machining centers.

Brand Names: Hermann Schmidt, Sodick

ABB Inc. - Auburn Hills, MI

Manufacturer, Custom Manufacturer, Service Company

Company Profile: Custom manufacturer of **robotics** including used & remanufactured robots for applications such as assembly, general manufacturing, painting, welding, machining, machine tending, packaging, palletizing and material handling. Robots are suitable for arc & spot welding, assembly, deburring, dispensing, finishing, ...

Cambridge Machinery - Goodlettsville, TN

Distributor, Custom Manufacturer

Company Profile: Distributor of **robotics** automation solutions dispensing, material handling, machine loading, loading over a mandrel bender, unloading, deburring, & welding fixtures placement. Specifications include 13.2 lb payload, 136.2 in. vertical reach, 75.5 in. horizontal reach, & 0.002 in. repeatability as well ...

Brand Names: Motoman

Sage Automation, Inc - Beaumont, TX

Manufacturer, Custom Manufacturer

Company Profile: Custom manufacturer & certified turnkey integrator of packaging robotic machinery including pipe bundlers. Pipe bundlers accept, accumulate, bundle & strap pipes with 10 ft. sections, but with different diameters, varying from 2 in. to 15 in. Other special robots include polar & pipe gantry robots. Capabilities ...

Yaskawa America, Inc. - Motion Division - Waukegan, IL

Manufacturer, Custom Manufacturer

Company Profile: ISO 9001:2008 certified **robotics** & industrial automation systems integrators. System components include AC drives, commercial HVAC drives, spindle drives & motors, adjustable frequency drives, servo amplifiers, servo systems, machine controllers & motion controllers, medium voltage switches, breakers ...

Clear Automation, Inc - Southington, CT

Manufacturer

Company Profile: **Robotics** Manufacturer Offering Design, Engineering, Fabrication & Installation Of Integrated Robotic & Machine Vision Systems.

Geiger Handling USA - Madison, WI

Manufacturer, Custom Manufacturer

Company Profile: Manufacturer of automation & robotic equipment.

Cyvect - San Leandro, CA

Service Company

Company Profile: Service Company Offering Undersea Telerobotic Systems, Components & Engineering Services.

Innovative Conveyor Concepts - Grand Prairie, TX

Distributor, Manufacturer, Custom Manufacturer

Company Profile: Distributor of **robotics** including conveyors available in various models & configurations. Types of conveyors include gravity, belt, live roller, accumulation, line shaft, chain driven, powered, low profile belt, motorized roller & pulley, bulk handling, truck loading & flexible, spiral, pallet handling, ...

J.d. Eng - Shawnee Mission, KS

Manufacturer

Company Profile: Engineering & Manufacturing Company, Specializing In **Robotics** & Automation, Consulting, Integrate **Robotics**, **Robotics** Training & Seminars, Online Trouble Shooting, Design & Wood Product Manufacturing.

Creative Engineering - Bronxville, NY

Custom Manufacturer, Service Company

Company Profile: Custom manufacturer of consumer products including **robotics**, toys, pet care & art & craft supplies. Designing, engineering, CAD modeling, prototyping & product development services are also available.

Exhibitology, Inc. - Brooklyn, NY

Manufacturer

Company Profile: Designs & fabricates, custom displays, props & exhibits for retail, museum & special events.

Paxton Engineering, Inc. - North Highlands, CA

Manufacturer, Custom Manufacturer, Service Company

Company Profile: Woman owned custom manufacturer of **robotics** including assembly, material handling & pick & place robots. **Robotics** can be designed, engineered, documented, manufactured, assembled tested in house. **Robotics** can be stand along devices or integrated automation systems, industrial application.

Barrington Automation - Lake In The Hills, IL  
Manufacturer, Custom Manufacturer

Company Profile: Providing a complete line of precision pneumatic components for pick & place machines, automation lines & other industrial applications. Product line consists of grippers, linear actuators, rotary actuators, heavy-duty table slides, elevating tables, escapements, end-effectors, sensors, switches, vacuum ...

C&D Skilled Robotics, Inc. - Beaumont, TX  
Manufacturer, Custom Manufacturer, Service Company

Company Profile: Manufacturer & integrator of industrial gantry robots, articulated arm robots, automation systems, conveyors, end effectors, robotic transfer cars & custom engineered equipment for industrial applications including packaging, material handling, palletizing & distribution. Industries served include oil, ...

Ohlheiser Corp. - Newington, CT  
Distributor, Custom Manufacturer

Company Profile: ISO 9001:2000 certified distributor of automation equipment & systems including robots, **robotics** & robotic accessories. Automation equipment & systems include sensor actuated bus, air logic controls & devices, miniature pneumatic controls & switching, miniature & sub-miniature snap action switches, limit ...

Stephen M. Cooke Co., LLC - Bloomfield, CT  
Manufacturer, Custom Manufacturer, Service Company

Company Profile: Custom manufacturer of **robotics**.

Twin Cities Automation, Inc. - Eden Prairie, MN  
Manufacturer, Service Company

Company Profile: Automation systems integration & machine build; vision system design, programming & integration; HM/SCADA systems design, configuration & programming; motion control systems design & programming; PC-based control system design & programming; PC-based control system design & programming; **robotics** systems ...

Prototype Productions, Inc - Ashburn, VA  
Manufacturer

Company Profile: Manufacturer Group operating in various industries with a focus on **robotics**, medical systems, biometric authentication devices, , surgical simulators, machine vision system, smart sensors,

Applied Rigaku Technologies, Inc. - Austin, TX  
Manufacturer

Company Profile: Core analytical technologies include X-ray diffraction (XRD), X-ray fluorescence (WDXRF, EDXRF), single crystal X-ray diffraction (protein & small molecule) & small angle X-ray scattering (SAXS).

Cassady & Company - Little Rock, AR  
Manufacturer

Company Profile: Manufacturer Of Motion Control & **Robotics**, Machine Vision Systems, Variable Speed Drives & Motors, Electronic Sensors & Industrial Control Components

Janome Industrial Equipment - Elk Grove Village, IL  
Distributor, Custom Manufacturer

Company Profile: Importer & distributor of "Janome" desktop robots, cartesian robots, Scara robots, gantry robots, CNC servo presses with force & position monitoring. Integration, automation, **robotics**, electric screw drivers such as KX-drivers, Hios drivers, Microtech drivers, Quicher screw presenters, depaneling systems, ...

MFG Automation, LLC - Ashford, CT  
Manufacturer, Service Company



Company Profile: Custom manufacturer of **robotics** for manufacturing applications. Capacities include **robotics** with ability for flexible automation in manufacturing, modular designs & capabilities to reconfigure systems as needs change. Flexible automation robotic system applications include arc & spot welding, assembly, ...

Biodirect - Taunton, MA  
Distributor

Company Profile: Distributor of certified pre-owned & new laboratory automation products & peripherals. Types include articulated arms, automated microplate sealers, microplate labelers, automated microplate handlers & positioners, automated incubators, microplate shakers, storage devices, carousels & peripherals. Systems ...

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ProMech Engineering - Taylors Falls, MN

Manufacturer, Custom Manufacturer, Service Company

Company Profile: Custom & special automation equipment & systems services including special projects for manufacturing process development, problem solving, cost reduction, quality improvement, product design & development. Services include coil winding, custom gauging, custom fixturing, glass working, laser soldering ...

FZ Automation, Inc. - Noblesville, IN

Distributor, Manufacturer, Custom Manufacturer, Manufacturers' Rep, Service Company

Company Profile: Automation systems specialists. In-house robotic system integration. Complete analysis services. Project management. Design & engineering services - CAD, simulation, feasibility studies & cycle time evaluations. Programming services: robots, PLC's, vision systems, PC's. Custom training classes. On-site ...

GSI Group-Precision Motion Division - Bedford, MA

Manufacturer, Custom Manufacturer

Company Profile: ISO 9001:2000 certified manufacturer of standard & custom **robotics** including robotic tracking systems such as robotic cutting heads. Features include rugged stainless steel construction, inbuilt crash avoidance & PLC based control with self diagnostics. Specifications include focus lens of 60 mm or 80 ...

Dart Engineering, Inc. - Kitchener, ON CAN

Manufacturer, Custom Manufacturer, Service Company

Company Profile: Manufacturer of rubber, automated equipment design and servo applications.

Scriptpro LLC - Mission, KS

Manufacturer

Company Profile: Manufacturer Of Robotic Systems For Laboratory & Pharmaceutical Applications. Company Offers Automation Systems & Software.

Design Service Corporation - Yakima, WA

Manufacturer

Company Profile: Manufacturer Of Food Tray Padding Machinery, Blown Film Line Equipment, Print Orientation & Post Gusseting Equipment, Heavy Duty Bag Making Machines, Printing Equipment, **Robotics** & Process Control.

Integrated Engineering Solutions - Mississauga, ON CAN

Manufacturer, Custom Manufacturer, Service Company

Company Profile: Manufacturer of custom automation equipment including **robotics**, machine vision systems, ergonomic tools, MIG & TIG welding & cutting fixtures, & trimming stations. Applicable for plastic & heavy equipment manufacturer, construction, metal stamping, automotive, aerospace, food processing, packaging, military, ...

Adept Technology, Inc. - Livermore, CA

Distributor, Manufacturer, Service Company

Company Profile: ISO 9001:2000 certified manufacturer & distributor of industrial **robotics** & robotic systems for high-speed, precision manufacturing, packaging & factory automation applications. Types of robots include SCARA, six-axis, parallel, inverted & cartesian (linear modules) robots. Robots are available in various ...

Brand Names: Adept, Python, Quattro, Viper

Williams & White Machine, Inc. - Burnaby, BC CAN

Manufacturer, Service Company

Company Profile: Manufacturer of specialized grinding equipment used in the cutting tool & machining industry. Machining services including CNC & manual machining, grinding, turning, welding, fabrication & assembly. **Robotics** manufacturing, PLC programming & automation software.

Csd&I Engineered Automation - El Paso, TX

Service Company

Company Profile: **Robotics** service

RB Robotics - San Diego, CA

Manufacturer

Company Profile: Manufacturer Of **Robotics**.

Indiana Automation, Inc. - Noblesville, IN

Manufacturer, Custom Manufacturer, Service Company

Company Profile: Service capabilities: turn-key **robotics** integration, re-programming, re-deploymnet, EOAT design & integration. Specializing in machine tending, vision guided robots, material handling, assembly, washing, palletizing, vision inspection, line tracking & de-burring. Robot types: 6-Axis articulated, 7th ...

Brand Names: DVT, Mitsubishi Electric

ABB Body-In-White - Auburn Hills, MI

Manufacturer

Company Profile: Press Automation On Body-In-White Systems

American Robot Sales - New Berlin, WI

Distributor, Custom Manufacturer, Manufacturers' Rep

Company Profile: Distributor of robot systems. Types of **robotics** include product testing, dispensing, machine loading & unloading robots, packaging, milling, vision & inspection, vibratory, trimming, polishing & dexterous **robotics**. **Robotics** are suitable for industrial, educational, research & laboratory applications. ...

**Yamaha Robotics - Edgemont, PA**  
 Manufacturer

Company Profile: Manufacturer of industrial & SCARA robots & robotic systems, assembly robots & material handling robots. Training & maintenance services

**Alaark Robotics - New Berlin, WI**  
 Distributor, Manufacturer, Custom Manufacturer, Service Company

Company Profile: ABB robots & robotic replacement parts, repair, reconditioning, retrofitting services. New, used & remanufactured robot systems.

**Powerhouse Engineering, Inc. - Belmont, CA**  
 Manufacturer

Company Profile: Manufacturer of robot kits for **robotics** projects such as educational robots, industrial **robotics**, experimental robots, hobby robots & robotic sports & competitions.

**Robotics International, Inc. - Rochester Hills, MI**  
 Distributor, Custom Manufacturer, Service Company

Company Profile: Stocking distributor & specialized supplier of used, rebuilt & new robots for welding, painting, material handling, adhesive & sealant dispensing, waterjet & other applications. Additional services include rebuild, reconditioning, preventive maintenance, repair, design installation, service plans, parts ...

**Advanced Laser Machining Inc. - Chippewa Falls, WI**  
 Manufacturer, Custom Manufacturer, Service Company

Company Profile: Metal manufacturer & engineering service including laser cutting, punching, robotic welding, forming, & assembly.

**Sterling Detroit Co. - Royal Oak, MI**  
 Manufacturer, Custom Manufacturer, Service Company

Company Profile: Design & Manufacturer Special Machines & Automated Robotic Handling Systems. Integration Of High Technology To Existing Systems. Automated Materials Handling, Automated & Semi-Automated Assembling. Automated Gauging, Sorting & Weighing

**Advanced Micro Robotics, LLC - Dulles, VA**  
 Manufacturer

Company Profile: Manufacturer of custom design **robotics** including robotic arms, label applicators & robotic accessories.

**Scientis - Baltimore, MD**  
 Distributor

Company Profile: Distributor of instrumentation, chemicals, buffers, reagents, & labware for use in clinics, hospitals, and research labs.

**Quest Automation - Alvin, TX**  
 Manufacturers' Rep, Service Company

Company Profile: Automated material handling systems using **robotics**. Applications include palletizing, pick & place systems, & assembly systems.

**Mid South Automation - Cookeville, TN**  
 Manufacturer, Custom Manufacturer, Service Company

Company Profile: **Robotics** services. Capabilities include testing, consulting, contract manufacturing, designing, drilling, milling, machining, engineering, rapid tooling & turnkey building & installation. Inspection, machine loading, machining, material handling, gantry, parts handling & welding robots are also available. ...

**Genesis Systems Group - Davenport, IA**  
 Manufacturer, Service Company

Company Profile: Designer, manufacturer & builder of robotic positioners & turnkey robotic arc welding, cutting & material handling work cells. Services include: variation management; design for manufacturing review; part prototyping; manufacturing & application engineering; system design; robot programming, process ...

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## Robotics Suppliers

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Gumstix, Inc. - Portola Valley, CA

Distributor, Manufacturer

Company Profile: Products are suitable for commercial design specialists in hardware & software engineering & used in education & research projects.

Design Right, Inc - Arlington, TX

Manufacturer

Company Profile: Mechanical Design & Fabrication Of Fixtures, **Robotics**, Thermal Chambers, Packaging & Enclosures.

Pacific Controls, Inc. - Van Nuys, CA

Manufacturer

Company Profile: Manufacturer of custom EDM systems, automation & **robotics**. Manufacturer of standard & specialized EDM systems, automation & **robotics**, with operating range from grams & microns to meters & tons. Micro EDMs capable to operate with 2.5microns/.0001

Premier Tool & Die - Huntington Beach, CA

Manufacturer, Custom Manufacturer

Company Profile: Design & build of metal stampings dies. Specializing in progressive dies. In-house capabilities include CNC machining & wire & sinker EDMs.

Toshiba Machine Co., America - Elk Grove Village, IL

Manufacturer

Company Profile: Manufacturer of machinery including injection molding machines, machine tools, die casting machines & system **robotics**.

Bastian Material Handling - San Dimas, CA

Distributor, Manufacturer, Custom Manufacturer, Service Company

Company Profile: Material Handling Equipment & Engineered Automation Solutions. Labor Saving Designs & Technology. Independent Systems Integrator. Offerings

Include: Conveyors, Sortation, RFID, Pick to Light, **Robotics**, AS/RS, Palletizers, Controls, Inventory Software (WMS), Pick Modules, Rack.

Brand Names: Southworth

Semibot, Inc - Santa Clara, CA

Manufacturer

Company Profile: Manufacturer Offering Robots & Robotic Equipment For Automation Applications. Services Include Repair, Sales & Integration.

Adept Technology, Inc. - Cincinnati, OH

Manufacturer

Company Profile: Manufacturer of ind. robots.

Computrol, Inc. - Meridian, ID

Custom Manufacturer, Service Company

Company Profile: ISO 9001:2000 certified turnkey electronic manufacturer of assemblies & box builds for **robotics** & robotic systems. Products include single-sided & double-sided printed circuit board assemblies (PCA), cable assemblies, press-fit & back plane assemblies, wire & wireless harness assemblies, back plane assemblies, ...

Ropro Design Inc - Beaver, PA

Manufacturer

Company Profile: Manufacturer Offering **Robotics** Equipment & Prototypes.

Elite Engineering Corp. - Camarillo, CA

Manufacturer, Custom Manufacturer, Service Company

Company Profile: Manufacturer of **robotics**, automation & custom instrumentation for laboratory, industrial & assembly applications. Engineering & design & product development services.

Robotic Concepts Incorporated - Highland, MI

Distributor, Custom Manufacturer

Company Profile: Specialists In Late Model/Low Hour Used Robots As Well As Rebuilt & Refurbished Units, All With Warranties

Merrick & Company - Aurora, CO

Manufacturer

Company Profile: Custom manufacturer of hot cell systems including **robotics**. **Robotics** are suitable for spent nuclear fuel (SNF) transfer & packaging, spent nuclear fuel (SNF) processing, spent nuclear fuel (SNF) post irradiation examination (PIE), medical isotope production, materials research, neutron research, experimental ...

Innomation Systems, Inc - Morrison, MO

Manufacturer

Company Profile: Manufacturer & Distributor Of Industrial Automation Products Including Motion Control Systems, Instrumentation, **Robotics** & Customized Operator Interfaces. Other Products Include Control Panels, Wiring, Software. Also Offers Engineering Services.

Paratus Industries - Buffalo, NY

**Manufacturer, Custom Manufacturer, Service Company**

Company Profile: Custom manufacturer of automated material handling equipment including material feeding systems, material stackers, handling tables, waste conveyors, **robotics** & custom systems.

**Bulova Technologies, Inc. - Lancaster, PA**

**Manufacturer, Custom Manufacturer, Service Company**

Company Profile: ISO 9001 Contract Manufacturer Of Precision Electronics/Electro-Mechanical Sub-Assemblies & Systems. Capabilities: Design, Prototype, New Product Introduction, PCB Assembly, Systems Assembly, Test Development, Repair & Warranty, Supply Chain Management

**Raque Food Systems, LLC - Louisville, KY**

**Manufacturer**

Company Profile: Custom manufacturer of **robotics** including pick & place robot units made from food-grade materials for packaging applications. Specifications of pick & place robots include speed of 150 containers per minute per lane, 3-phase 460 VAC 20 A 60 Hz power supply, & pneumatic requirements including 19.5 SCFM, ...

**Cambridge Scientific Products - Cambridge, MA**

**Manufacturer**

Company Profile: Stocking distributor of **robotics**. Types of **robotics** include automatic pipettor, carousel tool, liquid handlers & liquid handling systems, molecular biology workstations, sample processors, stacker carousel, spot handling workstation, nucleic acid purification & screening **robotics**.

Brand Names: Packard

**RJ Studios, Inc. - Bristol, PA**

**Custom Manufacturer, Service Company**

Company Profile: Product development services, product development consulting, product design, engineering & prototyping. Industrial design, manufacturing engineering, product safety integration, ergonomics review. Product development/design knowledge of all types of materials & processes. Toy, electronic, medical, component, ...

**Bdi Engineering, Inc - Warsaw, IN**

**Service Company**

Company Profile: Engineering Firm Providing Engineering & Product Design To The Motion Control & **Robotics** Industries.

**InTouch Health - Goleta, CA**

**Manufacturer**

Company Profile: Through a proprietary communications & mobile robotic platform, the RP-7 ® Remote Presence Robotic System, healthcare professionals are enabled to consult with hospital-based patients & healthcare staff.

**Adept Technology, Inc. - Fairfield, CT**

**Service Company**

Company Profile: Computer Systems Designers & Consulting Service

**Raw Automation - Reseda, CA**

**Manufacturer, Service Company**

Company Profile: Custom industrial automation & **robotics** services. Vision system installation & programming, PLC programming, documentation, on-site installation, troubleshooting & program modification.

**Adept Technology, Inc. - New Brunswick, NJ**

**Manufacturer**

Company Profile: Manufacturer of ind. robots.




**Trossen Robotics - Downers Grove, IL**

**Manufacturer**

Company Profile: Manufacturer of **robotics**.

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## Robotics Suppliers

Displaying 126 to 141 out of 141 results

Hi-tech Robotics, Inc - Sterling Hts, MI  
Service Company

Company Profile: Machining & Robotic Control Services. Services include Programming, Coating, Painting, Palletizing, Adhesives & Sealing.

---

Robotics Design, Inc. - Montreal, QC CAN  
Manufacturer

Company Profile: Manufacturer of mobile robots, robotic industrial manipulators, manual arms & inspection cameras.

---

Alpha Integration, Inc. - Murfreesboro, TN  
Manufacturer, Custom Manufacturer, Service Company

Company Profile: Design and builds custom assembly & test machines & includes engineering services such as synchronous and non synchronous assembly systems.

---

Cornerstone Design Limited - Franksville, WI  
Manufacturer, Service Company

Company Profile: Manufacturer of automated assembly equipment, lean manufacturing systems & robotics. Lean engineering & manufacturing consulting, robotics & manufacturing systems integration services.

---

Automated Robotic Systems, LLC - Pittsburgh, PA  
Distributor, Manufacturer, Custom Manufacturer, Service Company

Company Profile: Custom designer, engineer & builder of machinery to automate manufacturing processes. Design & development of factory automation equipment, special machinery, robotic systems, robotic welding, load & unloading systems, automatic feeding systems, automatic assembly, material handling, insert loading, ...

---

Krest Signature Dental Ceramics - Woodbridge, ON CAN  
Distributor, Manufacturer

Company Profile: Manufacturer & distributor of bakery equipment & parts including tunnel ovens, boilers, robotics, conveyors, reciprocators & trough elevators. Planning, installation & repair services.

---

Cansea Inc. - Calgary, AB CAN  
Distributor, Manufacturer, Service Company

Company Profile: Robotics services

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Balloch Industries - Huntington Beach, CA  
Manufacturer, Custom Manufacturer, Service Company

Company Profile: Engineering & consulting for the automation & controls industry. Electrical engineering, mechanical engineering, CNC machining. Industrial machinery, assembly systems, process systems & control systems development, design thru integration. Robotics, database integration, PLC programming, motion control, ...

---

Robotek Contracting & Consulting - Brighton, MI  
Custom Manufacturer, Service Company

Company Profile: Design & engineering services for robotics. Capabilities include on site programming & debugging for PLC & HMI interfaces, electrical AutoCAD drawings, hardware design: panel design & layout, power distribution, system interconnects, system communications, safety circuitry, PLC I/O, robot I/O interfaces ...

---

Apex Controls, Inc. - Hudsonville, MI  
Distributor, Manufacturer, Custom Manufacturer, Service Company

Company Profile: AutoCAD documentation, computer applications, HMI troubleshooting, & integration of machine vision & sensors, motion control, & robotics systems. PLC programming.

---

Programming Automation Systems, LLC - Washington Boro, PA  
Service Company

Company Profile: Robotics & product programming services including PLC, HMI & SCADA.

---

Associated Manufacturing & Packaging - Crawfordsville, IN  
Distributor, Manufacturer, Custom Manufacturer, Manufacturers' Rep

Company Profile: Manufacturer & distributor of packaging automation systems including robotics, robot control systems & robot guarding systems. Services include automation, robotic solutions for packing, palletizing & stretch wrapping & operational review & analysis.

---

American Manufacturers Agency Corporation - Oxford, PA  
Distributor

Company Profile:

---

Aps Robotics & Integration, Llc - Deep River, CT  
Manufacturer

Company Profile: Manufacturer Of Robotics & Integration Offers Industrial Cartesian Robots & Robotic Systems. Robotic Products Include Workcells, Visual Inspection, Screwshooting, Pick-n-place, Soldering & Assembly Robots.

---



Microdexterity Systems - Albuquerque, NM  
Manufacturer

Company Profile: Manufacturer Of Robotic Hardware For Applications That Include Medical Procedures As Well As Industrial Procedures.




CT Robotics LLC - Southbury, CT

Service Company

Company Profile: Computer Systems Designers & Consulting Service

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1/10/2011 10:00 AM

Resource Needed	Primary Supply Source	Secondary Supply Source			
Robotic monitoring capabilities for high rad areas	QUESTECH INC George Emanoil 248-615-0800 Fax-248-615-0808	CK ENTERPRISE RANDY FORESTER 269 429-2133 Fax 269 429-7899	ROV Technologies - Jack Judge 802-380-0343 802-254-9353 815-979-0712		
Portable remote monitoring video systems	C&G VIDEO SYSTEMS INC CHUCK BISESI 315-698-1490	CDW COMPUTER CENTERS INC JOANN ORTEGA 866-639-2812	JAMKO 800-545-0079	Wesco Ryan Bassaro 724-840-0306 rbassaro@wesco.com	
Decon robotics	ROV Technologies - Jack Judge 802-380-0343 802-254-9353 815-979-0712				
Video recording equipment	VISITRAK INTL CORP JOE 914-737-4442 FAX # 914-737-5666	C&G VIDEO SYSTEMS INC CHUCK BISESI 315-698-1490	GE Hitachi	Wesco Ryan Bassaro 724-840-0306 rbassaro@wesco.com	
Underwater video robots	GE Inspections (GE IT) 888-332-3438	QUESTECH INC George Emanoil 248-615-0800 Fax-248-615-0808	CK ENTERPRISE RANDY FORESTER 269 429-2133 Fax 269 429-7899	JAMKO 800-545-0079	ROV Technolc Judge 802-380-254-9353 815-
Three dimensional photographic equipment	GE Inspections (GE IT) 888-332-3438	INTECH - Allen Spegall 423-622-3700			
Fiber optics	ANIXTER STEPHEN THOMAS 901-433-2100 Fax 901-365-4511 stephen.thomas@anixter.com 901-433-2104 24 hour emergency answering service 800-323-8167	Wesco Ryan Bassaro 724-840-0306 rbassaro@wesco.com			
Remote grapples, underwater use	PAR NUCLEAR INC Nadine Brown 651-415-4566	GE Inspections (GE IT) 888-332-3438	ROV Technologies - Jack Judge 802-380-0343 802-254-9353 815-979-0712		

Submersibles	GE Inspections (GE IT) 888-332-3438	QUESTECH INC George Emanoil 248-615-0800 Fax-248-615-0808	CK ENTERPRISE RANDY FORESTER 269 429-2133 Fax 269 429-7899	JAMKO 800-545-0079	ROV Technol Judge 802-380 254-9353 815-
Crawler robots with video	GE Inspections (GE IT) 888-332-3438	QUESTECH INC George Emanoil 248-615-0800 Fax-248-615-0808	CK ENTERPRISE RANDY FORESTER 269 429-2133 Fax 269 429-7899	JAMKO 800-545-0079	ROV Technol Judge 802-380 254-9353 815-
NDE Equipment	URA (Washington Group) Jeff Sengenberger	INTECH - Allen Spegall 423-622-3700	Mistras (ITI) Tom Gray	GE INSPECTION TECHNOLOGIES Mark Matthews 610-429-9779 Fax 866-899-4184	

---

**From:** Grana, Brian T. Maj USMC (b)(6)  
**Sent:** Wednesday, March 23, 2011 6:07 AM  
**To:** Cook, William; Casto, Chuck; Monninger, John; Dorman, Dan; Young, Joseph  
ChiefPolMil AMEMB JP; Luke, Robert MCPolAf AMEMB JP  
**Cc:** Monaghan, Dylan M Lt Col USAF MDAO; Hackman, Michael R LtCol USAF PACAF 374  
CONS/CC; Whitney, Andrew L Civ USAF PACAF 374 CONS/CD; Harris, Jeffrey W LTC  
PACOM, J4; Scanlon, Katherine A COL PACOM, J46; Martin, Les CAPT PACOM, J40;  
Trevino, Luis CDR PACOM, J46; Pickett, Timothy LCDR PACOM, J46; Keller, Raymond D  
MAJ PACOM, J43; Wall, Patrick L Col USMC USFJ J4; Menke, Todd A. Maj USMC USFJ J4  
**Subject:** RE: Availability of REL personnel for training of TEPCo workers

Bill,

Thank you sir.

Extremely important gouge.

Semper Fi,

Brian

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

**From:** Cook, William [mailto:William.Cook@nrc.gov]  
**Sent:** Wednesday, March 23, 2011 7:02 PM  
**To:** Casto, Chuck; Monninger, John; Dorman, Dan; Young, Joseph ChiefPolMil AMEMB JP; Luke, Robert MCPolAf AMEMB JP  
**Cc:** Monaghan, Dylan M Lt Col USAF MDAO; Grana, Brian T. Maj USMC  
**Subject:** FW: Availability of REL personnel for training of TEPCo workers  
**Importance:** High

FYI

---

**From:** 川野 晃 [kawano.akira@tepcoco.jp]  
**Sent:** Wednesday, March 23, 2011 5:59 AM  
**To:** Cook, William  
**Subject:** Re: Availability of REL personnel for training of TEPCo workers

Dear Mr. Bill Cook,

I appreciate for your assistance to make sure that 3 REL people could continue to stay in Japan for our worker's training.

I have already asked our affiliated company Toden Kogyo to assign the people who could receive REL training and be operators for Water Cannon facility and now waiting for the answer.

If I get good answers from Toden Kogyo, I believe the training could be started on Friday at latest.

Warmest regards,

Akira Kawano  
TEPCO

On Wed, 23 Mar 2011 04:24:21 -0400

"Cook, William" <[William.Cook@nrc.gov](mailto:William.Cook@nrc.gov)> wrote:

> Kawano San,

>

> I spoke with Mark Lagemann REL National Operations Manager (you met him last evening at Yokota with his two assistants Ken and Blair). He assured me that he remains willing to support the training that you require for your workers. He was very understanding that it is taking you some time to select and assemble the appropriate staff to be trained.

>

> I also spoke with Colonel Monaghan at Yokota AFB. He assured me that the flight line hanger where you and your engineering staff inspected the pumping system would be available to you and your workers for training at your earliest convenience.

>

> TEPCo's request for this assistance is essentially all we need to put the above actions in motion. Please provide your request soonest. Mr Casto, our NRC Team Leader, will be communicating a similar message to your Chairman.

>

> Respectfully,

> Bill Cook

>

東京電力（株）  
福島第一原子力発電所  
第二保全部

川野 晃

電話：0240-32-2486（ダイヤルイン）

電子メール：[kawano.akira@tepcoco.jp](mailto:kawano.akira@tepcoco.jp)

Akira Kawano  
Maintenance Director  
Fukushima Daiichi Nuclear Power Station  
Tokyo Electric Power Company

Phone:+81-240-32-2486

Fax.:+81-240-32-3881

E-mail:[kawano.akira@tepcoco.jp](mailto:kawano.akira@tepcoco.jp)

URL:<http://www.tepcoco.jp/fukushima1-np/index-j.html>

---

**From:** Monninger, John  
**Sent:** Wednesday, March 23, 2011 6:01 AM  
**To:** Cook, William  
**Subject:** Fw: DOE Assistance to Japan on Robotics  
**Attachments:** Japan Robotic and Remote Systems Assistance (22 March 2011).docm

John Monninger

(b)(6)

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

**From:** Cherry, Ronald C <CherryRC@state.gov>  
**To:** Zumwalt, James P <ZumwaltJP@state.gov>; Tong, Kurt W <TongKW@state.gov>  
**Cc:** Casto, Chuck; Dorman, Dan; Monninger, John; Wall, Marc M <WallMM@state.gov>; Luke, Robert S <LukeRS@state.gov>; Young, Joseph M <YoungJM@state.gov>; Duncan, Aleshia D <DuncanAD@state.gov>; Duncan, Aleshia <Aleshia.Duncan@nuclear.energy.gov>; Peko, Damian <Damian.Peko@Nuclear.Energy.gov>  
**Sent:** Wed Mar 23 02:40:44 2011  
**Subject:** FW: DOE Assistance to Japan on Robotics

Jim, Kurt --

Apologies for leaving you off the initial distribution. Marc, Dan and I handed this to Cabinet Secretariat staff in a meeting at 11:30 this morning. The meeting was at the Japanese request and was primarily about process, but with this report having come in overnight, we took the opportunity to present it to them. I've emailed it to the two Cabinet counselors we met with, Katsuro Nagai and Mitsugu Saito. Chuck thought it might be a good idea to hand over another copy to Hosono at the Crisis Management meeting tonight. I told Nagai and Saito that if there were questions on the report at the meeting tonight, we'd send those back to our experts to work on overnight.

Ron

SBU

This email is UNCLASSIFIED

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

**From:** Cherry, Ronald C  
**Sent:** Wednesday, March 23, 2011 3:09 PM  
**To:** Young, Joseph M  
**Cc:** Luke, Robert S; Wall, Marc M; 'dan.dorman@nrc.gov'; 'Chuck Casto'; 'john.monninger@nrc.gov'; Duncan, Aleshia D; 'Duncan, Aleshia'; Peko, Damian  
**Subject:** FW: DOE Assistance to Japan on Robotics

Joe,

The attached came in overnight and Marc Wall, Dan Dorman and I handed it to the GOJ in an 11:30 meeting this morning with Katsuro Nagai and Mitsugu Saito of the Cabinet Secretariat. I presented it as an early/preliminary response to the GOJ's questions about robotic capabilities. Please share this with USFJ, which may be working with MOD on something similar. In the future, who would you recommend as a poc in USFJ, or should we continue to use you as the conduit?

FYI, I will send a more general read out on the meeting separately. It was mainly about process to support the interagency Crisis Management team. Dan and Marc will have their own impressions, as well.

Thanks very much.

Ron

SBU

This email is UNCLASSIFIED

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

From: Mustin, Tracy [mailto:Tracy.Mustin@nnsa.doe.gov]

Sent: Wednesday, March 23, 2011 8:31 AM

To: Kelly, John E (NE); Cherry, Ronald C; Peko, Damian; Duncan, Aleshia D; JapanEmbassy, TaskForce; TaskForce-1 - Japan; CMS TaskForce1G - Japan  
- ISN; 'hoo.hoc@nrc.gov'

Cc: Lyons, Peter; Aoki, Steven; NITOPS; DL-Policy Working Group; Deeney, Chris; Tilden, Jay; Visosky, Mark; Cook, Don; Miotla, Dennis; DAgostino, Thomas

Subject: DOE Assistance to Japan on Robotics

All,

Please find attached a summary of DOE/National Laboratory capabilities in the area of robotics and remote systems.

I am sending this to the Reactor Team (John Kelly), NRC Ops Center, DOS Task Force, and DOE's personnel in Tokyo for their consideration as appropriate.

R

Tracy Mustin

---

**From:** Tong, Kurt W <TongKW@state.gov>  
**Sent:** Wednesday, March 23, 2011 5:31 AM  
**To:** Cherry, Ronald C; Zumwalt, James P  
**Cc:** Casto, Chuck; Dorman, Dan; Monninger, John; Foggie, Kirk; Duncan, Aleshia D; Aleshia.Duncan@nuclear.energy.gov; Damian.Peko@Nuclear.Energy.gov; Young, Joseph M; Wall, Marc M  
**Subject:** Re: DOE Letter to TEPCO

OK. Thanks for your good work on this. KT

---

**From:** Cherry, Ronald C  
**Sent:** Wednesday, March 23, 2011 05:16 AM  
**To:** Zumwalt, James P; Tong, Kurt W  
**Cc:** 'Chuck Casto' <Chuck.Casto@nrc.gov>; 'dan.dorman@nrc.gov' <dan.dorman@nrc.gov>; 'john.monninger@nrc.gov' <john.monninger@nrc.gov>; 'Foggie, Kirk' <Kirk.Foggie@nrc.gov>; Duncan, Aleshia D; 'Duncan, Aleshia' <Aleshia.Duncan@nuclear.energy.gov>; 'Peko, Damian' <Damian.Peko@Nuclear.Energy.gov>; Young, Joseph M; Wall, Marc M  
**Subject:** DOE Letter to TEPCO

Jim, Kurt –

(b)(5) We'll keep the letter and the Embassy cover note in my office until the next step is decided.

Thanks.

Ron

Ronald C. Cherry  
Energy Attaché  
Director, DOE Japan Office  
U.S. Embassy Tokyo  
Tel. (0)3-3224-5444  
Fax (0)3-3224-5769  
Cell (b)(6)  
email [CherryRC@state.gov](mailto:CherryRC@state.gov)

SBU  
This email is UNCLASSIFIED.



---

**From:** Nakanishi, Tony  
**Sent:** Wednesday, March 23, 2011 5:15 AM  
**To:** LIA02 Hoc; Liaison Japan  
**Subject:** Fw: Radiation dose map of Fukushima Daiichi  
**Attachments:** 2010323 1FSurveyMapRev0.ppt

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

**From:** 佐藤 隆 <satoh.takashi@tepcoco.jp>  
**To:** Nakanishi, Tony  
**Cc:** 川野 晃 <kawano.akira@tepcoco.jp>  
**Sent:** Wed Mar 23 03:46:20 2011  
**Subject:** Radiation dose map of Fukushima Daiichi

Dear Mr. Nakanishi,

Attached contains the revised radiation dose map.

Thank you for your support to Japan and TEPCO.

Best regards,

Takashi Sato  
TEPCO

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

**From:** "Nakanishi, Tony" <Tony.Nakanishi@nrc.gov>  
**To:** "Nakanishi, Tony" <Tony.Nakanishi@nrc.gov>; "佐藤 隆" <satoh.takashi@tepcoco.jp>; "Peko, Damian" <Damian.Peko@Nuclear.Energy.gov>  
**Cc:** "川野 晃" <kawano.akira@tepcoco.jp>; <hoofc@state.gov>; "Monninger, John" <John.Monninger@nrc.gov>  
**Sent:** Tuesday, March 22, 2011 7:19 AM  
**Subject:** RE: TEPCO meeting at the US Embassy Monday.

---

**From:** Nakanishi, Tony  
**Sent:** Monday, March 21, 2011 6:15 PM  
**To:** 佐藤 隆; Peko, Damian  
**Cc:** 川野 晃; hoofc@state.gov; Monninger, John  
**Subject:** RE: TEPCO meeting at the US Embassy Monday.

Dear Sato-san,

Attached contains the US assessment on the seawater issue, which we plan to discuss. The assessment was performed by Bettis and Knolls Atomic Labs.

We look forward to seeing you today.

Tony Nakanishi

---

From: 佐藤 隆 [satoh.takashi@tepcoco.jp]  
Sent: Monday, March 21, 2011 7:29 AM  
To: Peko, Damian  
Cc: 川野 晃; hoofc@state.gov; Monninger, John; Nakanishi, Tony  
Subject: Re: TEPCO meeting at the US Embassy Monday.

Dear Mr. Peko,

Thank you very much for your strong support to TEPCO.

Attached are the agenda and related material.  
Please deliver those to the US side before the meeting of tomorrow starts.

Best regards,

Takashi Sato  
TEPCO  
(On behalf of Mr. Akira Kawano)

---

東京電力株式会社  
本店 原子力・立地業務部  
原子力企画グループマネージャー  
佐藤 隆 (Takashi Sato)  
〒100-8560 東京都千代田区内幸町1-1-3  
TEL : 03-6373-4721  
FAX : 03-3596-8538  
E-Mail : [satoh.takashi@tepcoco.jp](mailto:satoh.takashi@tepcoco.jp)

---

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

From: "川野 晃" <kawano.akira@tepcoco.jp>  
To: "Peko, Damian" <Damian.Peko@Nuclear.Energy.gov>  
Cc: <hoofc@state.gov>; <John.monninger@nrc.gov>; <tony.nakanishi@nrc.gov>; <satoh.takashi@tepcoco.jp>  
Sent: Monday, March 21, 2011 4:59 PM  
Subject: Re: TEPCO meeting at the US Embassy Monday.

> Dear Mr.Damian Peko,  
>  
> Thank you for all of your arrangement for tomorrow meeting.  
> I also appreciate for the Embassy of the U.S.A providing the  
> convenience to use oversea telephone system.  
>  
> Our participants for the meeting are as follows:  
>  
> Toshihiro Bannai, NISA  
> Norihisa Yuuki, NISA  
> Syunichi Suzuki, TEPCO  
> junichi Hakii, TEPCO

> Takashi Satoh, TEPCO  
> Akira Kawano, TEPCO  
>  
> Warmest regards,  
>  
> Akira Kawano  
> TEPCO  
>  
>  
> On Mon, 21 Mar 2011 03:25:36 -0400  
> "Peko, Damian" <[Damian.Peko@Nuclear.Energy.gov](mailto:Damian.Peko@Nuclear.Energy.gov)> wrote:  
>  
>> Dear Kawano-san  
>>  
>> I a sending you this email so you have the address to send the names  
>> of he NISA and TEPCO people who will be a the meeting we scheduled  
>> for 10:00 tomorrow. Please reply to this email with the names of the  
>> participants for this meeting.  
>>  
>> Best Regards  
>>  
>> Damian Peko  
>  
> 東京電力（株）  
> 福島第一原子力発電所  
> 第二保全部  
>  
> 川野 晃  
>  
> 電話：0240-32-2486（ダイヤルイン）  
> 電子メール：[kawano.akira@tepcoco.jp](mailto:kawano.akira@tepcoco.jp)  
>  
> Akira Kawano  
> Maintenance Director  
> Fukushima Daiichi Nuclear Power Station Tokyo Electric Power Company  
>  
> Phone:+81-240-32-2486  
> Fax.:+81-240-32-3881  
> E-mail:[kawano.akira@tepcoco.jp](mailto:kawano.akira@tepcoco.jp)  
> URL:<http://www.tepcoco.jp/fukushima1-np/index-j.html>  
>

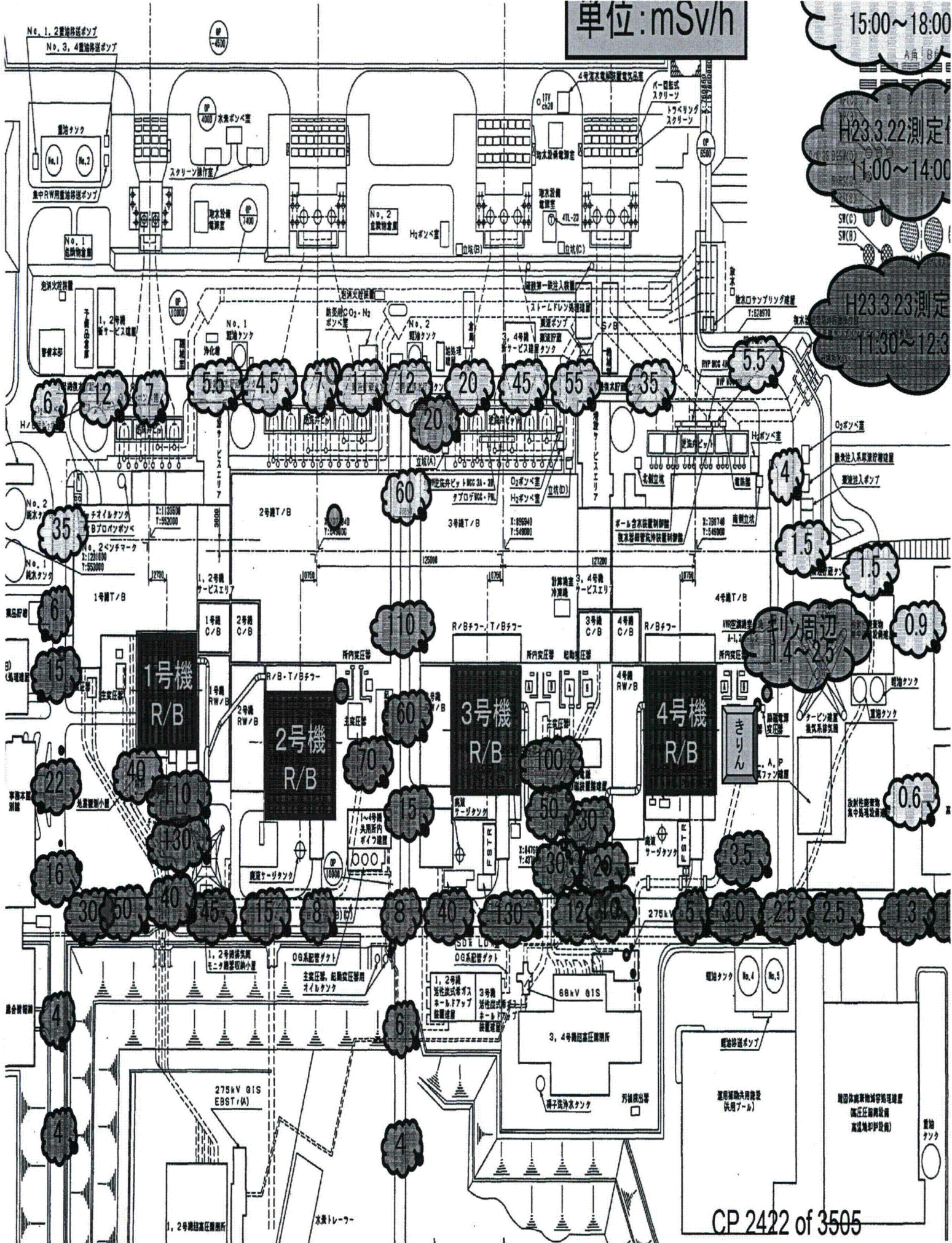


単位:mSv/h

15:00~18:00

H23.3.22測定  
11:00~14:00

H23.3.23測定  
11:30~12:30





---

**From:** Monninger, John  
**Sent:** Wednesday, March 23, 2011 4:41 AM  
**To:** Cook, William  
**Subject:** RE: Availability of REL personnel for training of TEPCo workers

Bill,

You have been doing a phenomenal job of the SFP pumping system.

Many thanks,  
John M.

---

**From:** Cook, William  
**Sent:** Wednesday, March 23, 2011 4:24 AM  
**To:** Monninger, John; Dorman, Dan  
**Subject:** FW: Availability of REL personnel for training of TEPCo workers

fyi

---

**From:** Cook, William  
**Sent:** Wednesday, March 23, 2011 4:24 AM  
**To:** kawano.akira@tepcoco.jp  
**Cc:** youngjm@state.gov; [REDACTED] (b)(6) Casto, Chuck  
**Subject:** Availability of REL personnel for training of TEPCo workers

Kawano San,

I spoke with Mark Lagemann REL National Operations Manager (you met him last evening at Yokota with his two assistants Ken and Blair). He assured me that he remains willing to support the training that you require for your workers. He was very understanding that it is taking you some time to select and assemble the appropriate staff to be trained.

I also spoke with Colonel Monaghan at Yokota AFB. He assured me that the flight line hanger where you and your engineering staff inspected the pumping system would be available to you and your workers for training at your earliest convenience.

TEPCo's request for this assistance is essentially all we need to put the above actions in motion. Please provide your request soonest. Mr Casto, our NRC Team Leader, will be communicating a similar message to your Chairman.

Respectfully,  
Bill Cook

---

**From:** Cook, William  
**Sent:** Wednesday, March 23, 2011 4:32 AM  
**To:** LIA07 Hoc; RST08 Hoc  
**Cc:** Casto, Chuck; Dorman, Dan; Monninger, John  
**Subject:** FW: BECHTEL PUMP TO BE KEPT AT YOKOTA UNTIL FURTHER NOTICE

FYI

---

From: Young, Joseph M [YoungJM@state.gov]  
Sent: Wednesday, March 23, 2011 1:14 AM  
To: j3temp5@jso.mod.go.jp; Wiltse, Jeffrey S COL USA USFJ J5; Huntington, Miki T LTC USA USFJ J54; Harris, Jeffrey W CIV PACOM, J4; Luke, Robert S; Cook, William  
Cc: Crowe, Blake BGen USMC USFJ J01  
Subject: FW: BECHTEL PUMP TO BE KEPT AT YOKOTA UNTIL FURTHER NOTICE

(b)(5)

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

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

From: j3temp5@jso.mod.go.jp [mailto:j3temp5@jso.mod.go.jp]  
Sent: Wednesday, March 23, 2011 7:52 AM

To: [redacted] (b)(6)

(b)(6)

Subject: RE: BECHTEL PUMP TO BE KEPT AT YOKOTA UNTIL FURTHER NOTICE

All, ADM Willard clearly told GEN Oriki that the JJS is the lead for the Fukushima Incident and that all requests for assistance would go through the JJS. GEN Oriki will receive the request from TEPCO and pass it to the Joint Support Forces Japan. VR COL Town

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

From: Harris, Jeffrey W CIV PACOM, J4 [mailto:(b)(6)]

Sent: Wednesday, March 23, 2011 7:32 AM

To: (b)(6)

(b)(6)

Subject: RE: BECHTEL PUMP TO BE KEPT AT YOKOTA UNTIL FURTHER NOTICE

Joe,

The plan is if TEPCO wants the pumps, all I require is the Embassy (You as rep) to give us the thumbs up to release (b)(5)

(b)(5)

Jeff

Jeffrey W. Harris  
PACOM Humanitarian Assistance Program Manager  
Commercial: (808) 477-7669; DSN: (315) 477-7669  
Fax: (808) 477-0944; DSN: (315) 477-0944  
Email: (b)(6)  
SIPRNET (b)(6)

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

From: Young, Joseph M [mailto:YoungJM@state.gov]

Sent: Tuesday, March 22, 2011 12:11

To: (b)(6)

(b)(6)

Subject: Re: BECHTEL PUMP TO BE KEPT AT YOKOTA UNTIL FURTHER NOTICE

(b)(5)

The pump system is intended for TEPCO.

Joe

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

From: Jerabek, Scott B CAPT USN USFJ J02d (b)(6) >

To: (b)(6);

(b)(6)

Cc: (b)(6)

(b)(6)

(b)(6)

Sent: Mon Mar 21 13:35:13 2011

Subject: RE: BECHTEL PUMP TO BE KEPT AT YOKOTA UNTIL FURTHER NOTICE

All,

(b)(5)

V/r,  
Sbj

CAPT Scott Jerabek, USN  
Deputy Chief of Staff  
U.S. Forces, Japan  
BJOCC - 225-6019 (DSN)

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

From: Singleton, Thomas W USN USFJ J5

Sent: Tuesday, March 22, 2011 2:03 AM

To: Grana, Brian T. Maj USMC

Cc: Harris, Jeffrey W LTC PACOM, J4; Kindberg, Scott B MAJ USA USFJ J4; USFJ-CAT-J5; USFJ-CAT-AMEMBASSY; Jerabek, Scott B CAPT USN USFJ J02d; USFJ-CAT-CHIEF; USFJ-CAT-XO; j3cat2nd@jso.mod.go.jp; j3temp5@jso.mod.go.jp; j3temp3@jso.mod.go.jp; USFJ-CAT-J4; MDAO Org Box; Jaje, Michael S LTC USA USFJ J30

Subject: BECHTEL PUMP TO BE KEPT AT YOKOTA UNTIL FURTHER NOTICE

Maj Grana,

(b)(5)

VR/Kind Regards,  
CDR Tom Singleton

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

From: Cote, Benjamin F LCDR USN USFJ J52

Sent: Sunday, March 20, 2011 10:00 PM

To: Grana, Brian T. Maj USMC

Cc: Young, Joseph ChiefPolMil AMEMB JP; 'william.cook@nrc.gov'; USFJ-CAT-J5; MDAO Org Box; Kubista, Theodore LTC USA MDAO; Collier, Andrew H. CDR USN MDAO; 'Tokyo PolMil Unit'



Subject: Embassy Rep to sign for Bechtel Equipment

Brian,

I received a phone call from Mr. Joe Young (Embassy Pol-Mil Chief) in reference to the NRC-MOD Meeting held earlier this evening. He would like to know the procedures involving an Embassy Rep signing for the Bechtel equipment that is scheduled to arrive in Yokota from Australia tomorrow, since he was not familiar with this requirement/process. Could you please respond to all - thank you.

V/r,

Ben

Benjamin Cote, LCDR, USN

Bilateral Plans Officer (J-52)

United States Forces Japan

DSN: 225-6914

(b)(6)

---

**From:** Cook, William  
**Sent:** Wednesday, March 23, 2011 2:52 AM  
**To:** mlagemann@rel.com.au  
**Cc:** Monninger, John; youngjm@state.gov  
**Subject:** Resource Equipment LTD representative availability in Japan

Mark,

I just got off the phone with Kawano San, the lead engineer from TEPCo you met with last night. He would very much like you, Ken and Blair to remain in Japan longer so that you folks can train the TEPCo workers and engineers. He stated that he is working diligently to assemble the people he wants trained. Please give me a call (b)(6) or call the US Embassy (03 3224 5000, ask for the NRC conference room) at your earliest convenience.

Much appreciated,  
Bill Cook

---

**From:** Cherry, Ronald C <CherryRC@state.gov>  
**Sent:** Wednesday, March 23, 2011 2:50 AM  
**To:** Tong, Kurt W; Zumwalt, James P  
**Cc:** Casto, Chuck; Dorman, Dan; Monninger, John; Wall, Marc M; Luke, Robert S; Young, Joseph M; Duncan, Aleshia D; Duncan, Aleshia; Peko, Damian  
**Subject:** RE: DOE Assistance to Japan on Robotics

Will do.

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

**From:** Tong, Kurt W  
**Sent:** Wednesday, March 23, 2011 3:45 PM  
**To:** Cherry, Ronald C; Zumwalt, James P  
**Cc:** 'Chuck Casto'; 'dan.dorman@nrc.gov'; 'john.monninger@nrc.gov'; Wall, Marc M; Luke, Robert S; Young, Joseph M; Duncan, Aleshia D; 'Duncan, Aleshia'; 'Peko, Damian'  
**Subject:** RE: DOE Assistance to Japan on Robotics

Thanks, and good idea to hand over tonight. Best to take lots of copies.

SBU

This email is UNCLASSIFIED

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

**From:** Cherry, Ronald C  
**Sent:** Wednesday, March 23, 2011 3:41 PM  
**To:** Zumwalt, James P; Tong, Kurt W  
**Cc:** 'Chuck Casto'; 'dan.dorman@nrc.gov'; 'john.monninger@nrc.gov'; Wall, Marc M; Luke, Robert S; Young, Joseph M; Duncan, Aleshia D; 'Duncan, Aleshia'; Peko, Damian  
**Subject:** FW: DOE Assistance to Japan on Robotics

Jim, Kurt --

Apologies for leaving you off the initial distribution. Marc, Dan and I handed this to Cabinet Secretariat staff in a meeting at 11:30 this morning. The meeting was at the Japanese request and was primarily about process, but with this report having come in overnight, we took the opportunity to present it to them. I've emailed it to the two Cabinet counselors we met with, Katsuro Nagai and Mitsugu Saito. Chuck thought it might be a good idea to hand over another copy to Hosono at the Crisis Management meeting tonight. I told Nagai and Saito that if there were questions on the report at the meeting tonight, we'd send those back to our experts to work on overnight.

Ron

SBU

This email is UNCLASSIFIED

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

**From:** Cherry, Ronald C  
**Sent:** Wednesday, March 23, 2011 3:09 PM  
**To:** Young, Joseph M

Cc: Luke, Robert S; Wall, Marc M; 'dan.dorman@nrc.gov'; 'Chuck Casto'; 'john.monninger@nrc.gov'; Duncan, Aleshia D; 'Duncan, Aleshia'; Peko, Damian  
Subject: FW: DOE Assistance to Japan on Robotics

Joe,

The attached came in overnight and Marc Wall, Dan Dorman and I handed it to the GOJ in an 11:30 meeting this morning with Katsuro Nagai and Mitsugu Saito of the Cabinet Secretariat. I presented it as an early/preliminary response to the GOJ's questions about robotic capabilities. Please share this with USFJ, which may be working with MOD on something similar. In the future, who would you recommend as a poc in USFJ, or should we continue to use you as the conduit?

FYI, I will send a more general read out on the meeting separately. It was mainly about process to support the interagency Crisis Management team. Dan and Marc will have their own impressions, as well.

Thanks very much.

Ron

SBU

This email is UNCLASSIFIED

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

From: Mustin, Tracy [mailto:Tracy.Mustin@nnsa.doe.gov]

Sent: Wednesday, March 23, 2011 8:31 AM

To: Kelly, John E (NE); Cherry, Ronald C; Peko, Damian; Duncan, Aleshia D; JapanEmbassy, TaskForce; TaskForce-1 - Japan; CMS TaskForce1G - Japan  
- ISN; 'hoo.hoc@nrc.gov'

Cc: Lyons, Peter; Aoki, Steven; NITOPS; DL-Policy Working Group; Deeney, Chris; Tilden, Jay; Visosky, Mark; Cook, Don; Miotla, Dennis; DAgostino, Thomas

Subject: DOE Assistance to Japan on Robotics

All,

Please find attached a summary of DOE/National Laboratory capabilities in the area of robotics and remote systems.

I am sending this to the Reactor Team (John Kelly), NRC Ops Center, DOS Task Force, and DOE's personnel in Tokyo for their consideration as appropriate.

R

Tracy Mustin

SBU

This email is UNCLASSIFIED

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**From:** Monninger, John  
**Sent:** Wednesday, March 23, 2011 2:30 AM  
**To:** Loyd, Susan; Bradford, Anna; Batkin, Joshua  
**Subject:** FW: Photos

FYI. See link below for photos of equipment brought in from Australia.

---

**From:** Cook, William  
**Sent:** Wednesday, March 23, 2011 12:04 AM  
**To:** LIA07 Hoc; Foggie, Kirk; Casto, Chuck; Monninger, John; Dorman, Dan; RST08 Hoc  
**Subject:** FW: Photos

FYI

---

**From:** Brooks, Andrae E LTC USA [redacted] (b)(6)  
**Sent:** Tuesday, March 22, 2011 10:50 PM  
**To:** Cook, William  
**Subject:** FW: Photos

Mr. Cook,

You can see some of the photos from yesterday if you scroll down and hit the link.  
andrae

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

**From:** Schiller, Bryan S [mailto:SchillerBS@state.gov]  
**Sent:** Wednesday, March 23, 2011 9:54 AM  
**To:** Simmers, Keith A MAJ USA; Brooks, Andrae E LTC USA  
**Subject:** Photos

---

**From:** Monaghan, Dylan M Lt Col USAF MDAO [mailto:[redacted] (b)(6)]  
**Sent:** Tue 3/22/2011 8:48 PM  
**To:** Monaghan, Dylan M Lt Col USAF MDAO; Young, Joseph M; Grana, Brian T. Maj USMC; [oikawa.kageharu@tepco.co.jp](mailto:oikawa.kageharu@tepco.co.jp); [kawano.akira@tepco.co.jp](mailto:kawano.akira@tepco.co.jp); [tsuyoshi.hagiwara@toshiba.co.jp](mailto:tsuyoshi.hagiwara@toshiba.co.jp); [yoshihito1.nakayama@toshiba.co.jp](mailto:yoshihito1.nakayama@toshiba.co.jp); [mlagemann@rel.com.au](mailto:mlagemann@rel.com.au); [yuusuke.harashima@toshiba.co.jp](mailto:yuusuke.harashima@toshiba.co.jp); [redacted] (b)(6) Schiller, Bryan S; [KHolden@rel.com.au](mailto:KHolden@rel.com.au) [redacted] (b)(6)  
**Cc:** MDAO Org Box; JapanEmbassy, TaskForce; Tokyo, DAO; [Tim.Gellel@dfat.gov.au](mailto:Tim.Gellel@dfat.gov.au); [Michael.Hadlow@dfat.gov.au](mailto:Michael.Hadlow@dfat.gov.au); Monaghan, Dylan M Lt Col <<image001.jpg>> USAF MDAO; Spurlock, Kenneth CAPT USN MDAO; USFJ-CAT-J5; USFJ-CAT-CHIEF; USFJ-CAT-J4; Lambert, Mark B (TDY/POL); Spurlock, Kenneth CAPT USN MDAO; Brown, Edward Col USAF MDAO  
**Subject:** Photos

As requested,

Photos of the Bechtel Pumps are available online. Please click the link below.

<http://api.photoshop.com/v1.0/accounts/a6447a580246484f8e7920d51cb2c377/albums/24a3cdd9d6fc40d99b64ba13ae0be080/thumbnail>

<<http://www.photoshop.com/index.html?user=dylanmonaghan&galleryid=24a3cdd9d6fc40d99b64ba13ae0be080&wf=sharegrid&trackingid=BTAGC>>

Australian C-17 Delivery of Bechtel Pumps. Click below to see images from 22 Mar 2011.

View album

<<http://www.photoshop.com/index.html?user=dylanmonaghan&galleryid=24a3cdd9d6fc40d99b64ba13ae0be080&wf=sharegrid&trackingid=BTAGC>>

Bechtel Contracted Pumps from Perth flown in on Australian C-17 as photographed on 22 Mar 2011 at Yokota Air Base.

---

D.Monaghan sends

Dylan Monaghan, Lt Col, USAF

US Embassy Liaison

At Bilateral Joint Operations Coordination Center

Operation Tomodachi

USFJ Japan, Yokota Air Force Base

(b)(6)

DSN 225-4250

DSN 225-4329

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**From:** Cook, William  
**Sent:** Tuesday, March 22, 2011 10:14 PM  
**To:** Monninger, John; Casto, Chuck; Dorman, Dan  
**Subject:** FW: Pump update

fyi

From: Grana, Brian T. Maj USMC (b)(6)  
Sent: Tuesday, March 22, 2011 7:47 PM  
To: USFJ-CAT-J4; Cook, William; Young, Joseph ChiefPolMil AMEMB JP; cemercha@bechtel.com;  
(b)(6); Harris, Jeffrey W LTC PACOM, J4; Monninger, John  
Cc: jvhart@bechtel.com; CEROGER1@Bechtel.com; cwrau@Bechtel.com; cmalbert@Bechtel.com;  
mchughes@Bechtel.com; ewthomas@bechtel.com; breilly@bechtel.com; USFJ-CAT-J5; mndaw@bechtel.com; USFJ-  
JLOC-J43; Trevino, Luis CDR PACOM, J46; Pickett, Timothy LCDR PACOM, J46; Monaghan, Dylan M Lt Col USAF MDAO;  
Keller, Raymond D MAJ PACOM, J43; Scanlon, Katherine A COL PACOM, J46; Martin, Les CAPT PACOM, J40;  
j3temp3@jso.mod.go.jp; j3temp5@jso.mod.go.jp; Anastasi, Matthew K. MAJ USA; Poe, Timothy CDR USN  
Subject: Pump update

Todd,

(b)(5)

Semper Fi,

Brian

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

From: Menke, Todd A. Maj USMC USFJ J4 On Behalf Of USFJ-CAT-J4

Sent: Wednesday, March 23, 2011 12:22 AM

To: 'Cook, William'; Young, Joseph ChiefPolMil AMEMB JP; cemercha@bechtel.com; [redacted] (b)(6);

Harris, Jeffrey W LTC PACOM, J4; Monninger, John

Cc: jvhart@bechtel.com; CEROGGER1@Bechtel.com; cwrau@Bechtel.com; cmalbert@Bechtel.com;  
mchughes@Bechtel.com; ewthomas@bechtel.com; breilly@bechtel.com; USFJ-CAT-J4; USFJ-CAT-J5;  
mndaw@bechtel.com; USFJ-JLOC-J43; Grana, Brian T. Maj USMC

Subject: RE: Train 1

Will this equipment move by ground from Hangar 510 to Fukushima?

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

From: Cook, William [mailto:William.Cook@nrc.gov]

Sent: Tuesday, March 22, 2011 11:48 PM

To: Young, Joseph ChiefPolMil AMEMB JP; cemercha@bechtel.com; [redacted] (b)(6); Harris, Jeffrey W  
LTC PACOM, J4; Monninger, John

Cc: jvhart@bechtel.com; CEROGGER1@Bechtel.com; cwrau@Bechtel.com; cmalbert@Bechtel.com;  
mchughes@Bechtel.com; ewthomas@bechtel.com; breilly@bechtel.com; USFJ-CAT-J4; USFJ-CAT-J5;  
mndaw@bechtel.com

Subject: RE: Train 1

Gentlemen,

[Large redacted area containing (b)(5)]

Regards,  
Bill

---

From: Young, Joseph M [YoungJM@state.gov]

Sent: Tuesday, March 22, 2011 9:45 AM

To: cemercha@bechtel.com; [redacted] (b)(6); Monninger, John



Cc: jvhart@bechtel.com; CEROG1@Bechtel.com; cwrau@Bechtel.com; cmalbert@Bechtel.com; mchughes@Bechtel.com; ewthomas@bechtel.com; breilly@bechtel.com; Cook, William; (b)(6); (b)(6); mndaw@bechtel.com  
Subject: Re: Train 1

Thanks, Ned. Just wanted to be accurate in responding to TEPCO's question about transportation expenses. Your message lays this out clearly.  
Joe

----- Original Message -----  
From: Merchant, Ned <cemercha@bechtel.com>  
To: Young, Joseph M; Whitney, Andrew L Civ USAF PACAF 374 CONS/CD (b)(6); Harris, Jeffrey W CIV PACOM, J4 (b)(6); john.monninger@nrc.gov <john.monninger@nrc.gov>  
Cc: Hart, James V <jvhart@bechtel.com>; Rogers, Ed <CEROG1@Bechtel.com>; Rau, Carl <cwrau@Bechtel.com>; Albert, Craig <cmalbert@Bechtel.com>; Hughes, Michael C (BNI OPS) <mchughes@Bechtel.com>; Thomas, Eugene <ewthomas@bechtel.com>; Reilly, Brian (Power) <breilly@bechtel.com>; Cook, William <William.Cook@nrc.gov>; (b)(6); (b)(6); Daw, Martyn <mndaw@bechtel.com>  
Sent: Tue Mar 22 09:34:11 2011  
Subject: RE: Train 1

Joe,

(b)(5)

Best Regards, Ned  
"Quality is not an act, it is a habit"

-----Original Message-----  
From: Young, Joseph M [mailto:YoungJM@state.gov]  
Sent: Tuesday, March 22, 2011 3:10 AM  
To: Whitney, Andrew L Civ USAF PACAF 374 CONS/CD; Merchant, Ned; Harris, Jeffrey W CIV PACOM, J4; john.monninger@nrc.gov  
Cc: Hart, James V; Rogers, Ed; Rau, Carl; Albert, Craig; Hughes, Michael C (BNI OPS); Thomas, Eugene; Reilly, Brian (Power); Cook, William (b)(6)  
Subject: RE: Train 1

(b)(5)

Could you clarify for me where we stand on transportation costs? If the trailers are covered, would TEPCO have to hire trucks to pull them?

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

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

From: Whitney, Andrew L Civ USAF PACAF 374 CONS/CD [mailto:(b)(6)]  
Sent: Tuesday, March 22, 2011 11:51 AM  
To: Merchant, Ned; Harris, Jeffrey W CIV PACOM, J4; Young, Joseph M  
Cc: Hart, James V; Rogers, Ed; Rau, Carl; Albert, Craig; Hughes, Michael C (BNI OPS); Thomas, Eugene; Reilly, Brian (Power)  
Subject: RE: Train 2

Ned,

Copy--Train #2 staging is authorized.

Best regards,  
Andy

ANDREW L. WHITNEY, GS-13, DAF  
Director of Business Operations  
374th Contracting Squadron

Tell us how we're doing at:  
[https://ice.disa.mil/index.cfm?fa=card&service\\_provider\\_id=106409&site\\_id=97  
&service\\_category\\_id=14](https://ice.disa.mil/index.cfm?fa=card&service_provider_id=106409&site_id=97&service_category_id=14)

Access the 374 CONS SharePoint to view our customer education guide and other useful information.  
PACAF: <https://yokota.eim.pacaf.af.mil/374AW/374MSG/374CONS/default.aspx>  
Non PACAF:  
<https://yokotae.eim.pacaf.af.mil/374AW/374MSG/374CONS/default.aspx>

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

From: Merchant, Ned [mailto:cemercha@bechtel.com]  
Sent: Tuesday, March 22, 2011 11:45 AM  
To: Whitney, Andrew L Civ USAF PACAF 374 CONS/CD; Harris, Jeffrey W CIV PACOM, J4; Young, Joseph M  
Cc: Hart, James V; Rogers, Ed; Rau, Carl; Albert, Craig; Hughes, Michael C (BNI OPS); Thomas, Eugene; Reilly, Brian (Power)  
Subject: Train 2

Confirming our telecom this evening, Mr. Harris and Mr. Whitney have advised that the funding is approved and that Bechtel is authorized to proceed with the procurement of the train 2 equipment and material. The language will be included in the document between PACAF and Bechtel. Mr. Whitney and Mr. Rogers have the action.

Bechtel (James Hart) will release the suppliers and advise the forecast date that he expects to have all the equipment and material staged at RAAF Pearce. Bechtel will advise when the equipment and material is all there, and await further instructions with regard to shipment.

Mr. Young is requested to begin the process to obtain the commitment from the Australian military to transport this material to Yokota Air Base.

Best Regards, Ned

"Quality is not an act, it is a habit"

---

**From:** Cook, William  
**Sent:** Tuesday, March 22, 2011 10:12 PM  
**To:** Monninger, John; Dorman, Dan; Casto, Chuck  
**Subject:** FW: Summary of 22 MAR 1300 Telecom - Bechtel Water Cannon

FYI

From: Harris, Jeffrey W CIV PACOM, J4 (b)(6)  
Sent: Tuesday, March 22, 2011 8:15 PM  
To: Merchant, Ned; Gurwith, Nicola, , DSCA/PGM/HDM; Young, Joseph M; Cook, William; Clark, Ngoc CIV OSD POLICY; (b)(6); Carlson, Jay S Col USAF PACAF A7/A7K; Tokyo PolMil Unit; jvhart@bechtel.com; Rogers, Ed; Halvorsen, Diane,, DSCA/PGM/HDM; Goodrich, William J II CIV PACOM J05  
Cc: Pickett, Timothy LCDR PACOM, J46; Trevino, Luis CDR PACOM, J46  
Subject: FW: Summary of 22 MAR 1300 Telecom - Bechtel Water Cannon

FYI - Summary of TELECON

Jeffrey W. Harris  
PACOM Humanitarian Assistance Program Manager  
Commercial: (808) 477-7669; DSN: (315) 477-7669  
Fax: (808) 477-0944; DSN: (315) 477-0944  
Email: (b)(6)  
SIPRNET: (b)(6)

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

From: Harris, Jeffrey W CIV PACOM, J4  
Sent: Tuesday, March 22, 2011 14:10  
To: O'Connell, Kevin G BG PACOM, J4  
Cc: Trevino, Luis CDR PACOM, J46; Pickett, Timothy LCDR PACOM, J46; Scanlon, Katherine A COL PACOM, J46; Martin, Les CAPT PACOM, J40; Roark, Thomas E CIV J45; Vanderau, Bradley E LTC PACOM, J06  
Subject: Summary of 22 MAR 1300 Telecom - Bechtel Water Cannon

Sir,

Summary of conference call with US Embassy Japan, NRC, Bechtel, 374th CONS, Col Carlson PACAF A7, Brian Grana:

1) Contract Update: High confidence on both parties to sign the letter contract by Thursday morning JPT

2) First Bechtel Water Cannon

- TEPCO confident in Pump train concept / We expect to hear from TEPCO today JPT whether GOJ will accept
- Japanese Self Defense Force (JSDF) has operation control - TEPCO must receive JSDF approval - we will coordinate with LTC Weisz (J45) w/ JJS to ensure good communication

- COAs for transporting #1 to reactor site

- 1) JSDF tractor trailers (b)(5)

- 2) US purchased tractor trailers - 374th CONS is researching pricing today

- 3) US Military tractor trailers (b)(5)

3) Status #2 Bechtel Water Cannon

- Staging the 3 pumps and the majority of equipment for #2 at Perth
- Some piping is located in Melbourne and must be transported to Perth. This is on hold pending TEPCO decision on how they will configure, which would change the bill of materials

4) #s 3 & 4 Bechtel Water Cannons: Remain on hold for sourcing

5) RDML Gregory CEC, JTF 519 has been made project officer for Bechtel Water Cannon project

Sincerely,

Jeff

Jeffrey W. Harris

PACOM Humanitarian Assistance Program Manager

Commercial: (808) 477-7669; DSN: (315) 477-7669

Fax: (808) 477-0944; DSN: (315) 477-0944

Email: (b)(6)

SIPRNET: (b)(6)

---

**From:** Wall, Marc M <WallMM@state.gov>  
**Sent:** Tuesday, March 22, 2011 9:51 PM  
**To:** Duncan, Aleshia D; Young, Joseph M; Casto, Chuck; Monninger, John; Tong, Kurt W; Spurlock, Kenneth R (TDY/MDAO); Luke, Robert S; Dorman, Dan  
**Cc:** Cherry, Ronald C; Duncan, Aleshia  
**Subject:** RE: Write up of March 22 Cabinet Office Meeting #2

Alecia:

Thanks for these useful updates.

(b)(5)

Marc

SBU  
This email is UNCLASSIFIED.

---

**From:** Duncan, Aleshia D  
**Sent:** Wednesday, March 23, 2011 3:01 AM  
**To:** Young, Joseph M; Wall, Marc M; 'Chuck.Casto@nrc.gov'; 'John.Monninger@nrc.gov'; Tong, Kurt W; Spurlock, Kenneth R (TDY/MDAO); Luke, Robert S; 'Dan.Dorman@nrc.gov'  
**Cc:** Cherry, Ronald C; Duncan, Aleshia  
**Subject:** Write up of March 22 Cabinet Office Meeting #2

All-

Please comment/clear write up. Joe-please forward to USFJ. (FYI I received the photo cd, printed photos from the cd and schematics of the plant from the Japanese and handed to Dick DeVercelly.)

Please make sure to include Ron Cherry on your reply so that he can get this into the morning sitrep. Thank you.

(b)(5)

(b)(5)

This email is UNCLASSIFIED.

---

**From:** LIA03 Hoc  
**Sent:** Tuesday, March 22, 2011 8:50 PM  
**To:** Liaison Japan  
**Cc:** O'Donnell, John  
**Subject:** RE: Dosimeter Numbers

Dear Team – As a follow-up to our previous email, we only need the dosimeter numbers from the original team members in Japan, not the relief team arriving there over the next few days. As well, you can find your dosimeter number on the back of your dosimeter if you snap it out of its holder. There are two numbers on the back. Please send us both, as we are not sure which number the RSO is requesting.

Please let us know if you have any additional questions,  
NRC International Liaison Team

---

**From:** LIA03 Hoc  
**Sent:** Tuesday, March 22, 2011 7:56 PM  
**To:** Liaison Japan  
**Cc:** O'Donnell, John  
**Subject:** Dosimeter Numbers

Dear Team – When you get the chance, please email the International Liaison Team your dosimeter number. In our haste to get you out to Japan, we neglected to get that information from you and the RSO needs it for NRC records. In addition, if you are planning to stay past the end of March, please let us know, as we will need to get you a new dosimeter. The ones you have now are only for use during the second quarter.

Thank you for your help.  
The International Liaison Team



---

**From:** Dorman, Dan  
**Sent:** Tuesday, March 22, 2011 8:02 PM  
**To:** 'nei-hisanori@meti.go.jp'  
**Cc:** Foggie, Kirk; 'koyama-masaomi@meti.go.jp'; 'oshima-toshiyuki@meti.go.jp'; Monninger, John  
**Subject:** Re: Tentative schedule of today Hisanori Nei, NISA

Nei-san,

We are very grateful for the continuing communications and the opportunity to assist you in any way that we can.

I understand that we have arranged to meet at 1000 this morning. I regret that I will be in another meeting at that time but we will be sending several of our experts in hope that we can provide immediate assistance on many issues that you are working. The group that will visit you this morning will be led by John Monninger who is the Deputy Chief of Staff to NRC's Chairman.

We would like to propose that we establish a regular daily meeting to exchange information on developments of the previous day, review of priorities and establish actions for the coming day. We propose to meet each day at 1000 at NISA. We hope that this will enable us to each then use the afternoon to carry out our work before the meeting of the Cabinet office. We will await your reply to this proposal.

Best regards,  
Dan Dorman, NRC

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

**From:** nei-hisanori@meti.go.jp <nei-hisanori@meti.go.jp>  
**To:** Dorman, Dan  
**Cc:** Foggie, Kirk; koyama-masaomi@meti.go.jp <koyama-masaomi@meti.go.jp>; oshima-toshiyuki@meti.go.jp <oshima-toshiyuki@meti.go.jp>  
**Sent:** Tue Mar 22 19:08:21 2011  
**Subject:** Tentative schedule of today Hisanori Nei, NISA

Dear Mr. Dorman

I appreciate all of your support for us.

As we discuss yesterday, there are three area we need to discuss continuously.

A: Environmental Radioactive Monitoring-we will set up expert meeting after U.S. experts arrive later of this week.  
B:Analysis and evaluation for the accidents-we will set up expert meeting during the overlap period of U.S.team C:Mid-long term measures-we need to discuss how to discuss between experts.

I also think that if we need to discuss about Severe Accident Management Manual you provide at the meeting of Cabinet office, I can coordinate a meeting as Area B:

Therefore, tentative schedule of today would be as follows:

Anytime of A.M. We could meet at my office to follow up.

20:00 the meeting of Cabinet office

Again , thank you for your cooperation.

Best Regards,  
Hisanori Nei, NISA

---

**From:** Tong, Kurt W <TongKW@state.gov>  
**Sent:** Tuesday, March 22, 2011 7:57 PM  
**To:** zTask Force 1 Mailbox; Deming, Rust M  
**Cc:** TaskForce-1 - Japan; Zumwalt, James P; Donovan, Joseph R; Patel, Nirav S; Loi, James L; Dresser, Heather L (EAP/J); PM-ActionTeam; JapanEmbassy, TaskForce; Casto, Chuck; Monninger, John  
**Subject:** Re: KMAX Helicopter Update

+ Tokyo task force and NRC Tokyo

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

**From:** zTask Force 1 Mailbox  
**Sent:** Tuesday, March 22, 2011 07:45 PM  
**To:** Deming, Rust M  
**Cc:** TaskForce-1 - Japan; Zumwalt, James P; Tong, Kurt W; Donovan, Joseph R; Patel, Nirav S; Loi, James L; Dresser, Heather L (EAP/J); PM-ActionTeam  
**Subject:** KMAX Helicopter Update

Rust,

The GOJ gave final approval for deployment of KMAX helicopter to Japan. The KMAX team plans to depart from Westover AB, Mass tonight via C5 transport -- earliest departure would be 8pm. Lockheed Martin plans to take a contingent of 24 Lockheed Martin/ Kaman Corp technicians along with the helicopter to support the operation and hit the ground running. No licensing from DTC was needed.

Ngana Andrew-Mziray  
PM Rep  
TF01

This email is UNCLASSIFIED-----Original Message-----

**From:** Schofield, Mark A CIV NAVAIR, PMA 266 [mailto: (b)(6)]  
**Sent:** Monday, March 21, 2011 9:11 AM  
**To:** Picon, Manuel CDR NAVAIR, 4.1; Pratson, Eric N CIV 1.3.4.9, PMA266; Laray, William R CAPT NAVAIR; kevin.petrosky@lmco.com; Maloney, Kevin; Osburn, Van CIV PMA-266, Patuxent River; roger.ilgrande@lmco.co  
**Subject:** KMAX Japan Deployment

Good Morning:

Based upon our export meeting on Sunday we have concluded the following:

1. LM KMAX personnel will be working directly for the USG via a contract to provide services for the Japanese government.
2. Equipment will be transfer via government transportation (C-5).
3. Lockheed Martin (LM) will provide PMA-266 draft letter for signature. The letter provide export licensing coverage and exemption under ITAR 126.4c for LM. Once in receipt PMA-266 will provide signed letter back to LM. Roger I do not have Frank's email address can you please forward on to Frank?

V/R

Mark Schofield  
Navy and Marine Corps Multi-Mission  
Tactical UAS Program Office (PMA-266)

22707 Cedar Point Rd, Bldg 3261  
Patuxent River, MD 20670-1547  
Tel: (301) 863-0191 x336  
Cell: (b)(6)

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

From: Dahlberg, Gregory [mailto:gregory.dahlberg@lmco.com]  
Sent: Tuesday, March 22, 2011 12:48 PM  
To: TaskForce-1 - Japan  
Subject: ATTN Mr.Maher: KMAX Helicopter Update

Mr. Maher: although you probably know all of this, just want to make sure you are aware that GOJ gave final approval for deployment of KMAX helicopter to Japan. The KMAX team plans to depart from Westover AB, Mass tonight via C5 transport -- earliest departure would be 8pm.

We plan to take a contingent of 24 Lockheed Martin/ Kaman Corp technicians along with the helicopter to support the operation and hit the ground running. We have had a few hiccups renewing 2 or 3 passports on expedited timeframe, but I believe arrangements are now in place to get that done in CT today. We have our most experienced people going in on this.

Mission planning has gone extremely well to date, a special camera has been procured, installed and tested, and detailed pre-planning of CONOPs has taken place all weekend, updating maps and routes for radiation hot spots, etc; so they should be able to get up and running quickly.

We will continue to follow this closely and offer any corporate support the USG may need as this mission continues.

Greg Dahlberg  
Lockheed Martin Corporation

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

From: CMS TaskForce1C - Coordinator <1TFC@state.gov>  
To: JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>

(b)(6)

(b)(6)

Cc: Tong, Kurt W <TongKW@state.gov>; Zumwalt, James P <ZumwaltJP@state.gov>; Dahlberg, Gregory; zTask Force 1 Mailbox <TaskForce1Mailbox@state.gov>  
Sent: Sat Mar 19 01:11:16 2011  
Subject: EXTERNAL: KMAX remote control heavy lift Helicopter per NRC request

Embassy Tokyo task force:

I've been in contact with Lockheed Martin headquarters here with respect to getting the Lockheed Martin remote controlled heavy lift helicopter to Japan for use in the operation at Fukushima Daiichi. NRC rep in Tokyo told us on the March 18 2130 EDT conference call this would be extremely useful for the operation being planned for getting water on the units at Fukushima Daiichi.

Please see email chain below. Greg Dahlberger, Senior VP for Government Relations at Lockheed Martin, passed this email chain to me, which has contact information for Navy personnel who we believe have been working this issue already with PACOM and Navair.

Mr. Dahlberg told me Lockheed stands ready to assist.

Please confirm if this is being worked in Navy channels so that we do not duplicate effort. Task Force-1 stands ready to assist on our end as well, but we want this to be done as efficiently as possible so that we don't get in the way by creating a separate channel. My understanding from NRC comments on the conference call is that we need to get this vital piece of equipment to the site in Japan asap.

Thanks to all concerned, particularly Lockheed Martin.

Kevin Maher  
Task Force-1 Coordinator

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

From: Dahlberg, Gregory [mailto:gregory.dahlberg@lmco.com]  
Sent: Saturday, March 19, 2011 12:24 AM  
To: TaskForce-1  
Subject: For Meher: KMAX Helicopter

Mr. Meher: as discussed, the KMAX remote controlled, unmanned helicopter is currently being tested and evaluated by the Navy Air Systems Command (NAVAIR) in Patuxent River. MD. It is an unmanned helo used for logging operations and idea has been to develop it for resupply of contested Marine Corps forward operating bases in Afghanistan where it is too dangerous for manned operation.

There has been quite a bit of traffic over last few days about the applicability of KMAX to the Japan nuclear mission, and we were told earlier tonight that PACOM had given the green light to ship the helo to Japan. My understanding was that the Navy is planning to move out on this shipment tomorrow.

Below is an email trail from our Lockheed Martin KMAX program manager that provides the Navy contact and details of the Navy plan as we know it. Hopefully, this will help get you on the same page.

We believe Capt Dunigan at NAVAIR knows the specific capabilities of this helicopter and can be of immense value to you to plan an KMAX mission to help out in Japan. We believe it is essential that the helicopter be accompanied by the most experienced team of operators, and Cpt Dunigan is aware of who those people are. Also, there may be a need to install electro-optical "eyes" to this helicopter, and that plan has been in work for several days as a contingency in case this helicopter was needed -- so that should be a piece of this logistical plan as well that we hope is doable. Again, Cpt Dunigan is aware and up to speed.

You have Lockheed Martin's commitment that we will do whatever we can to help you with this difficult problem. Pls do not hesitate to contact me, and I will get you the right people in our corporation to help asap.

If you need to go to our front line person who knows the most about the KMAX helicopter and works directly with NAVAIR, his name is DAN SPOOR, Vice President for Program Management (b)(6) (cell); 607-751-6001 (office); dan.spoor@lmco.com. Dan is aware of your interest.

Good luck.  
Greg Dahlberg  
Senior Vice President,  
Washington Operations,  
Lockheed Martin Corporation  
(b)(6) (cell)  
703-413-5601 (office).

Here is detailed email trail with appropriate contact points:

"Greg, USN contact in PMA 266 is Captain Dunigan. Captain Dunigan's email address is [redacted (b)(6)]  
Contact numbers: 301-757-9020 [redacted (b)(6)]. I attached the email from Dunigan that includes the list of other USG  
people involved in the effort. I will drop Tim a note that he should expect a call from the State Dept.  
DAN

-----  
Sent from my BlackBerry Wireless Handheld

----- Original Message -----  
From: Ilgrande, Roger  
To: 'sorrell@sandia.gov' <sorrell@sandia.gov>  
Cc: Lowenstein, Amy; Spoor, Dan  
Sent: Fri Mar 18 21:21:43 2011  
Subject: Fw: EXTERNAL: KMAX Japan Deployment Planning Meeting

Andrew, per our discussion today, we have now been given go ahead to begin prep to deploy kmax into Japan.

There is a 230 ET call with Navy tomorrow to discuss the many items associated with personnel safety in this environment. Please plan to participate in this call. Also pls consider what questions you have that we should have answered in order to allow mgmt to give green light to discuss this with personnel who will deploy. I would like to have your questions sent to me prior to our call and preference is by 1PM ET... I recognize the time difference makes that hard.. I will call you during late morning ET to discuss this matter..Roger

-----  
Sent from remote location

----- Original Message -----  
From: Dunigan, Tim CAPT PMA-266 [redacted (b)(6)]  
To: [redacted (b)(6)]  
[redacted (b)(6)]  
Sent: Fri Mar 18 20:28:43 2011  
Subject: EXTERNAL: KMAX Japan Deployment Planning Meeting

All,

Below is some amplifying information but the bottom line is PACOM wants to proceed with the KMAX deployment to Japan. In order to support that there will be a planning TELECON tomorrow 1430 local. I would like to get my program office to come into the office to support this call. We will use the call in number below for PACOM, PACFLT, LMCO and the program office folks who cannot make it in.

Call In: 1-866-266-3378  
Conference ID: [redacted (b)(6)]#  
Guest Number: [redacted (b)(6)]#

SBU  
This email is UNCLASSIFIED.

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**From:** Bubar, Patrice  
**Sent:** Tuesday, March 22, 2011 7:26 PM  
**To:** Wright, Darlene; Baggett, Steven; Bates, Andrew; Batkin, Joshua; Baval, Rochelle; Blake, Kathleen; Bozin, Sunny; Bradford, Anna; Bupp, Margaret; Burns, Stephen; Chairman Temp; Clark, Lisa; Coggins, Angela; Cordes, John; Crawford, Carrie; Davis, Roger; Fopma, Melody; Franovich, Mike; Gibbs, Catina; Hackett, Edwin; Hart, Ken; Harves, Carolyn; Henderson, Karen; Herr, Linda; Hipschman, Thomas; Hudson, Sharon; Joosten, Sandy; KLS Temp; Kock, Andrea; Laufer, Richard; Lepre, Janet; Loyd, Susan; Mamish, Nader; Marshall, Michael; Monninger, John; Moore, Scott; Orders, William; Pace, Patti; Poole, Brooke; Reddick, Darani; RidsEdoDraftSrmVote Resource; Rothschild, Trip; Savoy, Carmel; Sharkey, Jeffry; Shea, Pamela; Snodderly, Michael; Sosa, Belkys; Speiser, Herald; Svinicki, Kristine; Temp, GEA; Temp, WCO; Temp, WDM; Thoma, John; Vietti-Cook, Annette; Warren, Roberta; Zorn, Jason; Tadesse, Rebecca; Joosten, Sandy; Castleman, Patrick; Montes, David; Dhir, Neha; Adler, James; Jimenez, Patricia; Muessle, Mary; Nieh, Ho; Ostendorff, William; Warnick, Greg; Apostolakis, George; Pearson, Laura; Lui, Christiana; Lisann, Elizabeth  
**Cc:** Lewis, Antoinette  
**Subject:** RE: DRAFT SRM - COMGBJ-11-0002 (NRC Actions Following the Events in Japan)  
**Attachments:** WDM FINALdraft gbj11-0002 srm.docx

(b)(5)

Patty Bubar  
Chief of Staff  
Office of Commissioner William D. Magwood  
U.S. Nuclear Regulatory Commission  
301-415-1895

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**From:** Wright, Darlene  
**Sent:** Tuesday, March 22, 2011 1:19 PM  
**To:** Baggett, Steven; Bates, Andrew; Batkin, Joshua; Baval, Rochelle; Blake, Kathleen; Bozin, Sunny; Bradford, Anna;



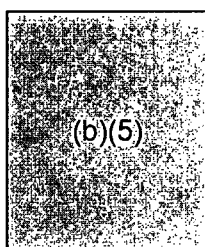
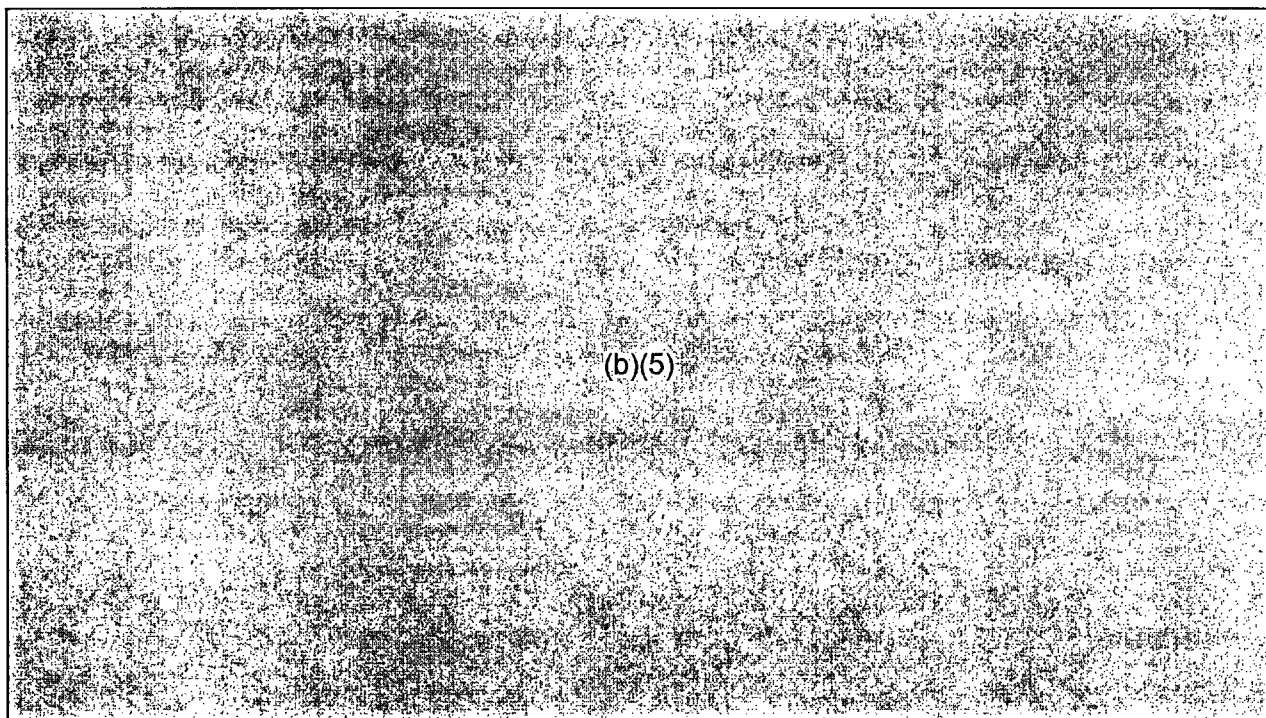
Bubar, Patrice; Bupp, Margaret; Burns, Stephen; Chairman Temp; Clark, Lisa; Coggins, Angela; Cordes, John; Crawford, Carrie; Davis, Roger; Fopma, Melody; Franovich, Mike; Gibbs, Catina; Hackett, Edwin; Hart, Ken; Harves, Carolyn; Henderson, Karen; Herr, Linda; Hipschman, Thomas; Hudson, Sharon; Joosten, Sandy; KLS Temp; Kock, Andrea; Laufer, Richard; Lepre, Janet; Loyd, Susan; Mamish, Nader; Marshall, Michael; Monninger, John; Moore, Scott; Orders, William; Pace, Patti; Poole, Brooke; Reddick, Darani; RidsEdoDraftSrmVote Resource; Rothschild, Trip; Savoy, Carmel; Sharkey, Jeffrey; Shea, Pamela; Snodderly, Michael; Sosa, Belkys; Speiser, Herald; Svinicki, Kristine; Temp, GEA; Temp, WCO; Temp, WDM; Thoma, John; Vietti-Cook, Annette; Warren, Roberta; Zorn, Jason; Tadesse, Rebecca; Joosten, Sandy; Castleman, Patrick; Montes, David; Dhir, Neha; Adler, James; Jimenez, Patricia; Muessle, Mary; Nieh, Ho; Ostendorff, William; Warnick, Greg; Apostolakis, George; Pearson, Laura; Lui, Christiana; Lisann, Elizabeth

**Cc:** Lewis, Antoinette

**Subject:** DRAFT SRM - COMGBJ-11-0002 (NRC Actions Following the Events in Japan)

**Importance:** High

The attached file contains a draft SRM which is being circulated for Commission review. Your response is requested as soon as practical today. As provided in the Internal Commission Procedures, the staff is "...afforded an opportunity to review the SRM to ensure that the Commission decision is clear and understandable and that resource, schedular, and legal constraints are properly considered." Please provide any responses to Ken Hart (KRH), Richard Laufer (RJL), Rochelle Baval (RCB5), and Pam Shea (PWS).



(b)(5)

(b)(5)

(b)(5)

cc: Chairman Jaczko  
Commissioner Svinicki  
Commissioner Apostolakis  
Commissioner Magwood  
Commissioner Ostendorff  
OGC  
CFO

OCA  
OPA  
Office Directors, Regions, ACRS, ASLBP (via E-Mail)  
PDR

(b)(5)

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**From:** Cook, William  
**Sent:** Tuesday, March 22, 2011 6:55 PM  
**To:** Monninger, John  
**Subject:** FW: Sincerest Gratitude

fyi

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**From:** Cook, William  
**Sent:** Tuesday, March 22, 2011 11:21 AM  
**To:** Cook, William  
**Subject:** FW: Sincerest Gratitude

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**From:** Cook, William  
**Sent:** Tuesday, March 22, 2011 11:20 AM  
**To:** youngjm@state.gov; lukeRS@state.gov  
**Cc:** zumwaltjp@state.gov  
**Subject:** Sincerest Gratitude

Rob and Joe,

(b)(5)

(b)(5)

Regards,  
Bill



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**From:** Miller, Chris  
**Sent:** Tuesday, March 22, 2011 6:53 PM  
**To:** Hannah, Roger  
**Cc:** Monninger, John; LIA08 Hoc  
**Subject:** FW: Media Contact

Roger,  
Please coordinate this with Bechtel via Embassy. I understand OPA will be involved.  
thx  
chris

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

**From:** OST02 HOC  
**Sent:** Tuesday, March 22, 2011 6:36 PM  
**To:** Wiggins, Jim; Miller, Chris; Holahan, Patricia  
**Subject:** FW: Media Contact

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

**From:** LIA08 Hoc  
**Sent:** Tuesday, March 22, 2011 6:24 PM  
**To:** OST01 HOC; OST02 HOC  
**Subject:** FW: Media Contact

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

**From:** Monninger, John  
**Sent:** Tuesday, March 22, 2011 6:17 PM  
**To:** Weber, Michael; LIA02 Hoc; RST01 Hoc; LIA03 Hoc  
**Cc:** Casto, Chuck; Dorman, Dan; 'YoungJM@state.gov'; Cook, William  
**Subject:** Fw: Media Contact

ET

See below regarding interest in US/NRC/INPO/Bechtel activities in Australia. Do you want coordinated response with NRC OPA with the Embassy here?

John M

John Monninger

(b)(6)

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

**From:** Rogers, Ed <CEROGER1@Bechtel.com>  
**To:** Young, Joseph M <YoungJM@state.gov>; Merchant, Ned <cemercha@bechtel.com>; (b)(6)  
(b)(6); Monninger, John

Cc: Thomas, Eugene <ewthomas@bechtel.com>; Cook, William;

(b)(6)

(b)(6)

>; Daw, Martyn <mndaw@bechtel.com>

Sent: Tue Mar 22 14:46:47 2011

Subject: Media Contact

Joe, I am sending this to you because I am not sure who to reach out to on the following request. That said, anyone on the distribution can answer.

Our folks in Australia have apparently been contacted by several media sources (they used the words inundated) making inquiries on the work we are doing for you all. We would appreciate an appropriate media contact to forward these calls too.

Please let me know soonest.

Ed Rogers

Office (240) 379-3179

Cell (b)(6)

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**From:** LIA07 Hoc  
**Sent:** Tuesday, March 22, 2011 6:13 PM  
**To:** Liaison Japan  
**Subject:** 1800 EDT, March 22, 2011 Status Update  
**Attachments:** USNRC Earthquake-Tsunami Update.032211.1800EDT.docx

Attached, please find the latest status update for your reference.  
Please let me know if you have any changes that should be made for the next issue at 0600 EDT on March 23.  
Thank you,  
Sara

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**From:** Bradford, Anna  
**Sent:** Tuesday, March 22, 2011 3:06 PM  
**To:** Adler, James  
**Cc:** Monninger, John  
**Subject:** RE: staff meetings

Yes, I think you can take a break from the bi-weekly staff meetings. If you start to feel signs of withdrawal or depression, then feel free to attend one at any time, kind of like an AA meeting.

Anna Bradford  
Policy Advisor for Nuclear Materials  
Office of Chairman Jaczko  
U.S. Nuclear Regulatory Commission  
301-415-1827

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**From:** Adler, James  
**Sent:** Tuesday, March 22, 2011 3:00 PM  
**To:** Bradford, Anna  
**Subject:** staff meetings

Anna:

Should I take a break from attending the bi-weekly staff meetings at this point, with the Internal Commission Procedures SRM process potentially heading into a dormant mode due to the Japan events? The Chairman, at least, speculated that it may be a while before other Commissioners start moving again on the ICPs, and I gather he's not inclined to be the initiator on that front.

The main downside for me would be that my OGC division has only one staff meeting per month, so there would be a substantial staff meeting void in my life that would largely go unfilled. But I'm sure there are upsides too.

Anyway, please advise.

Thanks,

James

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**Subject:** Copy: BRIEFING ON TASK FORCE REVIEW (60-DAY STATUS) FOLLOWING THE EVENTS  
IN JAPAN (Public Meeting)

**Location:** OWFN 1st FI Conf Rm

**Start:** Thu 6/16/2011 9:30 AM

**End:** Thu 6/16/2011 11:30 AM

**Recurrence:** (none)

**Meeting Status:** Not yet responded

**Organizer:** CommissionCalendar Resource

**Required Attendees:** Apostolakis, George; Ash, Darren; Blake, Kathleen; Borchardt, Bill; Bozin, Sunny; Bubar, Patrice; Burns, Stephen; Cianci, Sandra; Commission\_Hearing\_Room; Crawford, Carrie; Franovich, Mike; GBJGroupCalendar Resource; GEA\_Daily\_Cal Resource; GEA\_Staff\_Daily Resource; Harves, Carolyn; Hasan, Nasreen; Hayden, Elizabeth; Herr, Linda; Jaczko, Gregory; Joosten, Sandy; Kock, Andrea; Lepre, Janet; Muesle, Mary; Nieh, Ho; Pulley, Deborah; Sharkey, Jeffrey; Svinicki, Kristine; Taylor, Renee; Temp, WCO; Temp, WDM; Vietti-Cook, Annette; Virgilio, Martin; Weber, Michael

When: Thursday, June 16, 2011 9:30 AM-11:30 AM (GMT-05:00) Eastern Time (US & Canada).

Where: OWFN 1st FI Conf Rm

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

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**Subject:** Copy: BRIEFING ON TASK FORCE REVIEW (60-DAY STATUS) FOLLOWING THE EVENTS IN JAPAN (Public Meeting)  
**Location:** OWFN 1st Fl Conf Rm  
**Start:** Wed 6/15/2011 9:30 AM  
**End:** Wed 6/15/2011 11:30 AM  
**Recurrence:** (none)  
**Meeting Status:** Not yet responded  
**Organizer:** CommissionCalendar Resource  
**Required Attendees:** Apostolakis, George; Ash, Darren; Blake, Kathleen; Borchardt, Bill; Bozin, Sunny; Bubar, Patrice; Burns, Stephen; Cianci, Sandra; Commission\_Hearing\_Room; Crawford, Carrie; Franovich, Mike; GBJGroupCalendar Resource; GEA\_Daily\_Cal Resource; GEA\_Staff\_Daily Resource; Harves, Carolyn; Hasan, Nasreen; Hayden, Elizabeth; Herr, Linda; Jaczko, Gregory; Joosten, Sandy; Kock, Andrea; Lepre, Janet; Muessle, Mary; Nieh, Ho; Pulley, Deborah; Sharkey, Jeffry; Svinicki, Kristine; Taylor, Renee; Temp, WCO; Temp, WDM; Vietti-Cook, Annette; Virgilio, Martin; Weber, Michael  
**Optional Attendees:** Gilles, Nanette

When: Wednesday, June 15, 2011 9:30 AM-11:30 AM (GMT-05:00) Eastern Time (US & Canada).  
Where: OWFN 1st Fl Conf Rm

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

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**Subject:** Copy: BRIEFING ON TASK FORCE REVIEW (30-DAY STATUS) FOLLOWING THE EVENTS IN JAPAN (Public Meeting)  
**Location:** OWFN 1st Fl Conf Rm  
**Start:** Thu 5/12/2011 9:30 AM  
**End:** Thu 5/12/2011 11:30 AM  
**Recurrence:** (none)  
**Meeting Status:** Not yet responded  
**Organizer:** CommissionCalendar Resource  
**Required Attendees:** Apostolakis, George; Ash, Darren; Blake, Kathleen; Borchardt, Bill; Bozin, Sunny; Bubar, Patrice; Burns, Stephen; Cianci, Sandra; Commission\_Hearing\_Room; Crawford, Carrie; Franovich, Mike; GBJGroupCalendar Resource; GEA\_Daily\_Cal Resource; GEA\_Staff\_Daily Resource; Harves, Carolyn; Hasan, Nasreen; Hayden, Elizabeth; Herr, Linda; Jaczko, Gregory; Joosten, Sandy; Kock, Andrea; Lepre, Janet; Muesle, Mary; Nieh, Ho; Pulley, Deborah; Sharkey, Jeffrey; Svinicki, Kristine; Taylor, Renee; Temp, WCO; Temp, WDM; Vietti-Cook, Annette; Virgilio, Martin; Weber, Michael

When: Thursday, May 12, 2011 9:30 AM-11:30 AM (GMT-05:00) Eastern Time (US & Canada).  
Where: OWFN 1st Fl Conf Rm

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

\*~\*~\*~\*~\*~\*~\*~\*~\*~\*

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**Subject:** Copy: BRIEFING ON THE STATUS OF NRC RESPONSE TO EVENTS IN JAPAN AND BRIEFING ON STATION BLACKOUT (Public Meeting)  
**Location:** OWFN 1st FI Conf Rm  
**Start:** Thu 4/28/2011 9:30 AM  
**End:** Thu 4/28/2011 11:30 AM  
**Show Time As:** Free  
**Recurrence:** (none)  
**Meeting Status:** Not yet responded  
**Organizer:** CommissionCalendar Resource  
**Required Attendees:** Apostolakis, George; Ash, Darren; Blake, Kathleen; Borchardt, Bill; Bozin, Sunny; Bubar, Patrice; Burns, Stephen; Cianci, Sandra; Commission\_Hearing\_Room; Crawford, Carrie; Franovich, Mike; GBJGroupCalendar Resource; GEA\_Daily\_Cal Resource; GEA\_Staff\_Daily Resource; Harves, Carolyn; Hasan, Nasreen; Hayden, Elizabeth; Herr, Linda; Jaczko, Gregory; Joosten, Sandy; Kock, Andrea; Lepre, Janet; Muesle, Mary; Nieh, Ho; Pulley, Deborah; Sharkey, Jeffry; Svinicki, Kristine; Taylor, Renee; Temp, WCO; Temp, WDM; Vietti-Cook, Annette; Virgilio, Martin; Weber, Michael

When: Thursday, April 28, 2011 9:30 AM-11:30 AM (GMT-05:00) Eastern Time (US & Canada).  
Where: OWFN 1st FI Conf Rm

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

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**From:** Lepre, Janet  
**Sent:** Tuesday, March 22, 2011 9:32 AM  
**To:** Wright, Darlene; Baggett, Steven; Batkin, Joshua; Blake, Kathleen; Bozin, Sunny; Bradford, Anna; Bubar, Patrice; Bupp, Margaret; Chairman Temp; Clark, Lisa; Coggins, Angela; Cordes, John; Crawford, Carrie; Davis, Roger; Fopma, Melody; Franovich, Mike; Gibbs, Catina; Hart, Ken; Harves, Carolyn; Herr, Linda; Hipschman, Thomas; KLS Temp; Kock, Andrea; Loyd, Susan; Mamish, Nader; Marshall, Michael; Monninger, John; Orders, William; Pace, Patti; Poole, Brooke; Reddick, Darani; Laufer, Richard; Baval, Rochelle; Rothschild, Trip; Savoy, Carmel; Sharkey, Jeffry; Shea, Pamela; Snodderly, Michael; Sosa, Belkys; Speiser, Herald; Svinicki, Kristine; Temp, WCO; Temp, WDM; Thoma, John; Warren, Roberta; Zorn, Jason; Apostolakis, George; Temp, GEA; Tadesse, Rebecca; Castleman, Patrick; Montes, David; Dhir, Neha; Adler, James; Jimenez, Patricia; Muessle, Mary; Nieh, Ho; Ostendorff, William; Warnick, Greg; Pearson, Laura; Lui, Christiana; Lisann, Elizabeth  
**Cc:** Lewis, Antoinette  
**Subject:** Commissioner Svinicki's Vote for COMGBJ-11-0002 (NRC Actions Following the Events in Japan)  
**Attachments:** (b)(5)

(b)(5)

(b)(5)

**Commissioner Svinicki's Comments on COMGBJ-11-0002  
NRC Actions Following the Events in Japan**

(b)(5)

(b)(5)

(b)(5)

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**From:** Gibbs, Catina  
**Sent:** Tuesday, March 22, 2011 9:21 AM  
**To:** Monninger, John  
**Subject:** Out of Office: New approver request - etravel

I will be out of the office on 3/18-3/28/11. if you need assistance, please contact patti pace or herald speiser at 301-415-1750.

Thanks,

Catina Gibbs  
administrative assistant to  
chairman gregory b. jaczko  
u.s. Nuclear regulatory commission

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**From:** Blake, Kathleen  
**Sent:** Tuesday, March 22, 2011 9:08 AM  
**To:** Wright, Darlene; Baggett, Steven; Batkin, Joshua; Bozin, Sunny; Bradford, Anna; Bubar, Patrice; Bupp, Margaret; Chairman Temp; Clark, Lisa; Coggins, Angela; Cordes, John; Crawford, Carrie; Davis, Roger; Fopma, Melody; Franovich, Mike; Gibbs, Catina; Hart, Ken; Harves, Carolyn; Herr, Linda; Hipschman, Thomas; KLS Temp; Kock, Andrea; Lepre, Janet; Loyd, Susan; Mamish, Nader; Marshall, Michael; Monninger, John; Orders, William; Pace, Patti; Poole, Brooke; Reddick, Darani; Laufer, Richard; Baval, Rochelle; Rothschild, Trip; Savoy, Carmel; Sharkey, Jeffrey; Shea, Pamela; Snodderly, Michael; Sosa, Belkys; Speiser, Herald; Svinicki, Kristine; Temp, WCO; Temp, WDM; Thoma, John; Warren, Roberta; Zorn, Jason; Apostolakis, George; Temp, GEA; Tadesse, Rebecca; Castleman, Patrick; Montes, David; Dhir, Neha; Adler, James; Jimenez, Patricia; Muessle, Mary; Nieh, Ho; Ostendorff, William; Warnick, Greg; Pearson, Laura; Lui, Christiana; Lisann, Elizabeth  
**Cc:** Lewis, Antoinette  
**Subject:** Commissioner Apostolakis' vote for COMGBJ-11-0002 (NRC Actions Following the Events in Japan)  
**Attachments:** GEA-cmt-CmGBJ11-0002.pdf

(b)(5)

(b)(5)



(b)(5)

(b)(5)

---

**From:** Merchant, Ned <cemercha@bechtel.com>  
**Sent:** Tuesday, March 22, 2011 8:13 AM  
**To:** Merchant, Ned; Young, Joseph M; Whitney, Andrew L Civ USAF PACAF 374 CONS/CD; Harris, Jeffrey W CIV PACOM, J4; Monninger, John; Napier, Bradford  
**Cc:** Hart, James V; Rogers, Ed; Rau, Carl; Albert, Craig; Hughes, Michael C (BNI OPS); Thomas, Eugene; Reilly, Brian (Power); Cook, William; [redacted] (b)(6); [redacted] (b)(6); Hackman, Michael R LtCol USAF PACAF 374 CONS/CC  
**Subject:** RE: Train 1

Joe,

One additional clarification, is that the cost of transport from Pearce AFB to Yokota is not in our numbers.

Best Regards, Ned  
"Quality is not an act, it is a habit"

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

**From:** Merchant, Ned  
**Sent:** Tuesday, March 22, 2011 6:48 AM  
**To:** Young, Joseph M; Whitney, Andrew L Civ USAF PACAF 374 CONS/CD; Harris, Jeffrey W CIV PACOM, J4; john.monninger@nrc.gov; Napier, Bradford  
**Cc:** Hart, James V; Rogers, Ed; Rau, Carl; Albert, Craig; Hughes, Michael C (BNI OPS); Thomas, Eugene; Reilly, Brian (Power); Cook, William; [redacted] (b)(6); Hackman, Michael R LtCol USAF PACAF 374 CONS/CC  
**Subject:** RE: Train 1

Joe,

The cost of the equipment is delivered to Yokota AB. Any transportation costs to offload, store, and deliver to the site are not included in our numbers.

Best Regards, Ned  
"Quality is not an act, it is a habit"

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

**From:** Young, Joseph M [mailto:YoungJM@state.gov]  
**Sent:** Tuesday, March 22, 2011 5:17 AM  
**To:** Whitney, Andrew L Civ USAF PACAF 374 CONS/CD; Merchant, Ned; Harris, Jeffrey W CIV PACOM, J4; john.monninger@nrc.gov; Napier, Bradford  
**Cc:** Hart, James V; Rogers, Ed; Rau, Carl; Albert, Craig; Hughes, Michael C (BNI OPS); Thomas, Eugene; Reilly, Brian (Power); Cook, William; [redacted] (b)(6); Hackman, Michael R LtCol USAF PACAF 374 CONS/CC  
**Subject:** RE: Train 1

Thanks very much, Andrew. Our NRC team is examining the Bechtel equipment at Yokota as we speak. It would be great if someone could give me confirmation that transportation expenses are included in the Bechtel contract, as you believe.

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

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

From: Whitney, Andrew L Civ USAF PACAF 374 CONS/CD [mailto: [\(b\)\(6\)](mailto:(b)(6)@374CONS/CD)]  
Sent: Tuesday, March 22, 2011 7:09 PM  
To: Young, Joseph M; Merchant, Ned; Harris, Jeffrey W CIV PACOM, J4; john.monninger@nrc.gov  
Cc: Hart, James V; Rogers, Ed; Rau, Carl; Albert, Craig; Hughes, Michael C (BNI OPS); Thomas, Eugene; Reilly, Brian (Power); Cook, William;  [\(b\)\(6\)](mailto:(b)(6)@374CONS/CD); Hackman, Michael R LtCol USAF PACAF 374 CONS/CC  
Subject: RE: Train 1

Mr Young,

We are working to finalize the letter contract with a cost ceiling that forms the contact relationship--not a finalized contract. To date, the requirement is the Train #1 equipment that arrived at Yokota and the 3 technicians. We also ordered the staging of equipment for Train #2. My understanding is transportation and/or trailers are included.

Best regards,  
Andy

ANDREW L. WHITNEY, GS-13, DAF  
Director of Business Operations  
374th Contracting Squadron

Tell us how we're doing at:  
[https://ice.disa.mil/index.cfm?fa=card&service\\_provider\\_id=106409&site\\_id=97  
&service\\_category\\_id=14](https://ice.disa.mil/index.cfm?fa=card&service_provider_id=106409&site_id=97&service_category_id=14)

Access the 374 CONS SharePoint to view our customer education guide and other useful information.

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Non PACAF:

[https://\(b\)\(6\)/374AW/374MSG/374CONS/default.aspx](https://(b)(6)/374AW/374MSG/374CONS/default.aspx)

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

From: Young, Joseph M [mailto:YoungJM@state.gov]  
Sent: Tuesday, March 22, 2011 5:10 PM  
To: Whitney, Andrew L Civ USAF PACAF 374 CONS/CD; Merchant, Ned; Harris, Jeffrey W CIV PACOM, J4; john.monninger@nrc.gov  
Cc: Hart, James V; Rogers, Ed; Rau, Carl; Albert, Craig; Hughes, Michael C (BNI OPS); Thomas, Eugene; Reilly, Brian (Power); Cook, William;  [\(b\)\(6\)](mailto:(b)(6)@374CONS/CD)  
Subject: RE: Train 1

Andrew/Ned: Was hoping you could help me on an important question. I thought I had heard previously that the contract for the first train covered transportation to the place of usage. More specifically, I had the impression that the trailers needed for transport would be covered.

TEPCO asked us today if they would have to transport the equipment at their own expense, which will be a factor in whether/when they can use.

Could you clarify for me where we stand on transportation costs? If the trailers are covered, would TEPCO have to hire trucks to pull them?

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

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

From: Whitney, Andrew L Civ USAF PACAF 374 CONS/CD [mailto:(b)(6)]

Sent: Tuesday, March 22, 2011 11:51 AM

To: Merchant, Ned; Harris, Jeffrey W CIV PACOM, J4; Young, Joseph M

Cc: Hart, James V; Rogers, Ed; Rau, Carl; Albert, Craig; Hughes, Michael C (BNI OPS); Thomas, Eugene; Reilly, Brian (Power)

Subject: RE: Train 2

Ned,

Copy--Train #2 staging is authorized.

Best regards,  
Andy

ANDREW L. WHITNEY, GS-13, DAF  
Director of Business Operations  
374th Contracting Squadron

Tell us how we're doing at:

[https://ice.disa.mil/index.cfm?fa=card&service\\_provider\\_id=106409&site\\_id=97](https://ice.disa.mil/index.cfm?fa=card&service_provider_id=106409&site_id=97)

[&service\\_category\\_id=14](#)

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PACAF: [\(b\)\(6\)/374AW/374MSG/374CONS/default.aspx">https://\(b\)\(6\)/374AW/374MSG/374CONS/default.aspx](https://<span style=)

Non PACAF:

[\(b\)\(6\)/374AW/374MSG/374CONS/default.aspx">https://\(b\)\(6\)/374AW/374MSG/374CONS/default.aspx](https://<span style=)

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

From: Merchant, Ned [mailto:[cemercha@bechtel.com](mailto:cemercha@bechtel.com)]

Sent: Tuesday, March 22, 2011 11:45 AM

To: Whitney, Andrew L Civ USAF PACAF 374 CONS/CD; Harris, Jeffrey W CIV PACOM, J4; Young, Joseph M

Cc: Hart, James V; Rogers, Ed; Rau, Carl; Albert, Craig; Hughes, Michael C (BNI OPS); Thomas, Eugene; Reilly, Brian (Power)

Subject: Train 2

Confirming our telecom this evening, Mr. Harris and Mr. Whitney have advised that the funding is approved and that Bechtel is authorized to proceed with the procurement of the train 2 equipment and material. The language will be included in the document between PACAF and Bechtel. Mr. Whitney and Mr. Rogers have the action.

Bechtel (James Hart) will release the suppliers and advise the forecast date that he expects to have all the equipment and material staged at RAAF Pearce. Bechtel will advise when the equipment and material is all there, and await further instructions with regard to shipment.

Mr. Young is requested to begin the process to obtain the commitment from the Australian military to transport this material to Yokota Air Base.

Best Regards, Ned

"Quality is not an act, it is a habit"

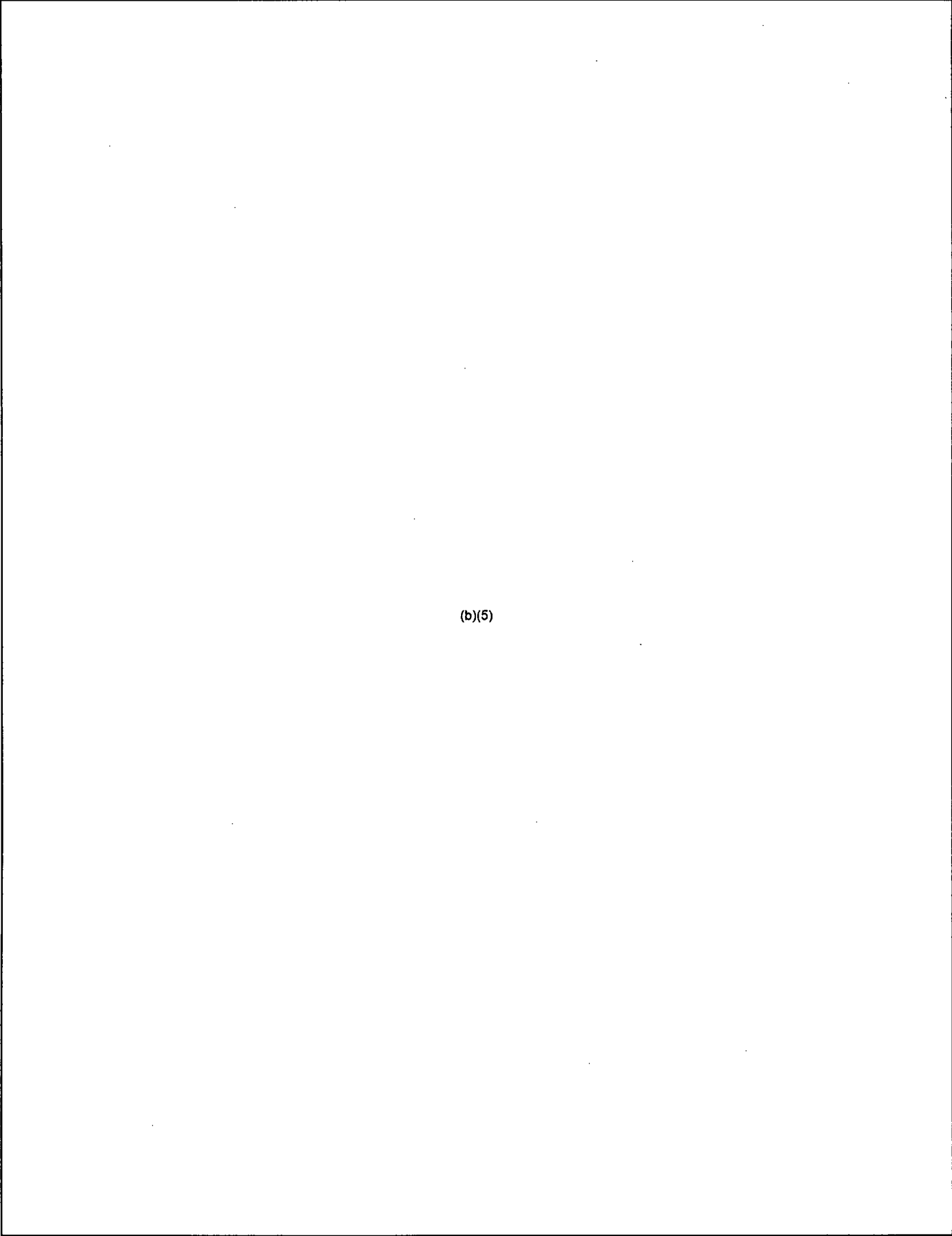
---

**From:** Hart, Ken  
**Sent:** Tuesday, March 22, 2011 7:44 AM  
**To:** Baval, Rochelle; Hart, Ken; Vietti-Cook, Annette; Kasputys, Clare; Reddick, Darani; Davis, Roger; Thoma, John; Sharkey, Jeffrey; Batkin, Joshua; Herr, Linda; Bradford, Anna; Burns, Stephen; Coggins, Angela; Clark, Lisa; Hipschman, Thomas; Monninger, John; Shea, Pamela; Bozin, Sunny; Baggett, Steven; Andersen, James; Warren, Roberta; Mamish, Nader; Landau, Mindy; Marshall, Michael; Fopma, Melody; Orders, William; Nieh, Ho; Zorn, Jason; Franovich, Mike; Kock, Andrea; Crawford, Carrie; Bubar, Patrice; Temp, WCO; Snodderly, Michael; Sosa, Belkys; Tadesse, Rebecca; Bupp, Margaret; Temp, WDM; Svinicki, Kristine; Castleman, Patrick; Adler, James; Dhir, Neha; Muessle, Mary; Pearson, Laura; Warnick, Greg; Lisann, Elizabeth; Laufer, Richard  
**Cc:** Rothschild, Trip; Itzkowitz, Marvin  
**Subject:** Status Update  
**Attachments:** Status Update.docx

See attached.

Rich

**STATUS UPDATE**



(b)(5)



STATUS OF FOIA REQUESTS

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FOIA NUMBER/SUBJECT	TO COMRS/SECY PERFECTED DATE	DUE DATE TO SECY COMRS/SECY	RECEIVED FROM STATUS/COMMENTS
---------------------	---------------------------------	--------------------------------	----------------------------------

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(b)(5)

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**From:** Cherry, Ronald C <CherryRC@state.gov>  
**Sent:** Tuesday, March 22, 2011 7:07 AM  
**To:** Monninger, John  
**Subject:** RE: 1300 Crisis Management Meeting write-up

DCM Zumwalt, Marc Wall, and Joe Young. Joe was going to find out who's going from USFJ.

This email is UNCLASSIFIED.

---

**From:** Monninger, John [mailto:John.Monninger@nrc.gov]  
**Sent:** Tuesday, March 22, 2011 8:05 PM  
**To:** Cherry, Ronald C  
**Subject:** RE: 1300 Crisis Management Meeting write-up

Same 3 from NRC and the interpreter. I don't know about the rest.

---

**From:** Cherry, Ronald C [CherryRC@state.gov]  
**Sent:** Tuesday, March 22, 2011 7:03 AM  
**To:** Monninger, John  
**Subject:** RE: 1300 Crisis Management Meeting write-up

Thanks, John.

Who's going to the 9 pm meeting at the Cabinet Office? Aleshia may cover for DOE.

This email is UNCLASSIFIED.

---

**From:** Monninger, John [mailto:John.Monninger@nrc.gov]  
**Sent:** Tuesday, March 22, 2011 8:02 PM  
**To:** Cherry, Ronald C  
**Subject:** RE: 1300 Crisis Management Meeting write-up

Thanks Ron. I forwarded the email to Dan. His email address is Dan.Dorman

---

**From:** Cherry, Ronald C [CherryRC@state.gov]  
**Sent:** Tuesday, March 22, 2011 6:04 AM  
**To:** Tong, Kurt W; Luke, Robert S; Wall, Marc M; Young, Joseph M; Casto, Chuck; Monninger, John  
**Cc:** [REDACTED] (b)(6)  
**Subject:** 1300 Crisis Management Meeting write-up

All: Please comment/clear below write-up. Joe, appreciate your help forwarding to USFJ.

Chuck, John: I don't have Dan's email yet. Please pass.

Thanks.

Ron

(b)(5)

Ronald C. Cherry  
Energy Attaché  
Director, DOE Japan Office  
U.S. Embassy Tokyo  
Tel. (0)3-3224-5444  
Fax (0)3-3224-5769  
Cell (b)(6)  
email [CherryRC@state.gov](mailto:CherryRC@state.gov)

SBU  
This email is UNCLASSIFIED.

---

**From:** Cherry, Ronald C <CherryRC@state.gov>  
**Sent:** Tuesday, March 22, 2011 7:05 AM  
**To:** Monninger, John  
**Subject:** RE: 1300 Crisis Management Meeting write-up

Got it. Thanks.

This email is UNCLASSIFIED.

---

**From:** Monninger, John [mailto:John.Monninger@nrc.gov]  
**Sent:** Tuesday, March 22, 2011 8:04 PM  
**To:** Cherry, Ronald C  
**Subject:** RE: 1300 Crisis Management Meeting write-up

email is [Dan.Dorman@nrc.gov](mailto:Dan.Dorman@nrc.gov)

---

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**Cc:** (b)(6)  
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Ron

(b)(5)

Ronald C. Cherry  
Energy Attaché  
Director, DOE Japan Office  
U.S. Embassy Tokyo  
Tel. (0)3-3224-5444  
Fax (0)3-3224-5769  
Cell [REDACTED] (b)(6)  
email [CherryRC@state.gov](mailto:CherryRC@state.gov)

SBU  
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(b)(5)

(b)(5)

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Tel. (0)3-3224-5444  
Fax (0)3-3224-5769  
Cell ( ) (b)(6)  
email [CherryRC@state.gov](mailto:CherryRC@state.gov)

SBU  
This email is UNCLASSIFIED.

---

**From:** Monninger, John  
**Sent:** Tuesday, March 22, 2011 6:55 AM  
**To:** Dorman, Dan  
**Subject:** FW: 1300 Crisis Management Meeting write-up

See below.

---

**From:** Cherry, Ronald C [CherryRC@state.gov]  
**Sent:** Tuesday, March 22, 2011 6:04 AM  
**To:** Tong, Kurt W; Luke, Robert S; Wall, Marc M; Young, Joseph M; Casto, Chuck; Monninger, John  
**Cc:** [redacted] (b)(6)  
**Subject:** 1300 Crisis Management Meeting write-up

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[redacted]

(b)(5)

Ronald C. Cherry  
Energy Attaché  
Director, DOE Japan Office  
U.S. Embassy Tokyo  
Tel. (0)3-3224-5444  
Fax (0)3-3224-5769  
Cell [redacted] (b)(6)  
email [CherryRC@state.gov](mailto:CherryRC@state.gov)



SBU  
This email is UNCLASSIFIED.

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**From:** Young, Joseph M <YoungJM@state.gov>  
**Sent:** Tuesday, March 22, 2011 6:17 AM  
**To:** Whitney, Andrew L Civ USAF PACAF 374 CONS/CD; Merchant, Ned; Harris, Jeffrey W CIV PACOM, J4; Monninger, John; Napier, Bradford  
**Cc:** Hart, James V; Rogers, Ed; Rau, Carl; Albert, Craig; Hughes, Michael C (BNI OPS); Thomas, Eugene; Reilly, Brian (Power); Cook, William; (b)(6); (b)(6); Hackman, Michael R LtCol USAF PACAF 374 CONS/CC  
**Subject:** RE: Train 1

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

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**To:** Young, Joseph M; Merchant, Ned; Harris, Jeffrey W CIV PACOM, J4; john.monninger@nrc.gov  
**Cc:** Hart, James V; Rogers, Ed; Rau, Carl; Albert, Craig; Hughes, Michael C (BNI OPS); Thomas, Eugene; Reilly, Brian (Power); Cook, William (b)(6); Hackman, Michael R LtCol USAF PACAF 374 CONS/CC  
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Andy

ANDREW L. WHITNEY, GS-13, DAF  
Director of Business Operations  
374th Contracting Squadron

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PACAF: [https://\(b\)\(6\)/374AW/374MSG/374CONS/default.aspx](https://(b)(6)/374AW/374MSG/374CONS/default.aspx)

Non PACAF:

<https://yokotae.eim.pacaf.af.mil/374AW/374MSG/374CONS/default.aspx>

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

From: Young, Joseph M [mailto:YoungJM@state.gov]

Sent: Tuesday, March 22, 2011 5:10 PM

To: Whitney, Andrew L Civ USAF PACAF 374 CONS/CD; Merchant, Ned; Harris, Jeffrey W CIV PACOM, J4; john.monninger@nrc.gov

Cc: Hart, James V; Rogers, Ed; Rau, Carl; Albert, Craig; Hughes, Michael C (BNI OPS); Thomas, Eugene; Reilly, Brian (Power); Cook, William; [redacted] (b)(6)

Subject: RE: Train 1

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Joe Young

Political-Military Unit Chief

U.S. Embassy, Tokyo

03-3224-5338

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

From: Whitney, Andrew L Civ USAF PACAF 374 CONS/CD [mailto:[redacted] (b)(6)]

Sent: Tuesday, March 22, 2011 11:51 AM

To: Merchant, Ned; Harris, Jeffrey W CIV PACOM, J4; Young, Joseph M

Cc: Hart, James V; Rogers, Ed; Rau, Carl; Albert, Craig; Hughes, Michael C (BNI OPS); Thomas, Eugene; Reilly, Brian (Power)

Subject: RE: Train 2

Ned,

Copy--Train #2 staging is authorized.

Best regards,

Andy

ANDREW L. WHITNEY, GS-13, DAF

Director of Business Operations

374th Contracting Squadron

Tell us how we're doing at:

[https://\[redacted\] \(b\)\(6\) index.cfm?fa=card&service\\_provider\\_id=106409&site\\_id=97](https://[redacted] (b)(6) index.cfm?fa=card&service_provider_id=106409&site_id=97)

[\[redacted\] \(b\)\(6\) &service\\_category\\_id=14](https://[redacted] (b)(6) &service_category_id=14)

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Non PACAF:

[https://\(b\)\(6\)374AW/374MSG/374CONS/default.aspx](https://(b)(6)374AW/374MSG/374CONS/default.aspx)

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

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Sent: Tuesday, March 22, 2011 11:45 AM

To: Whitney, Andrew L Civ USAF PACAF 374 CONS/CD; Harris, Jeffrey W CIV PACOM, J4; Young, Joseph M

Cc: Hart, James V; Rogers, Ed; Rau, Carl; Albert, Craig; Hughes, Michael C (BNI OPS); Thomas, Eugene; Reilly, Brian (Power)

Subject: Train 2

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Whitney and Mr. Rogers have the action.

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Mr. Young is requested to begin the process to obtain the commitment from the Australian military to transport this material to Yokota Air Base.

Best Regards, Ned

"Quality is not an act, it is a habit"

---

**From:** LIA07 Hoc  
**Sent:** Tuesday, March 22, 2011 6:16 AM  
**To:** Casto, Chuck; Cook, William; Devercelly, Richard; Foggie, Kirk; Foster, Jack; Jim Trapp; Kolb, Timothy; Monninger, John; Nakanishi, Tony; Smith, Brooke; Ulses, Anthony  
**Subject:** 0600 EDT (March 22, 2011) USNRC Earthquake/Tsunami Status Update  
**Attachments:** USNRC Earthquake-Tsunami Update.032211.0600EDT.docx

Please find attached a 0600 EDT (March 22, 2011) status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

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

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

-Jim

Jim Anderson  
Office of Nuclear Security and Incident Response  
US Nuclear Regulatory Commission  
[James.anderson@nrc.gov](mailto:James.anderson@nrc.gov)  
[LIA07.HOC@nrc.gov](mailto:LIA07.HOC@nrc.gov) (Operations Center)

---

**From:** Monninger, John  
**Sent:** Tuesday, March 22, 2011 6:01 AM  
**To:** 'damian.peko@nuclear.energy.gov'  
**Subject:** Fw: Attn Econ: Robots for Japan  
**Attachments:** Robots for Japan Earthquake.pdf

John Monninger

(b)(6)

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

**From:** Howard, E. Bruce <HowardEB@state.gov>  
**To:** Monninger, John  
**Sent:** Mon Mar 21 00:50:50 2011  
**Subject:** FW: Attn Econ: Robots for Japan

As discussed.

This email is UNCLASSIFIED

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

**From:** CMS TaskForce1Q On Behalf Of zTask Force 1 Mailbox  
**Sent:** Sunday, March 20, 2011 1:43 AM  
**To:** Lewis, Brian M; 'Lewisbm@fcmp.org'; Thur, Randy R; 'Thurrr@fcmp.org'; Schiller, Bryan S  
**Cc:** 'LoweTJ@fcmp.org'; Lee, Siyoung; Skypek, Thomas M; 'SkypekTM@fcmp.org'; Pigg, David N; 'PiggDN@fcmp.org'; Willemann, Jeffrey P; 'WillemannJP@fcmp.org'; Lowe, Thomas J; Schiller, Bryan S; zTask Force 1 Mailbox  
**Subject:** FW: Fwd: Robots for Japan

FCM Forward,

Attached is a description of QinetiQ robots that would fill a Request for Information (RFI) from the GOJ regarding remote-controlled robots. On the U.S. side, A/S Lyons of DOE has said that this support will be worked out in the private sector between TEPCO and QinetiQ; however, this does not answer the official request for information from the GOJ. I am having trouble finding out where in the GOJ this RFI originated but please pass this along, if appropriate.

Thanks, Nate

TF-1

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

**From:** Tong, Kurt W  
**Sent:** Saturday, March 19, 2011 11:12 PM  
**To:** TaskForce-1  
**Cc:** Basalla, Suzanne I  
**Subject:** FW: Fwd: Robots for Japan

Washington team -- note attachment with data on QinetiQ robots, and QinetiQ continued interest/double-tracking with Embassy. Action remains with Washington side to figure out how to make this happen. Thanks, Kurt T

This email is UNCLASSIFIED

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

From: Basalla, Suzanne I

Sent: Sunday, March 20, 2011 11:29 AM

To: Tong, Kurt W; [redacted] (b)(6)

Cc: Luke, Robert S; Zumwalt, James P; 'Peko, Damian'; Fuller, Matthew G; [redacted] (b)(6); 'McDaniel, Everett K  
COL USA USFJ J4'; [redacted] (b)(6)

Subject: FW: Fwd: Robots for Japan

Kurt/OSD colleagues,

Please see attached fact sheet on Robots from JD Crouch. Can you please get this information to anyone who may find this of interest/value in our support to the Japanese at the nuclear plant?

Suzanne

SBU

This email is UNCLASSIFIED

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

From: Mike Green [mailto:MGreen@csis.org]

Sent: Sunday, March 20, 2011 5:10 AM

To: Basalla, Suzanne I

Cc: [redacted] (b)(6)

Subject: Fw: Fwd: Robots for Japan

Suzanne,

Know you are extremely busy. If there is anything I can do to help, please let me know. We have some ideas for a CSIS-Keidanren task force on US-Japan cooperation on reconstruction and lessons learned that I'll tell you more about when we have a better handle on things. For now, I wanted to connect you with J.D. Crouch -- His company is sending robot assets and we both thought you and the Ambassador should be aware. It sounds like the GOJ is very slow deciding how to respond to these capabilities --but this one seems clearly needed. Anyway, J.D sent me the attached fact sheet, but I'll let him tell you more.

Gambatte,

Mike

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

From: J.D. Crouch [mailto:[redacted] (b)(6)]

Sent: Saturday, March 19, 2011 03:27 PM

To: Mike Green

Subject: Fwd: Robots for Japan

Here is the info

6 Dragon Runners

4 Talons

2 Bobcat Kits

JD

----- Forwarded message -----

From: Quinn, Robert <Robert.Quinn@qinetiq-na.com>

Date: Friday, March 18, 2011

Subject: Robts for Japan

To (b)(6)

JD, please see attached file. bob



## **QinetiQ North America Robots for use following the Japan Earthquake**

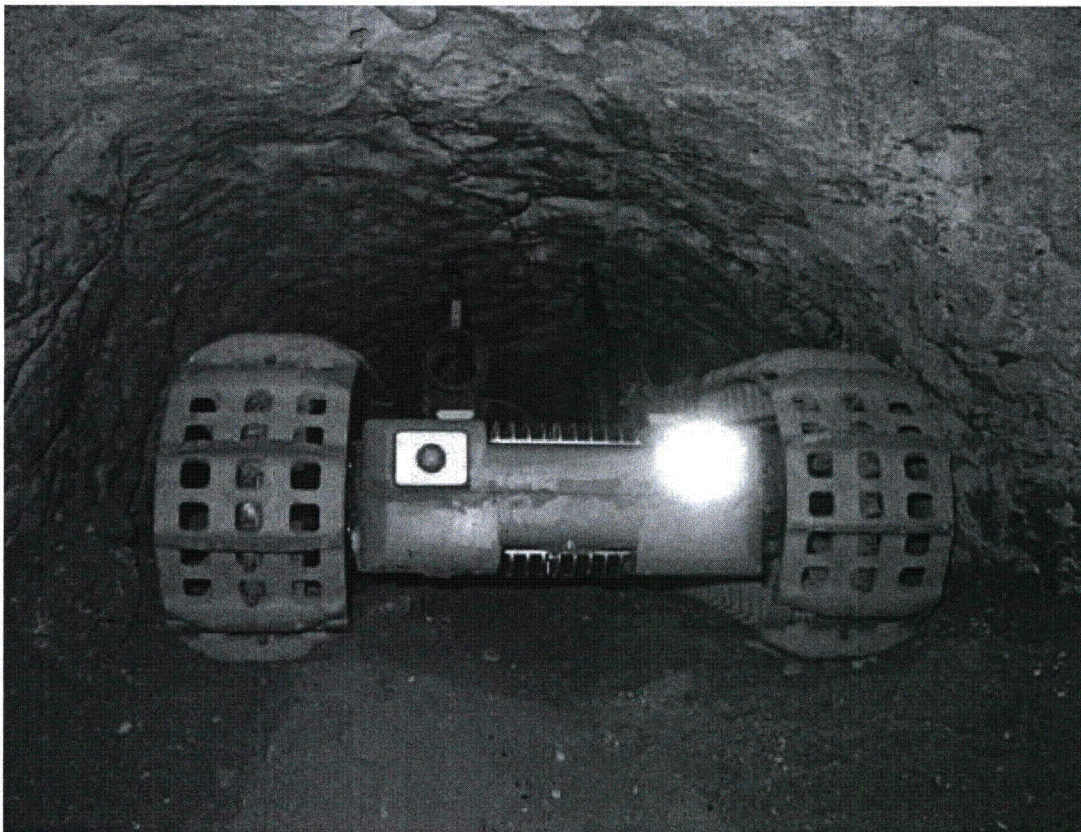
**Dragon Runner** - 18 lb to 30 lb. wheeled or tracked robot was developed by US Marine Corps and first used in Iraq in 2005 for urban reconnaissance. Over 200 are now operating in Afghanistan with UK and NATO forces to neutralize IED's. It has the rugged reliability comparable to all QinetiQ military grade robots.

It is ideal for investigating small spaces in rubble piles, trenches, culverts and tunnels. IR illuminated and advanced thermal cameras make visibility in extreme low light areas possible at distances of up to 800 meters from the operator.

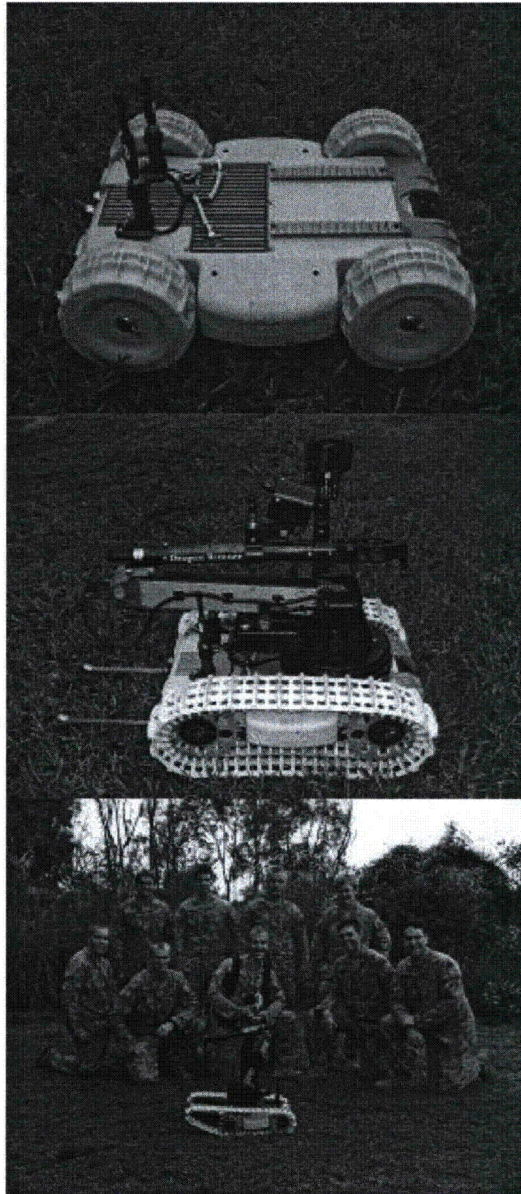
The robot has sensitive listening microphones that allow the operator to hear sounds close to the robot from up to 800 meters from the operator.

The eyes and ears of this small rugged robot protect the first responder from falling debris while navigating spaces too small for a human.

The field transformability of this robot allows the operator to quickly and easily select the best wheel or track and manipulator to fit the specific task at hand.







**TALON** - 100 lb to 120 lb Talon robots are the workhorse of the US military with over 3,000 fielded to demanding military and first responders worldwide. This robot is incredibly resilient to the torturous conditions in Iraq and Afghanistan detecting and defeating Improvised Explosive Devices that other robots are not rugged enough to unearth and neutralize. On average TALON robots are blown-up 13 times and repaired in field repair centers in just 1 hour before the next blast destroys the robot.

TALON HAZMAT robots are fitted with radiation, fire and chemical sensors in addition to IR Illuminated and Thermal cameras allowing the operator to see in the dark and “smell” what the robot is sensing from 800 to 1,000 meters away. It also has the pulling power to drag victims hundreds of meters away from a hazard. TALON robots were