

Tateiwa, Kenji

送信者: "Tateiwa, Kenji" <tateiwa.kenji@tepcoco.jp>
宛先: "Tateiwa, Kenji" <tateiwa.kenji@tepcoco.jp>
送信日時: 2015年2月12日 22:37
件名: [TEPCO Weekly Fukushima Update Call] Fri, Feb. 13, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Feb. 13, 2015 at 3 pm Eastern Standard Time
(No Call Next Week. Next call will be on **Fri, Feb. 27** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

1. NRA Special Facilities Monitoring and Evaluation Committee (2/9/2015)
(only in Japanese)

1-1. Closure of Seawater Piping Trenches of Units 2, 3, 4

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0031_02.pdf

1-2. Water Level Management after Operation of Frozen-Soil Wall (summary)

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0031_03.pdf

1-3. Water Level Management after Operation of Frozen-Soil Wall (reference information)

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0031_08.pdf

2. Installation of Muon Detectors for Fuel Debris Detection at Unit 1 (2/9/2015)

http://www.tepcoco.jp/en/press/corp-com/release/2015/1248057_6844.html

(photos)

http://www.tepcoco.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150209_01-e.pdf

3. "The Great Race: The Global Quest for the Car of the Future"

<http://amzn.com/B00LD1OP0Q>

This book features TEPCO's current Chief Nuclear Officer, Takafumi Anegawa, as a visionary who jump started Japan's electric vehicle industry.

** If you cannot display Japanese characters, please install the following font packs:*

<http://www.adobe.com/support/downloads/detail.jsp?ftpld=4881>

(Feel free to forward this email to your colleagues or have them contact me to be added to the distribution list.)

All the best,
Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
2121 K Street, NW Suite 910
Washington, DC 20037
tel: +1-202-457-0790 (ext.)116

(b)(6)

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

From: Tateiwa, Kenji

To: Tateiwa, Kenji

Sent: Thursday, February 05, 2015 9:24 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Feb. 6, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Feb. 6, 2015 at 3 pm Eastern Standard Time
(Next call will be on **Fri, Feb. 13** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]**1. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues (1/30/2015)**

(only in Japanese)

1-1. Water Contamination Monitoring and Effectiveness of Groundwater Bypass System

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150130_03-j.pdf

1-2. Wind Velocity Simulation Inside Unit 1 Reactor Building Cover

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150130_04-j.pdf

1-3. Response to Various Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150130_07-j.pdf

(page 6/116) ALPS Status

(page 10/116) Various Water Treatment Systems

(page 19/116) Filling Up Seawater Piping Trenches

(page 38/116) Subdrain System

(page 41/116) Frozen Soil Wall

(page 85/116) Radioactivity in Units 1-3 Discharge Canal

2. Causes of Significant Occupational Safety Issues at 1F/2F/KK and Countermeasures (2/3/2015)

(only in Japanese)

http://www.tepco.co.jp/cc/press/betu15_j/images/150202j0301.pdf

3. Nuclear Safety Reform Plan 2014 Q3 Progress Report (2/3/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1247946_6844.html

4. IAEA OSART Preparatory Meeting at Kashiwazaki Kariwa (2/2~5/2015)

(only in Japanese)

<http://www.tepco.co.jp/kk-np/data/publication/pdf/2014/270205.pdf>

5. Removal of Highly Contaminated Water Inside Seawater Piping Trenches (1/28/2015)

(video clip)

http://www.tepco.co.jp/en/news/library/archive-e.html?video_uuid=iwz87j2v&catid=69631

6. TEPCO Official English YouTube

<https://www.youtube.com/user/OfficialTEPCOen>

** If you cannot display Japanese characters, please install the following font packs:*

<http://www.adobe.com/support/downloads/detail.jsp?ftplD=4881>

(Feel free to forward this email to your colleagues or have them contact me to be added to the distribution list.)

All the best,

Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
2121 K Street, NW Suite 910
Washington, DC 20037
tel: +1-202-457-0790 (ext.)116

(b)(6)

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

From: Tateiwa, Kenji

To: Tateiwa, Kenji

Sent: Thursday, January 29, 2015 8:53 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Jan. 30, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Jan. 30, 2015 at 3 pm Eastern Standard Time
(Next call will be on **Fri, Feb. 6** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Working-level Meeting of Decommissioning & Contaminated Water Issues Team (1/29/2015)

(only in Japanese)

1-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_04-j.pdf

1-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_05-j.pdf

(English translation as of 12/25/2014)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d141225_01-e.pdf

1-3. Retrieval of Thermocouple Installed in Unit 2 RPV Bottom via SLC Line

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_06-j.pdf

1-4. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_07-j.pdf

1-5. Environmental Radiation Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_08-j.pdf

1-6. Work Condition Improvement

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_09-j.pdf

1-7. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_10-j.pdf

1-8. Preparation for Fuel Debris Removal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_11-j.pdf

1-9. Radioactive Waste Disposal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_12-j.pdf

1-10. Status Update of Study on Alternate Core Debris Retrieval Methods (METI)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_14-j.pdf

1-11. Strategic Plan and Risk Mitigation (Nuclear Damage Compensation and Decommissioning Facilitation Corporation)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_15-j.pdf

2. Updated Schedule on Completion of Contaminated Water Treatment (1/23/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150123_02-e.pdf

3. Occupational Safety Corrective Actions (1/26/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150126_01-e.pdf

4. National Academy of Sciences Fukushima Lessons Learned Committee Phase 2 #3 (1/29/2015)

<http://www8.nationalacademies.org/cp/meetingview.aspx?MeetingId=7732>

Attached is a compact version of TEPCO's presentation.

Let me know if you would like to receive the original sized file.

All the best,

Kenji

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

From: Tateiwa, Kenji (mobile)

To: Tateiwa, Kenji

Sent: Thursday, January 22, 2015 10:09 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Jan. 23, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Jan. 23, 2015 at 3 pm Eastern Standard Time
(Next call will be on **Fri, Jan. 30** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]**1. Briefing Materials for Fishermen's Association of Iwaki City (1/16/2015)**

(only in Japanese)

1-1. Addition of Sr-Removal Capability to KURION and SARRY Systems

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150119_03-j.pdf

1-2. Illustration of Contaminated Water Removal Process from Underground Piping Trenches

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150116_10-j.pdf

1-3. Treated Water Discharge Criteria for Subdrain and Groundwater Drain Systems

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150116_07-j.pdf

2. Contract Worker Dies After Falling Into Rainwater Receiving Tank at Fukushima Daiichi (1/19/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150119_01-e.pdf

All the best,
Kenji

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

From: Tateiwa, Kenji

To: Tateiwa, Kenji

Sent: Thursday, January 15, 2015 8:41 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Jan. 16, 2015 at 3pm EST

Nuclear Sector Colleagues,

Happy New Year!

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Jan. 16, 2015 at 3 pm Eastern Standard Time
(Next call will be on **Fri, Jan. 23** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]**1. Working-level Meeting of Decommissioning & Contaminated Water Issues Team (12/25/2014)**

(only in Japanese)

1-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_04-j.pdf

1-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_04-j.pdf

(English translation as of 11/27/2014)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d141127_01-e.pdf

1-3. Shortening the Length of Circulating Water Cooling System Loop

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_06-j.pdf

1-4. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_07-j.pdf

1-5. Environmental Radiation Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_08-j.pdf

1-6. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_10-j.pdf

1-7. Preparation for Fuel Debris Removal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_11-j.pdf

1-8. Radioactive Waste Disposal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_12-j.pdf

2. NRA Special Facilities Monitoring and Evaluation Committee (12/26/2014)
(only in Japanese)**2-1. Status of Filling Up Underground Seawater Piping Trenches**

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_01.pdf

2-2. Measures to Achieve Incremental Effective Dose Limit at Site Boundary

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_03.pdf

2-3. Completion of Fuel Transfer from Unit 4 Spent Fuel Pool

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_05.pdf

2-4. Leakage of ALPS-Treated Water from J6 Tank Farm

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_06.pdf

3. IAEA to Review Fukushima Daiichi Decommissioning and Kashiwazaki Kariwa Operational Safety (1/7/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1247076_6844.html

4. Figures and Video Clips Describing Various Water Management Measures

<http://www.tepco.co.jp/en/decommision/planaction/waterprocessing-e.html>

5. Overview of Fukushima Daiichi Accident and Lessons Learned (33 MB)

<http://www.tepco.co.jp/en/decommision/accident/images/outline01.pdf>

All the best,
Kenji

From: Tateiwa, Kenji
Sent: 13 Feb 2015 14:59:01 -0500
To: 'Jacoff, Adam S.'; Nicholson, Thomas; West, Steven; Parrott, Jack; Madden, Patrick; Aird, David; andrew.Szilagyi@em.doe.gov
Subject: [NIST Robot Test Facility Visit on Feb. 19] Update on Fukushima Daiichi D&D by TEPCO?
Importance: Normal

Tom, Adam, and all,

I look forward to visiting the NIST Robotics Lab on Feb. 19th and discussing with you ideas on the robotics workshop.

Would it be useful if I gave a brief presentation on the current status of decommissioning at Fukushima Daiichi so that participants can get a better idea of what needs there are for robotics at the site?

If so, I will bring my laptop and be prepared to show you some relevant slides.
Let me know what you all think and I will prepare accordingly.

All the best,
Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
2121 K Street, NW Suite 910
Washington, DC 20037
tel: +1-202-457-0790 (ext.)116

(b)(6)

Outside of Scope

Page 1389 of 2257

Withheld pursuant to exemption

Outside of Scope

of the Freedom of Information and Privacy Act

Outside of Scope

From: <Nicholson>, Thomas <Thomas.Nicholson@nrc.gov>
Date: Friday, February 6, 2015 at 11:55 AM
To: "<andrew.Szilagyi@em.doe.gov>" <andrew.Szilagyi@em.doe.gov>, "Adam S. Jacoff" <adam.jacoff@nist.gov>, "Norton, Charles" <Charles.Norton@nrc.gov>, "Tateiwa, Kenji" <tateiwa.kenji@tepco.co.jp>
Cc: "West, Steven" <Steven.West@nrc.gov>, "Madden, Patrick" <Patrick.Madden@nrc.gov>, "Correia, Richard" <Richard.Correia@nrc.gov>, "Rini, Brett" <Brett.Rini@nrc.gov>
Subject: Possible Dates to visit NIST Robotics Laboratory

Adam and Andrew:

Below is Kenji's availability. I suggest February 19th as a good date.

Please let us know your availability.

Thanks Tom

From: Tateiwa, Kenji [<mailto:tateiwa.kenji@tepco.co.jp>]
Sent: Thursday, February 05, 2015 6:40 PM
To: Nicholson, Thomas
Subject: Re: Follow-Up to Discussions on Robotics at Nuclear Facilities

Tom,

Thank you for your call today regarding a visit to NIST.

I am available all day on the following dates (preferably in the morning):

Thu, Feb. 19

Fri, Feb. 20

Thu, Feb. 26

All the best,

Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
2121 K Street, NW Suite 910
Washington, DC 20037
tel: +1-202-457-0790 (ext.)116

(b)(6)

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

From: [Nicholson, Thomas](#)

To: [Szilagyi, Andrew](#)

Cc: adam.jacoff@nist.gov ; [Tateiwa, Kenji](#)

Sent: Thursday, February 05, 2015 3:37 PM

Subject: RE: Follow-Up to Discussions on Robotics at Nuclear Facilities

Andrew:

Thanks for the e-mail and follow-up.

I enjoyed our conversation yesterday concerning the possibility of a technical exchange workshop on the use of robotics at nuclear facilities.

I appreciate your interest and enthusiasm. I look forward to working with you, Adam and Kenji on identifying a workshop focus, organizing committee members and expectations.

Thanks Tom

Outside of Scope

Page 1392 of 2257

Withheld pursuant to exemption

Outside of Scope

of the Freedom of Information and Privacy Act

Page 1393 of 2257

Withheld pursuant to exemption

Outside of Scope

of the Freedom of Information and Privacy Act

From: Tateiwa, Kenji
Sent: 23 Apr 2015 22:42:32 -0400
To: Tateiwa, Kenji
Subject: [TEPCO Weekly Fukushima Update Call] Fri, April 24, 2015 at 3pm EDT
Importance: Normal

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, April 24, 2015 at 3 pm Eastern Daylight Time

(**No Call Next Week**. Next call will be on **Fri, May 8** at 3 pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

1. Unit 1 Drywell Internal Investigation by Transforming Robots (4/10~19/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1249780_6844.html

(April 10 Results)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150413_01-e.pdf

(video clip for April 10)

<http://photo.tepco.co.jp/en/date/2015/201504-e/150413-01e.html>

(April 15 Results)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150416_01-e.pdf

(video clip for April 15)

<http://photo.tepco.co.jp/en/date/2015/201504-e/150416-01e.html>

(April 16 Results)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150417_01-e.pdf

(video clip for April 16)

<http://photo.tepco.co.jp/en/date/2015/201504-e/150417-01e.html>

(April 18-19 Results)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150420_01-e.pdf

(video clip for April 18-19)

<http://photo.tepco.co.jp/en/date/2015/201504-e/150420-01e.html>

**2. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues
(4/13/2015)**

(only in Japanese)

2-1. Water Contamination Monitoring and Effectiveness of Groundwater Bypass System

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/150413_04-j.pdf

2-2. Preparation for Dismantling Unit 1 Reactor Building Cover

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/150413_05-j.pdf

2-3. Outdoor Cable Fire

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/150413_11-j.pdf

2-4. Status Report on Identification of Risk Factors Related to Off-site Radiological Impact

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_12-j.pdf

2-5. New Framework and Organization Related to Disclosure of All Radiological Data

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_13-j.pdf

2-6. NDF's Draft 2015 Technical Strategy Plan in Preparation for Revising the Mid-to-Long Term Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_15-j.pdf

2-7. Draft Straw Man for the Revised Mid-to-Long Term Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_18-j.pdf

2-8. Status Report on Various Issues (155 pages, 13.3 MB)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_19-j.pdf

3. NRA Special Facilities Monitoring and Evaluation Committee (4/22/2015)
(only in Japanese)

3-1. Closure of Seawater Piping Trenches of Units 2, 3, 4

<http://www.nsr.go.jp/data/000104663.pdf>

3-2. Water Collected on Lid of High-Intensity Container Inside a Box Culvert

<http://www.nsr.go.jp/data/000104664.pdf>

3-3. Groundwater Inflow Mitigation Measures and Water Level Management

<http://www.nsr.go.jp/data/000104677.pdf>

3-4. Reduction of Radioactivity in Drainage Channels

<http://www.nsr.go.jp/data/000104668.pdf>

4. Inadvertent Stop of Drainage Pumps at K Drainage Channel--Now Restored (4/21, 23/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1249920_6844.html

(Detailed Info)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150421_01-e.pdf

5. IAEA Delegation Visit to Fukushima Daiichi (4/19/2015)

<http://photo.tepco.co.jp/en/date/2015/201504-e/150421-01e.html>

** If you cannot display Japanese characters, please install the following font packs:*

<http://www.adobe.com/support/downloads/detail.jsp?ftplD=4881>

(Feel free to forward this email to your colleagues or have them contact me to be added to the distribution list.)

All the best,
Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company

Washington Office
2121 K Street, NW Suite 910
Washington, DC 20037
tel: +1-202-457-0790 (ext.)116

(b)(6)

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

From: Tateiwa, Kenji

To: Tateiwa, Kenji

Sent: Wednesday, April 08, 2015 8:25 PM

Subject: [TEPCO Weekly Fukushima Update Call] THU, April 9, 2015 at 3pm EDT

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

THU, April 9, 2015 at 3 pm Eastern Daylight Time

(**No Call Next Week**. Next call will be on **Fri, April 24** at 3 pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Unit 3 Shield Plug in Front of Containment Vessel Equipment Hatch: Assumed Cause of Movement (3/30/2015)

Shield plug could have moved due to pressure differential between containment vessel and reactor building when R/B hydrogen explosion occurred.

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150330_04-j.pdf

2. Unit 3 Spent Fuel Pool Gate Condition (4/6/2015)

Visual inspection found no significant impact to one of the two layers of gates (G1) maintaining water-tightness of pool.

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150406_04-j.pdf

3. Crawler Robot to Investigate Inside Unit 1 Drywell (4/6/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150406_01-e.pdf

4-1. Nuclear Safety Reform Plan: Quarterly Progress Report (3/30/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1249285_6844.html

4-2. Full Report

(only in Japanese)

http://www.tepco.co.jp/cc/press/betu15_j/images/150330j0102.pdf

4-3. TEPCO's Nuclear Reform Monitoring Committee

http://www.nrmc.jp/en/report/detail/1249278_5233.html

4-4. "Reviewing the Two Years of Nuclear Safety Reform"

http://www.nrmc.jp/en/report/detail/_icsFiles/afieldfile/2015/04/02/E-5.pdf

5-1. "Trace Amounts of Fukushima Radioactivity Detected Along Shoreline of British Columbia" (4/6/2015)

Press release by the Woods Hole Oceanographic Institution.

<http://www.whoi.edu/news-release/fukushima-ucluelet>

5-2. TEPCO's Sea Water Sampling Data

<http://www.tepco.co.jp/en/nu/fukushima-np/f1/smp/index-e.html>

5-3. TEPCO's Seawater Monitoring Plan (4/1/2015)

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150401_06-j.pdf

All the best,
Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, March 26, 2015 8:53 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, March 27, 2015 at 3pm EDT

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, March 27, 2015 at 3 pm Eastern Daylight Time

(**No Call Next Week**. Next call will be on **THU, April 9** at 3 pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Unit 1 Muon Tomography Preliminary Results (3/19/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150319_01-e.pdf

2. Contaminated Water Committee (3/17/2015)

(only in Japanese)

2-1. Studies Related to Frozen Soil Wall

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c150317_07-j.pdf

2-2. Studies Related to High-Performance ALPS

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c150317_08-j.pdf

3. NRA Special Facilities Monitoring and Evaluation Committee (3/25/2015)

(only in Japanese)

3-1. "K" Drainage Line Investigation and Actions

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150325_04-j.pdf

3-2. Closure of Seawater Piping Trenches of Units 2, 3, 4

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150325_08-j.pdf

4. Working-level Meeting of Decommissioning & Contaminated Water Issues Team (3/26/2015)

(only in Japanese)

4-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_04-j.pdf

4-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_05-j.pdf

(English translation as of 2/26/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d150226_01-e.pdf

4-3. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_07-j.pdf

4-4. Environmental Radiation Issues (large file size: 56 MB)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_08-j.pdf

4-5. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_10-j.pdf

4-6. Preparation for Fuel Debris Removal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_11-j.pdf

4-7. Radioactive Waste Processing (Radionuclide Analyses of Samples Taken from Units 1-3 R/B)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_12-j.pdf

All the best,
Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, March 12, 2015 8:50 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, March 13, 2015 at 3pm EDT

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, March 13, 2015 at 3 pm Eastern **Daylight** Time

(**No Call Next Week**. Next call will be on **Fri, March 27** at 3 pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. NRA Special Facilities Monitoring and Evaluation Committee (3/2/2015)

(only in Japanese)

1-1. Closure of Seawater Piping Trenches of Units 2, 3, 4

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150304_05-j.pdf

1-2. Measures to Reduce Radioactivity in "K" Drainage Line

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150304_06-j.pdf

1-3. Investigation on Temporary Increase in Radioactivity in Downstream of "B and C" Drainage Line

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150304_07-j.pdf

1-4. Water Level Management after Operation of Frozen-Soil Wall

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150304_08-j.pdf

2. Rain Water Level Drop in Outer Weir of H4 Area Tank (3/12/2015)

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150312_04-j.pdf

3. New Disclosure Policy and Independent Audit in Light of Recent Drainage Water Issue (3/6/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1248564_6844.html

4. TEPCO President's Remarks on 4th Anniversary of Great East Japan Earthquake (3/11/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1248663_6844.html

5. "Nuclear Energy in Japan Since Fukushima " (2/17/2015)

TEPCO's presentation at the Platts Nuclear Energy Conference.

http://www.platts.com/IM.Platts.Content/ProductsServices/ConferenceandEvents/2015/pc509/presentations/Kenji_Tateiwa.pdf

6. "Estimated Amount of Radioactive Materials Released into the Air by the Fukushima Daiichi NPS Accident" (3/10/2015)

TEPCO's presentation at the US NRC Regulatory Information Conference (RIC.)

<https://ric.nrc-gateway.gov/docs/abstracts/tateiwak-t5-hv-r1.pdf>

All the best,
Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, February 26, 2015 10:50 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Feb. 27, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Feb. 27, 2015 at 3 pm Eastern Standard Time

(**No Call Next Week**. Next call will be on **Fri, March 13** at 3 pm **EDT**.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

1. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues (2/23/2015)

(only in Japanese)

1-1. Water Contamination Monitoring and Effectiveness of Groundwater Bypass System

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150223_04-j.pdf

1-2. Dismantling Plan for Unit 1 Reactor Building Cover

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150223_05-j.pdf

1-3. Occupational Safety Corrective Actions

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150223_06-j.pdf

1-4. Contaminated Water Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150223_12-j.pdf

2. Working-level Meeting of Decommissioning & Contaminated Water Issues Team (2/26/2015)

(only in Japanese)

2-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_04-j.pdf

2-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_05-j.pdf

(English translation as of 1/29/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d150129_01-e.pdf

2-3. Re-insertion of Thermocouple into Unit 2 RPV Bottom via SLC Line

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_06-j.pdf

2-4. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_07-j.pdf

2-5. Environmental Radiation Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_08-j.pdf

2-6. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_10-j.pdf

2-7. Preparation for Fuel Debris Removal (3D Laser Scanning, Muon Tomography)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_11-j.pdf

2-8. D&D-Related R&D Progress and Future Plans

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_13-j.pdf

2-9. Selection of Technologies to Undergo Tritium-Separation Demonstration Testing

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_14-j.pdf

2-10. Establishment of Global Decommissioning Joint Research Center

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_15-j.pdf

3. Temporary Increase in Radioactivity in Downstream of "B and C" Drainage Line (2/24/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1248327_6844.html

4. Unit 2 Reactor Building Truck Bay Door Roof Likely Source of Radioactivity in "K" Drainage Line (2/24/2015)

www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150224_01-e.pdf

5. Briefing to Fishermen's Association in Fukushima Prefecture Regarding Contaminated Water Issues (2/25/2015)

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150225_05-j.pdf

6. Unit 1 Reactor Building 4th Floor Inspection by Technical Committee of Niigata Prefecture (2/21/2015)

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150221_06-j.pdf

7. Third IAEA Review of Fukushima Daiichi Decommissioning Roadmap (2/17/2015)

<https://www.iaea.org/newscenter/pressreleases/iaea-team-completed-third-review-japans-plans-decommission-fukushima>

(photos)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150217_03-e.pdf

All the best,
Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, February 12, 2015 10:37 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Feb. 13, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Feb. 13, 2015 at 3 pm Eastern Standard Time

(**No Call Next Week**. Next call will be on **Fri, Feb. 27** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. NRA Special Facilities Monitoring and Evaluation Committee (2/9/2015)

(only in Japanese)

1-1. Closure of Seawater Piping Trenches of Units 2, 3, 4

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0031_02.pdf

1-2. Water Level Management after Operation of Frozen-Soil Wall (summary)

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0031_03.pdf

1-3. Water Level Management after Operation of Frozen-Soil Wall (reference information)

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0031_08.pdf

2. Installation of Muon Detectors for Fuel Debris Detection at Unit 1 (2/9/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1248057_6844.html

(photos)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150209_01-e.pdf

3. *"The Great Race: The Global Quest for the Car of the Future"*

<http://amzn.com/B00LD1OP0Q>

This book features TEPCO's current Chief Nuclear Officer, Takafumi Anegawa, as a visionary who jump started Japan's electric vehicle industry.

All the best,
Kenji

From: Tateiwa, Kenji
Sent: 5 Feb 2015 21:24:13 -0500
To: Tateiwa, Kenji
Subject: [TEPCO Weekly Fukushima Update Call] Fri, Feb. 6, 2015 at 3pm EST
Importance: Normal

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Feb. 6, 2015 at 3 pm Eastern Standard Time
(Next call will be on **Fri, Feb. 13** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

1. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues (1/30/2015)

(only in Japanese)

1-1. Water Contamination Monitoring and Effectiveness of Groundwater Bypass System

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150130_03-j.pdf

1-2. Wind Velocity Simulation Inside Unit 1 Reactor Building Cover

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150130_04-j.pdf

1-3. Response to Various Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150130_07-j.pdf

(page 6/116) ALPS Status

(page 10/116) Various Water Treatment Systems

(page 19/116) Filling Up Seawater Piping Trenches

(page 38/116) Subdrain System

(page 41/116) Frozen Soil Wall

(page 85/116) Radioactivity in Units 1-3 Discharge Canal

2. Causes of Significant Occupational Safety Issues at 1F/2F/KK and Countermeasures (2/3/2015)

(only in Japanese)

http://www.tepco.co.jp/cc/press/betu15_j/images/150202j0301.pdf

3. Nuclear Safety Reform Plan 2014 Q3 Progress Report (2/3/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1247946_6844.html

4. IAEA OSART Preparatory Meeting at Kashiwazaki Kariwa (2/2~5/2015)

(only in Japanese)

<http://www.tepco.co.jp/kk-np/data/publication/pdf/2014/270205.pdf>

5. Removal of Highly Contaminated Water Inside Seawater Piping Trenches (1/28/2015)

(video clip)

http://www.tepco.co.jp/en/news/library/archive-e.html?video_uuid=iwz87j2v&catid=69631

6. TEPCO Official English YouTube

<https://www.youtube.com/user/OfficialTEPCOen>

* If you cannot display Japanese characters, please install the following font packs:

<http://www.adobe.com/support/downloads/detail.jsp?ftpID=4881>

(Feel free to forward this email to your colleagues or have them contact me to be added to the distribution list.)

All the best,
Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
2121 K Street, NW Suite 910
Washington, DC 20037
tel: +1-202-457-0790 (ext.)116

(b)(6)

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, January 29, 2015 8:53 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Jan. 30, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Jan. 30, 2015 at 3 pm Eastern Standard Time

(Next call will be on **Fri, Feb. 6** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

**1. Working-level Meeting of Decommissioning & Contaminated Water Issues Team
(1/29/2015)**

(only in Japanese)

1-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_04-j.pdf

1-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_05-j.pdf

(English translation as of 12/25/2014)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d141225_01-e.pdf

1-3. Retrieval of Thermocouple Installed in Unit 2 RPV Bottom via SLC Line

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_06-j.pdf

1-4. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_07-j.pdf

1-5. Environmental Radiation Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_08-j.pdf

1-6. Work Condition Improvement

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_09-j.pdf

1-7. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_10-j.pdf

1-8. Preparation for Fuel Debris Removal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_11-j.pdf

1-9. Radioactive Waste Disposal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_12-j.pdf

1-10. Status Update of Study on Alternate Core Debris Retrieval Methods (METI)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_14-j.pdf

1-11. Strategic Plan and Risk Mitigation (Nuclear Damage Compensation and Decommissioning Facilitation Corporation)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_15-j.pdf

2. Updated Schedule on Completion of Contaminated Water Treatment (1/23/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150123_02-e.pdf

3. Occupational Safety Corrective Actions (1/26/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150126_01-e.pdf

4. National Academy of Sciences Fukushima Lessons Learned Committee Phase 2 #3 (1/29/2015)

<http://www8.nationalacademies.org/cp/meetingview.aspx?MeetingId=7732>

Attached is a compact version of TEPCO's presentation.

Let me know if you would like to receive the original sized file.

All the best,
Kenji

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

From: [Tateiwa, Kenji \(mobile\)](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, January 22, 2015 10:09 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Jan. 23, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Jan. 23, 2015 at 3 pm Eastern Standard Time

(Next call will be on **Fri, Jan. 30** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Briefing Materials for Fishermen's Association of Iwaki City (1/16/2015)

(only in Japanese)

1-1. Addition of Sr-Removal Capability to KURION and SARRY Systems

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150119_03-j.pdf

1-2. Illustration of Contaminated Water Removal Process from Underground Piping Trenches

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150116_10-j.pdf

1-3. Treated Water Discharge Criteria for Subdrain and Groundwater Drain Systems

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150116_07-j.pdf

2. Contract Worker Dies After Falling Into Rainwater Receiving Tank at Fukushima Daiichi (1/19/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150119_01-e.pdf

All the best,
Kenji

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

From: Tateiwa, Kenji

To: Tateiwa, Kenji

Sent: Thursday, January 15, 2015 8:41 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Jan. 16, 2015 at 3pm EST

Nuclear Sector Colleagues,

Happy New Year!

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Jan. 16, 2015 at 3 pm Eastern Standard Time

(Next call will be on **Fri, Jan. 23** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Working-level Meeting of Decommissioning & Contaminated Water Issues Team (12/25/2014)

(only in Japanese)

1-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_04-j.pdf

1-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_04-j.pdf

(English translation as of 11/27/2014)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d141127_01-e.pdf

1-3. Shortening the Length of Circulating Water Cooling System Loop

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_06-j.pdf

1-4. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_07-j.pdf

1-5. Environmental Radiation Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_08-j.pdf

1-6. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_10-j.pdf

1-7. Preparation for Fuel Debris Removal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_11-j.pdf

1-8. Radioactive Waste Disposal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_12-j.pdf

2. NRA Special Facilities Monitoring and Evaluation Committee (12/26/2014)

(only in Japanese)

2-1. Status of Filling Up Underground Seawater Piping Trenches

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_01.pdf

2-2. Measures to Achieve Incremental Effective Dose Limit at Site Boundary

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_03.pdf

2-3. Completion of Fuel Transfer from Unit 4 Spent Fuel Pool

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_05.pdf

2-4. Leakage of ALPS-Treated Water from J6 Tank Farm

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_06.pdf

3. IAEA to Review Fukushima Daiichi Decommissioning and Kashiwazaki Kariwa Operational Safety (1/7/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1247076_6844.html

4. Figures and Video Clips Describing Various Water Management Measures

<http://www.tepco.co.jp/en/decommission/planaction/waterprocessing-e.html>

5. Overview of Fukushima Daiichi Accident and Lessons Learned (33 MB)

<http://www.tepco.co.jp/en/decommission/accident/images/outline01.pdf>

All the best,

Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Monday, December 22, 2014 7:59 PM

Subject: [TEPCO Weekly Fukushima Update Call] TUE, Dec. 23 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

TUE, Dec. 23, 2014 at 3 pm Eastern Standard Time

(No call next two weeks. Next call will be on **Fri, Jan. 16, 2015** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues (12/19/2014)

(only in Japanese)

1-1. Removal of Cs and Sr from Seawater, etc.

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141219_03-j.pdf

1-2. Unit 1 Reactor Building Refueling Floor Inspection Results

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141219_05-j.pdf

1-3. Applicability of Plastic Scintillation Fiber (PSF) to Detect Minor Leakage from Tanks

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141219_07-j.pdf

1-4. Leakage of ALPS-Treated Water

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141219_08-j.pdf

1-5. Response to Various Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141219_09-j.pdf

2. Completion of Fuel Transfer from Unit 4 Spent Fuel Pool (12/22/2014)

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

2-1. Video Clip Summarizing Path to Success (6 minutes)

http://www.tepco.co.jp/en/news/library/archive-e.html?video_uuid=w220b15k&catid=61795

2-2. Video Message from Mr. Hirose, TEPCO's President (5 minutes)

http://www.tepco.co.jp/en/news/library/archive-e.html?video_uuid=w785h9cj&catid=61783

2-3. Explanation Slides (only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2014/images/handouts_141222_04-j.pdf

Happy holidays to you all!

All the best,
Kenji

From: Tateiwa, Kenji
Sent: 12 Feb 2015 22:37:40 -0500
To: Tateiwa, Kenji
Subject: [TEPCO Weekly Fukushima Update Call] Fri, Feb. 13, 2015 at 3pm EST
Importance: Normal

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Feb. 13, 2015 at 3 pm Eastern Standard Time
(**No Call Next Week**. Next call will be on **Fri, Feb. 27** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

1. NRA Special Facilities Monitoring and Evaluation Committee (2/9/2015)

(only in Japanese)

1-1. Closure of Seawater Piping Trenches of Units 2, 3, 4

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0031_02.pdf

1-2. Water Level Management after Operation of Frozen-Soil Wall (summary)

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0031_03.pdf

1-3. Water Level Management after Operation of Frozen-Soil Wall (reference information)

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0031_08.pdf

2. Installation of Muon Detectors for Fuel Debris Detection at Unit 1 (2/9/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1248057_6844.html

(photos)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150209_01-e.pdf

3. "The Great Race: The Global Quest for the Car of the Future"

<http://amzn.com/B00LD1OP0Q>

This book features TEPCO's current Chief Nuclear Officer, Takafumi Anegawa, as a visionary who jump started Japan's electric vehicle industry.

** If you cannot display Japanese characters, please install the following font packs:*

<http://www.adobe.com/support/downloads/detail.jsp?ftpID=4881>

(Feel free to forward this email to your colleagues or have them contact me to be added to the distribution list.)

All the best,
Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office

2121 K Street, NW Suite 910
Washington, DC 20037
tel: +1-202-457-0790 (ext.)116
(b)(6)

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

From: Tateiwa, Kenji

To: Tateiwa, Kenji

Sent: Thursday, February 05, 2015 9:24 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Feb. 6, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Feb. 6, 2015 at 3 pm Eastern Standard Time

(Next call will be on **Fri, Feb. 13** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues (1/30/2015)

(only in Japanese)

1-1. Water Contamination Monitoring and Effectiveness of Groundwater Bypass System

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150130_03-j.pdf

1-2. Wind Velocity Simulation Inside Unit 1 Reactor Building Cover

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150130_04-j.pdf

1-3. Response to Various Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150130_07-j.pdf

(page 6/116) ALPS Status

(page 10/116) Various Water Treatment Systems

(page 19/116) Filling Up Seawater Piping Trenches

(page 38/116) Subdrain System

(page 41/116) Frozen Soil Wall

(page 85/116) Radioactivity in Units 1-3 Discharge Canal

2. Causes of Significant Occupational Safety Issues at 1F/2F/KK and Countermeasures (2/3/2015)

(only in Japanese)

http://www.tepco.co.jp/cc/press/betu15_j/images/150202j0301.pdf

3. Nuclear Safety Reform Plan 2014 Q3 Progress Report (2/3/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1247946_6844.html

4. IAEA OSART Preparatory Meeting at Kashiwazaki Kariwa (2/2~5/2015)

(only in Japanese)

<http://www.tepco.co.jp/kk-np/data/publication/pdf/2014/270205.pdf>

5. Removal of Highly Contaminated Water Inside Seawater Piping Trenches (1/28/2015)

(video clip)

http://www.tepco.co.jp/en/news/library/archive-e.html?video_uuid=iwz87j2v&catid=69631

6. TEPCO Official English YouTube

<https://www.youtube.com/user/OfficialTEPCOen>

** If you cannot display Japanese characters, please install the following font packs:*

<http://www.adobe.com/support/downloads/detail.jsp?ftplD=4881>

(Feel free to forward this email to your colleagues or have them contact me to be added to the distribution list.)

All the best,
Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
2121 K Street, NW Suite 910
Washington, DC 20037
tel: +1-202-457-0790 (ext.)116

(b)(6)

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, January 29, 2015 8:53 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Jan. 30, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Jan. 30, 2015 at 3 pm Eastern Standard Time

(Next call will be on **Fri, Feb. 6** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Working-level Meeting of Decommissioning & Contaminated Water Issues Team (1/29/2015)

(only in Japanese)

1-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_04-j.pdf

1-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_05-j.pdf

(English translation as of 12/25/2014)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d141225_01-e.pdf

1-3. Retrieval of Thermocouple Installed in Unit 2 RPV Bottom via SLC Line

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_06-j.pdf

1-4. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_07-j.pdf

1-5. Environmental Radiation Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_08-j.pdf

1-6. Work Condition Improvement

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_09-j.pdf

1-7. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_10-j.pdf

1-8. Preparation for Fuel Debris Removal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_11-j.pdf

1-9. Radioactive Waste Disposal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_12-j.pdf

1-10. Status Update of Study on Alternate Core Debris Retrieval Methods (METI)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_14-j.pdf

1-11. Strategic Plan and Risk Mitigation (Nuclear Damage Compensation and Decommissioning Facilitation Corporation)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_15-j.pdf

2. Updated Schedule on Completion of Contaminated Water Treatment (1/23/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150123_02-e.pdf

3. Occupational Safety Corrective Actions (1/26/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150126_01-e.pdf

4. National Academy of Sciences Fukushima Lessons Learned Committee Phase 2 #3 (1/29/2015)

<http://www8.nationalacademies.org/cp/meetingview.aspx?MeetingId=7732>

Attached is a compact version of TEPCO's presentation.

Let me know if you would like to receive the original sized file.

All the best,

Kenji

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

From: Tateiwa, Kenji (mobile)

To: Tateiwa, Kenji

Sent: Thursday, January 22, 2015 10:09 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Jan. 23, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Jan. 23, 2015 at 3 pm Eastern Standard Time
(Next call will be on **Fri, Jan. 30** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

1. Briefing Materials for Fishermen's Association of Iwaki City (1/16/2015)

(only in Japanese)

1-1. Addition of Sr-Removal Capability to KURION and SARRY Systems

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150119_03-j.pdf

1-2. Illustration of Contaminated Water Removal Process from Underground Piping Trenches

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150116_10-j.pdf

1-3. Treated Water Discharge Criteria for Subdrain and Groundwater Drain Systems

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150116_07-j.pdf

2. Contract Worker Dies After Falling Into Rainwater Receiving Tank at Fukushima Daiichi (1/19/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150119_01-e.pdf

All the best,
Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, January 15, 2015 8:41 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Jan. 16, 2015 at 3pm EST

Nuclear Sector Colleagues,

Happy New Year!

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Jan. 16, 2015 at 3 pm Eastern Standard Time
(Next call will be on **Fri, Jan. 23** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

1. Working-level Meeting of Decommissioning & Contaminated Water Issues Team (12/25/2014)

(only in Japanese)

1-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_04-j.pdf

1-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_04-j.pdf

(English translation as of 11/27/2014)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d141127_01-e.pdf

1-3. Shortening the Length of Circulating Water Cooling System Loop

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_06-j.pdf

1-4. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_07-j.pdf

1-5. Environmental Radiation Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_08-j.pdf

1-6. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_10-j.pdf

1-7. Preparation for Fuel Debris Removal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_11-j.pdf

1-8. Radioactive Waste Disposal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_12-j.pdf

2. NRA Special Facilities Monitoring and Evaluation Committee (12/26/2014)

(only in Japanese)

2-1. Status of Filling Up Underground Seawater Piping Trenches

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_01.pdf

2-2. Measures to Achieve Incremental Effective Dose Limit at Site Boundary

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_03.pdf

2-3. Completion of Fuel Transfer from Unit 4 Spent Fuel Pool

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_05.pdf

2-4. Leakage of ALPS-Treated Water from J6 Tank Farm

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_06.pdf

3. IAEA to Review Fukushima Daiichi Decommissioning and Kashiwazaki Kariwa Operational Safety (1/7/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1247076_6844.html

4. Figures and Video Clips Describing Various Water Management Measures

<http://www.tepco.co.jp/en/decommision/planaction/waterprocessing-e.html>

5. Overview of Fukushima Daiichi Accident and Lessons Learned (33 MB)

<http://www.tepco.co.jp/en/decommision/accident/images/outline01.pdf>

All the best,
Kenji

From: Tateiwa, Kenji
Sent: 26 Feb 2015 21:50:13 -0500
To: Tateiwa, Kenji
Subject: [TEPCO Weekly Fukushima Update Call] Fri, Feb. 27, 2015 at 3pm EST
Importance: Normal

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Feb. 27, 2015 at 3 pm Eastern Standard Time
(**No Call Next Week**. Next call will be on **Fri, March 13** at 3 pm **EDT**.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

**1. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues
(2/23/2015)**

(only in Japanese)

1-1. Water Contamination Monitoring and Effectiveness of Groundwater Bypass System

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150223_04-j.pdf

1-2. Dismantling Plan for Unit 1 Reactor Building Cover

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150223_05-j.pdf

1-3. Occupational Safety Corrective Actions

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150223_06-j.pdf

1-4. Contaminated Water Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150223_12-j.pdf

**2. Working-level Meeting of Decommissioning & Contaminated Water Issues Team
(2/26/2015)**

(only in Japanese)

2-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_04-j.pdf

2-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_05-j.pdf

(English translation as of 1/29/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d150129_01-e.pdf

2-3. Re-insertion of Thermocouple into Unit 2 RPV Bottom via SLC Line

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_06-j.pdf

2-4. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_07-j.pdf

2-5. Environmental Radiation Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_08-j.pdf

2-6. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_10-j.pdf

2-7. Preparation for Fuel Debris Removal (3D Laser Scanning, Muon Tomography)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_11-j.pdf

2-8. D&D-Related R&D Progress and Future Plans

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_13-j.pdf

2-9. Selection of Technologies to Undergo Tritium-Separation Demonstration Testing

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_14-j.pdf

2-10. Establishment of Global Decommissioning Joint Research Center

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_15-j.pdf

3. Temporary Increase in Radioactivity in Downstream of "B and C" Drainage Line (2/24/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1248327_6844.html

4. Unit 2 Reactor Building Truck Bay Door Roof Likely Source of Radioactivity in "K" Drainage Line (2/24/2015)

www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150224_01-e.pdf

5. Briefing to Fishermen's Association in Fukushima Prefecture Regarding Contaminated Water Issues (2/25/2015)

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150225_05-j.pdf

6. Unit 1 Reactor Building 4th Floor Inspection by Technical Committee of Niigata Prefecture (2/21/2015)

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150221_06-j.pdf

7. Third IAEA Review of Fukushima Daiichi Decommissioning Roadmap (2/17/2015)

<https://www.iaea.org/newscenter/pressreleases/iaea-team-completed-third-review-japans-plans-decommission-fukushima>

(photos)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150217_03-e.pdf

** If you cannot display Japanese characters, please install the following font packs:*

<http://www.adobe.com/support/downloads/detail.jsp?ftplD=4881>

(Feel free to forward this email to your colleagues or have them contact me to be added to the distribution list.)

All the best,
Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
2121 K Street, NW Suite 910
Washington, DC 20037
tel: +1-202-457-0790 (ext.)116

(b)(6)

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, February 12, 2015 10:37 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Feb. 13, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Feb. 13, 2015 at 3 pm Eastern Standard Time

(**No Call Next Week**. Next call will be on **Fri, Feb. 27** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. NRA Special Facilities Monitoring and Evaluation Committee (2/9/2015)

(only in Japanese)

1-1. Closure of Seawater Piping Trenches of Units 2, 3, 4

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0031_02.pdf

1-2. Water Level Management after Operation of Frozen-Soil Wall (summary)

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0031_03.pdf

1-3. Water Level Management after Operation of Frozen-Soil Wall (reference information)

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0031_08.pdf

2. Installation of Muon Detectors for Fuel Debris Detection at Unit 1 (2/9/2015)

http://www.tepcoco.jp/en/press/corp-com/release/2015/1248057_6844.html

(photos)

http://www.tepcoco.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150209_01-e.pdf

3. "The Great Race: The Global Quest for the Car of the Future"

<http://amzn.com/B00LD1OP0Q>

This book features TEPCO's current Chief Nuclear Officer, Takafumi Anegawa, as a visionary who jump started Japan's electric vehicle industry.

All the best,

Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, February 05, 2015 9:24 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Feb. 6, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Feb. 6, 2015 at 3 pm Eastern Standard Time

(Next call will be on **Fri, Feb. 13** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues (1/30/2015)

(only in Japanese)

1-1. Water Contamination Monitoring and Effectiveness of Groundwater Bypass System

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/1150130_03-j.pdf

1-2. Wind Velocity Simulation Inside Unit 1 Reactor Building Cover

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/1150130_04-j.pdf

1-3. Response to Various Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/1150130_07-j.pdf

(page 6/116) ALPS Status

(page 10/116) Various Water Treatment Systems

(page 19/116) Filling Up Seawater Piping Trenches

(page 38/116) Subdrain System

(page 41/116) Frozen Soil Wall

(page 85/116) Radioactivity in Units 1-3 Discharge Canal

2. Causes of Significant Occupational Safety Issues at 1F/2F/KK and Countermeasures (2/3/2015)

(only in Japanese)

http://www.tepco.co.jp/cc/press/betu15_j/images/150202j0301.pdf

3. Nuclear Safety Reform Plan 2014 Q3 Progress Report (2/3/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1247946_6844.html

4. IAEA OSART Preparatory Meeting at Kashiwazaki Kariwa (2/2~5/2015)

(only in Japanese)

<http://www.tepco.co.jp/kk-np/data/publication/pdf/2014/270205.pdf>

5. Removal of Highly Contaminated Water Inside Seawater Piping Trenches (1/28/2015)

(video clip)

http://www.tepco.co.jp/en/news/library/archive-e.html?video_uuid=iwz87j2v&catid=69631

6. TEPCO Official English YouTube

<https://www.youtube.com/user/OfficialTEPCOen>

** If you cannot display Japanese characters, please install the following font packs:*

<http://www.adobe.com/support/downloads/detail.jsp?ftplID=4881>

(Feel free to forward this email to your colleagues or have them contact me to be added to the distribution list.)

All the best,
Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
2121 K Street, NW Suite 910
Washington, DC 20037
tel: +1-202-457-0790 (ext 1116)

(b)(6)

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

From: Tateiwa, Kenji

To: Tateiwa, Kenji

Sent: Thursday, January 29, 2015 8:53 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Jan. 30, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Jan. 30, 2015 at 3 pm Eastern Standard Time

(Next call will be on **Fri, Feb. 6** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6) 25057200#

[Major topics]

**1. Working-level Meeting of Decommissioning & Contaminated Water Issues Team
(1/29/2015)**

(only in Japanese)

1-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_04-j.pdf

1-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_05-j.pdf

(English translation as of 12/25/2014)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d141225_01-e.pdf

1-3. Retrieval of Thermocouple Installed in Unit 2 RPV Bottom via SLC Line

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_06-j.pdf

1-4. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_07-j.pdf

1-5. Environmental Radiation Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_08-j.pdf

1-6. Work Condition Improvement

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_09-j.pdf

1-7. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_10-j.pdf

1-8. Preparation for Fuel Debris Removal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_11-j.pdf

1-9. Radioactive Waste Disposal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_12-j.pdf

1-10. Status Update of Study on Alternate Core Debris Retrieval Methods (METI)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_14-j.pdf

1-11. Strategic Plan and Risk Mitigation (Nuclear Damage Compensation and Decommissioning Facilitation Corporation)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_15-j.pdf

2. Updated Schedule on Completion of Contaminated Water Treatment (1/23/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150123_02-e.pdf

3. Occupational Safety Corrective Actions (1/26/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150126_01-e.pdf

4. National Academy of Sciences Fukushima Lessons Learned Committee Phase 2 #3 (1/29/2015)

<http://www8.nationalacademies.org/cp/meetingview.aspx?MeetingId=7732>

Attached is a compact version of TEPCO's presentation.

Let me know if you would like to receive the original sized file.

All the best,
Kenji

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

From: Tateiwa, Kenji (b)(6)

To: Tateiwa, Kenji

Sent: Thursday, January 22, 2015 10:09 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Jan. 23, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Jan. 23, 2015 at 3 pm Eastern Standard Time

(Next call will be on **Fri, Jan. 30** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Briefing Materials for Fishermen's Association of Iwaki City (1/16/2015)

(only in Japanese)

1-1. Addition of Sr-Removal Capability to KURION and SARRY Systems

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150119_03-j.pdf

1-2. Illustration of Contaminated Water Removal Process from Underground Piping Trenches

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150116_10-j.pdf

1-3. Treated Water Discharge Criteria for Subdrain and Groundwater Drain Systems

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150116_07-j.pdf

2. Contract Worker Dies After Falling Into Rainwater Receiving Tank at Fukushima Daiichi (1/19/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150119_01-e.pdf

All the best,
Kenji

From: Tateiwa, Kenji
Sent: 15 Jan 2015 20:41:55 -0500
To: Tateiwa, Kenji
Subject: [TEPCO Weekly Fukushima Update Call] Fri, Jan. 16, 2015 at 3pm EST
Importance: Normal

Nuclear Sector Colleagues,

Happy New Year!

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Jan. 16, 2015 at 2 pm Eastern Standard Time
(Next call will be on **Fri, Jan. 23** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

1. Working-level Meeting of Decommissioning & Contaminated Water Issues Team (12/25/2014)

(only in Japanese)

1-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_04-j.pdf

1-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_04-j.pdf

(English translation as of 11/27/2014)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d141127_01-e.pdf

1-3. Shortening the Length of Circulating Water Cooling System Loop

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_06-j.pdf

1-4. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_07-j.pdf

1-5. Environmental Radiation Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_08-j.pdf

1-6. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_10-j.pdf

1-7. Preparation for Fuel Debris Removal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_11-j.pdf

1-8. Radioactive Waste Disposal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_12-j.pdf

2. NRA Special Facilities Monitoring and Evaluation Committee (12/26/2014)

(only in Japanese)

2-1. Status of Filling Up Underground Seawater Piping Trenches

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_01.pdf

2-2. Measures to Achieve Incremental Effective Dose Limit at Site Boundary

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_03.pdf

2-3. Completion of Fuel Transfer from Unit 4 Spent Fuel Pool

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_05.pdf

2-4. Leakage of ALPS-Treated Water from J6 Tank Farm

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_06.pdf

3. IAEA to Review Fukushima Daiichi Decommissioning and Kashiwazaki Kariwa Operational Safety (1/7/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1247076_6844.html

4. Figures and Video Clips Describing Various Water Management Measures

<http://www.tepco.co.jp/en/decommision/planaction/waterprocessing-e.html>

5. Overview of Fukushima Daiichi Accident and Lessons Learned (33 MB)

<http://www.tepco.co.jp/en/decommision/accident/images/outline01.pdf>

** If you cannot display Japanese characters, please install the following font packs:*

<http://www.adobe.com/support/downloads/detail.jsp?ftplD=4881>

(Feel free to forward this email to your colleagues or have them contact me to be added to the distribution list.)

All the best,
Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
2121 K Street, NW Suite 910
Washington, DC 20037
tel: +1-202-457-0790 (ext.)116

(b)(6)

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Monday, December 22, 2014 7:59 PM

Subject: [TEPCO Weekly Fukushima Update Call] TUE, Dec. 23 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

TUE, Dec. 23, 2014 at 3 pm Eastern Standard Time

(No call next two weeks. Next call will be on **Fri, Jan. 16, 2015** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

1. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues (12/19/2014)

(only in Japanese)

1-1. Removal of Cs and Sr from Seawater, etc.

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141219_03-j.pdf

1-2. Unit 1 Reactor Building Refueling Floor Inspection Results

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141219_05-j.pdf

1-3. Applicability of Plastic Scintillation Fiber (PSF) to Detect Minor Leakage from Tanks

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141219_07-j.pdf

1-4. Leakage of ALPS-Treated Water

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141219_08-j.pdf

1-5. Response to Various Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141219_09-j.pdf

2. Completion of Fuel Transfer from Unit 4 Spent Fuel Pool (12/22/2014)

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

2-1. Video Clip Summarizing Path to Success (6 minutes)

http://www.tepco.co.jp/en/news/library/archive-e.html?video_uuid=w220b15k&catid=61795

2-2. Video Message from Mr. Hirose, TEPCO's President (5 minutes)

http://www.tepco.co.jp/en/news/library/archive-e.html?video_uuid=w785h9cj&catid=61783

2-3. Explanation Slides (only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2014/images/handouts_141222_04-j.pdf

Happy holidays to you all!

All the best,
Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, December 11, 2014 10:07 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Dec. 12 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Dec. 12th, 2014 at 3 pm Eastern Standard Time

(**No call next week**. Next call will be on **TUE, Dec. 23** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

1. Overview of Measures to Treat Contaminated Water

<http://www.tepco.co.jp/en/decommision/planaction/waterprocessing-e.html>

2. Explanation on Subdrain and Groundwater Drain Systems to the Fishermen's Association of Iwaki City (12/10/2014)

(only in Japanese)

2-1. Confirmation of Stable Performance in Removing Radionuclides from Subdrain and Groundwater Drain

http://www.tepco.co.jp/nu/fukushima-np/handouts/2014/images/handouts_141210_06-j.pdf

2-2. Basic Concept of Operating the Subdrain and Groundwater Drain Systems

http://www.tepco.co.jp/nu/fukushima-np/handouts/2014/images/handouts_141210_07-j.pdf

2-3. Detection of High Concentration of Radioactivity from Subdrain Pits # 18/19 and Measures Taken

http://www.tepco.co.jp/nu/fukushima-np/handouts/2014/images/handouts_141210_09-j.pdf

3. Approval by NRA on Design Modification to add Sr Removal Capability to SARRY (Cs Removal) System (12/11/2014)

(only in Japanese; 8.8 MB, 372 pages)

http://www.tepco.co.jp/cc/press/betu14_j/images/141211j0101.pdf

All the best,
Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, December 04, 2014 9:35 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Dec. 5 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Dec. 5th, 2014 at 3 pm Eastern Standard Time

(Next call will be on **Fri, Dec. 12** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

1. Contaminated Water Countermeasures Committee (11/13/2014)

(only in Japanese)

1-1. Status of Contaminated Water Countermeasures and Risk Map

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c141113_03-j.pdf

1-2. Recent Topics at 1F

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c141113_04-j.pdf

1-3. Task Force on Frozen Soil Wall

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c141113_06-j.pdf

1-4. Demonstration Test for High-performance ALPS

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c141113_07-j.pdf

1-5. Task Force on Tritiated Water

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c141113_08-j.pdf

1-6. Study on Shallow Ground Disposal of Tritiated Water

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c141113_09-j.pdf

1-7. Status of Contaminated Water Treatment Technology Demonstration Testing

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c141113_10-j.pdf

2. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues (11/25/2014)

(only in Japanese)

2-1. Status of Onsite Work Related to Contaminated Water Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141125_03-j.pdf

2-2. Response to Issues Raised at the Coordination Meeting

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141125_04-j.pdf

2-3. Procedure for Closure of Frozen Soil Wall

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141125_05-j.pdf

3. Working-level Meeting of Decommissioning & Contaminated Water Issues Team (11/27/2014)

(only in Japanese)

3-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_04-j.pdf

3-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_05-j.pdf

3-3. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_07-j.pdf

3-4. Environmental Radion Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_08-j.pdf

3-5. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_10-j.pdf

3-6. 3D Laser Scanning in Unit 1 Torus Room

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_11-j.pdf

3-7. Solid Radioactive Waste Treatment and Disposal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_12-j.pdf

3-8. Progress on Emergency Safety Enhancement

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_14-j.pdf

4. Introduction of ICP-MS Method Allowing Quicker Measurement of Sr-90 in Water
http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2014/images/handouts_141127_01-e.pdf

All the best,
Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Monday, November 24, 2014 10:51 AM

Subject: NO CALL THIS WEEK [TEPCO Weekly Fukushima Update Call] Next on Fri, Dec. 5 at 3pm EST

Nuclear Sector Colleagues,

Due to unavoidable change in schedule, I will have to **cancel the call planned for tomorrow (Tue, Nov. 25.)**
Next call will be on **Fri, Dec. 5th** at 3 PM.

Apologies for any inconvenience this may cause you.
Feel free to contact me should you have any questions.

All the best,
Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Wednesday, November 12, 2014 7:09 PM

Subject: [TEPCO Weekly Fukushima Update Call] THU, Nov. 13 at 3 pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

THU, Nov. 13, 2014 at 3 pm Eastern Standard Time
(**No call next week.** Next call will be on **TUE, Nov. 25** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

1. Unit 1 Reactor Building Cover Roof Panel Removal (11/10/2014)

<http://photo.tepco.co.jp/en/date/2014/201411-e/141110-01e.html>

2. TEPCO's Statement on Detection of Trace Amounts of Cs-134 Off U.S. West Coast (11/11/2014)

http://www.tepco.co.jp/en/press/corp-com/release/2014/1243939_5892.html

2.1 Woods Hole Oceanographic Institution's Press Release

<http://www.whoi.edu/news-release/Fukushima-detection>

2.2 Discussion Board on the New REDDIT Journal of Science

http://www.reddit.com/r/science/comments/2lusz5/science_ama_series_im_ken_buesseler_an/?limit=500

3. Radioactivity in Seawater Near Fukushima Daiichi (11/12/2014)

<http://www.tepco.co.jp/en/nu/fukushima-np/f1/smp/index-e.html>

3.1 Inside the Port of 1F

http://www.tepco.co.jp/en/nu/fukushima-np/f1/smp/2014/images/intake_canal_map-e.pdf

3.2 Outside the Port of 1F

http://www.tepco.co.jp/en/nu/fukushima-np/f1/smp/2014/images/seawater_map-e.pdf

4. Summary Status of Decommissioning Roadmap--English Translation (9/25/2014)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d140925_01-e.pdf

5. Large-Scale Emergency Drill at Kashiwazaki Kariwa NPS (11/11/2014)

(only in Japanese)

<http://www.tepco.co.jp/nu/kk-np/info/tohoku/2014/pdf/26110702.pdf>

(photos)

<http://photo.tepco.co.jp/en/date/2014/201411-e/141111-01e.html>

All the best,
Kenji

From: Tateiwa, Kenji (mobile)
Sent: 22 Jan 2015 22:09:56 -0500
To: Tateiwa, Kenji
Subject: [TEPCO Weekly Fukushima Update Call] Fri, Jan. 23, 2015 at 3pm EST
Importance: Normal

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Jan. 23, 2015 at 3 pm Eastern Standard Time
(Next call will be on **Fri, Jan. 30** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

1. Briefing Materials for Fishermen's Association of Iwaki City (1/16/2015)

(only in Japanese)

1-1. Addition of Sr-Removal Capability to KURION and SARRY Systems

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150119_03-j.pdf

1-2. Illustration of Contaminated Water Removal Process from Underground Piping

Trenches

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150116_10-j.pdf

1-3. Treated Water Discharge Criteria for Subdrain and Groundwater Drain Systems

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150116_07-j.pdf

2. Contract Worker Dies After Falling Into Rainwater Receiving Tank at Fukushima Daiichi (1/19/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150119_01-e.pdf

** If you cannot display Japanese characters, please install the following font packs:*

<http://www.adobe.com/support/downloads/detail.jsp?ftpID=4881>

(Feel free to forward this email to your colleagues or have them contact me to be added to the distribution list.)

All the best,
Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
2121 K Street, NW Suite 910
Washington, DC 20037
tel: +1-202-457-0790 (ext.)116

(b)(6)

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

From: [Tateiwa, Kenji](#)

To: Tateiwa, Kenji

Sent: Thursday, January 15, 2015 8:41 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Jan. 16, 2015 at 3pm EST

Nuclear Sector Colleagues,

Happy New Year!

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Jan. 16, 2015 at 3 pm Eastern Standard Time

(Next call will be on **Fri, Jan. 23** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Working-level Meeting of Decommissioning & Contaminated Water Issues Team (12/25/2014)

(only in Japanese)

1-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_04-j.pdf

1-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_04-j.pdf

(English translation as of 11/27/2014)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d141127_01-e.pdf

1-3. Shortening the Length of Circulating Water Cooling System Loop

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_06-j.pdf

1-4. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_07-j.pdf

1-5. Environmental Radiation Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_08-j.pdf

1-6. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_10-j.pdf

1-7. Preparation for Fuel Debris Removal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_11-j.pdf

1-8. Radioactive Waste Disposal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_12-j.pdf

2. NRA Special Facilities Monitoring and Evaluation Committee (12/26/2014)

(only in Japanese)

2-1. Status of Filling Up Underground Seawater Piping Trenches

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_01.pdf

2-2. Measures to Achieve Incremental Effective Dose Limit at Site Boundary

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_03.pdf

2-3. Completion of Fuel Transfer from Unit 4 Spent Fuel Pool

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_05.pdf

2-4. Leakage of ALPS-Treated Water from J6 Tank Farm

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_06.pdf

3. IAEA to Review Fukushima Daiichi Decommissioning and Kashiwazaki Kariwa Operational Safety (1/7/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1247076_6844.html

4. Figures and Video Clips Describing Various Water Management Measures

<http://www.tepco.co.jp/en/decommision/planaction/waterprocessing-e.html>

5. Overview of Fukushima Daiichi Accident and Lessons Learned (33 MB)

<http://www.tepco.co.jp/en/decommision/accident/images/outline01.pdf>

All the best,
Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Monday, December 22, 2014 7:59 PM

Subject: [TEPCO Weekly Fukushima Update Call] TUE, Dec. 23 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

TUE, Dec. 23, 2014 at 3 pm Eastern Standard Time

(**No call next two weeks**. Next call will be on **Fri, Jan. 16, 2015** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues (12/19/2014)

(only in Japanese)

1-1. Removal of Cs and Sr from Seawater, etc.

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/141219_03-j.pdf

1-2. Unit 1 Reactor Building Refueling Floor Inspection Results

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/141219_05-j.pdf

1-3. Applicability of Plastic Scintillation Fiber (PSF) to Detect Minor Leakage from Tanks

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/141219_07-j.pdf

1-4. Leakage of ALPS-Treated Water

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141219_08-j.pdf

1-5. Response to Various Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141219_09-j.pdf

2. Completion of Fuel Transfer from Unit 4 Spent Fuel Pool (12/22/2014)

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

2-1. Video Clip Summarizing Path to Success (6 minutes)

http://www.tepco.co.jp/en/news/library/archive-e.html?video_uuid=w220b15k&catid=61795

2-2. Video Message from Mr. Hirose, TEPCO's President (5 minutes)

http://www.tepco.co.jp/en/news/library/archive-e.html?video_uuid=w785h9cj&catid=61783

2-3. Explanation Slides (only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2014/images/handouts_141222_04-j.pdf

Happy holidays to you all!

All the best,
Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, December 11, 2014 10:07 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Dec. 12 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Dec. 12th, 2014 at 3 pm Eastern Standard Time

(**No call next week**. Next call will be on **TUE, Dec. 23** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Overview of Measures to Treat Contaminated Water

<http://www.tepco.co.jp/en/decommision/planaction/waterprocessing-e.html>

2. Explanation on Subdrain and Groundwater Drain Systems to the Fishermen's Association of Iwaki City (12/10/2014)

(only in Japanese)

2-1. Confirmation of Stable Performance in Removing Radionuclides from Subdrain and Groundwater Drain

http://www.tepco.co.jp/nu/fukushima-np/handouts/2014/images/handouts_141210_06-j.pdf

2-2. Basic Concept of Operating the Subdrain and Groundwater Drain Systems

http://www.tepco.co.jp/nu/fukushima-np/handouts/2014/images/handouts_141210_07-j.pdf

2-3. Detection of High Concentration of Radioactivity from Subdrain Pits # 18/19 and Measures Taken

http://www.tepco.co.jp/nu/fukushima-np/handouts/2014/images/handouts_141210_09-j.pdf

3. Approval by NRA on Design Modification to add Sr Removal Capability to SARRY (Cs Removal) System (12/11/2014)

(only in Japanese; 8.8 MB, 372 pages)

http://www.tepco.co.jp/cc/press/betu14_j/images/141211j0101.pdf

All the best,
Kenji

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

From: Tateiwa, Kenji

To: Tateiwa, Kenji

Sent: Thursday, December 04, 2014 9:35 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Dec. 5 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Dec. 5th, 2014 at 3 pm Eastern Standard Time

(Next call will be on **Fri, Dec. 12** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Contaminated Water Countermeasures Committee (11/13/2014)

(only in Japanese)

1-1. Status of Contaminated Water Countermeasures and Risk Map

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c141113_03-j.pdf

1-2. Recent Topics at 1F

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c141113_04-j.pdf

1-3. Task Force on Frozen Soil Wall

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c141113_06-j.pdf

1-4. Demonstration Test for High-performance ALPS

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c141113_07-j.pdf

1-5. Task Force on Tritiated Water

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c141113_08-j.pdf

1-6. Study on Shallow Ground Disposal of Tritiated Water

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c141113_09-j.pdf

1-7. Status of Contaminated Water Treatment Technology Demonstration Testing
http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c141113_10-j.pdf

2. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues (11/25/2014)

(only in Japanese)

2-1. Status of Onsite Work Related to Contaminated Water Issues
http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141125_03-j.pdf

2-2. Response to Issues Raised at the Coordination Meeting
http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141125_04-j.pdf

2-3. Procedure for Closure of Frozen Soil Wall
http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141125_05-j.pdf

3. Working-level Meeting of Decommissioning & Contaminated Water Issues Team (11/27/2014)

(only in Japanese)

3-1. Plant Status
http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_04-j.pdf

3-2. Summary Status of Decommissioning Roadmap
http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_05-j.pdf

3-3. Contaminated Water Treatment
http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_07-j.pdf

3-4. Environmental Radion Issues
http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_08-j.pdf

3-5. Spent Fuel Pool Issues
http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_10-j.pdf

3-6. 3D Laser Scanning in Unit 1 Torus Room
http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_11-j.pdf

3-7. Solid Radioactive Waste Treatment and Disposal
http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_12-j.pdf

3-8. Progress on Emergency Safety Enhancement
http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_14-j.pdf

4. Introduction of ICP-MS Method Allowing Quicker Measurement of Sr-90 in Water
http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2014/images/handouts_141127_01-e.pdf

All the best,
Kenji

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

From: Tateiwa, Kenji

To: Tateiwa, Kenji

Sent: Monday, November 24, 2014 10:51 AM

Subject: NO CALL THIS WEEK [TEPCO Weekly Fukushima Update Call] Next on Fri, Dec. 5 at 3pm EST

Nuclear Sector Colleagues,

Due to unavoidable change in schedule, I will have to **cancel the call planned for tomorrow (Tue, Nov. 25.)**

Next call will be on **Fri, Dec. 5th** at 3 PM.

Apologies for any inconvenience this may cause you.
Feel free to contact me should you have any questions.

All the best,
Kenji

From: Tateiwa, Kenji
Sent: 29 Jan 2015 20:53:29 -0500
To: Tateiwa, Kenji
Subject: [TEPCO Weekly Fukushima Update Call] Fri, Jan. 30, 2015 at 3pm EST
Attachments: Fukushima Spent Fuel Issues@NAS_01292015_c.pdf
Importance: Normal

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Jan. 30, 2015 at 3 pm Eastern Standard Time
(Next call will be on **Fri, Feb. 6** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

**1. Working-level Meeting of Decommissioning & Contaminated Water Issues Team
(1/29/2015)**

(only in Japanese)

1-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_04-j.pdf

1-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_05-j.pdf

(English translation as of 12/25/2014)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d141225_01-e.pdf

1-3. Retrieval of Thermocouple Installed in Unit 2 RPV Bottom via SLC Line

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_06-j.pdf

1-4. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_07-j.pdf

1-5. Environmental Radiation Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_08-j.pdf

1-6. Work Condition Improvement

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_09-j.pdf

1-7. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_10-j.pdf

1-8. Preparation for Fuel Debris Removal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_11-j.pdf

1-9. Radioactive Waste Disposal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_12-j.pdf

1-10. Status Update of Study on Alternate Core Debris Retrieval Methods (METI)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_14-j.pdf

1-11. Strategic Plan and Risk Mitigation (Nuclear Damage Compensation and Decommissioning Facilitation Corporation)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_15-j.pdf

2. Updated Schedule on Completion of Contaminated Water Treatment (1/23/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150123_02-e.pdf

3. Occupational Safety Corrective Actions (1/26/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150126_01-e.pdf

4. National Academy of Sciences Fukushima Lessons Learned Committee Phase 2 #3 (1/29/2015)

<http://www8.nationalacademies.org/cp/meetingview.aspx?MeetingId=7732>

Attached is a compact version of TEPCO's presentation.

Let me know if you would like to receive the original sized file.

** If you cannot display Japanese characters, please install the following font packs:*

<http://www.adobe.com/support/downloads/detail.jsp?ftplD=4881>

(Feel free to forward this email to your colleagues or have them contact me to be added to the distribution list.)

All the best,

Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
2121 K Street, NW Suite 910
Washington, DC 20037
tel: +1-202-457-0790 (ext.)116

(b)(6)

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

From: Tateiwa, Kenji (mobile)

To: Tateiwa, Kenji

Sent: Thursday, January 22, 2015 10:09 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Jan. 23, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Jan. 23, 2015 at 3 pm Eastern Standard Time

(Next call will be on **Fri, Jan. 30** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Briefing Materials for Fishermen's Association of Iwaki City (1/16/2015)

(only in Japanese)

1-1. Addition of Sr-Removal Capability to KURION and SARRY Systems

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150119_03-j.pdf

1-2. Illustration of Contaminated Water Removal Process from Underground Piping Trenches

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150116_10-j.pdf

1-3. Treated Water Discharge Criteria for Subdrain and Groundwater Drain Systems

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150116_07-j.pdf

2. Contract Worker Dies After Falling Into Rainwater Receiving Tank at Fukushima Daiichi (1/19/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150119_01-e.pdf

All the best,
Kenji

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

From: Tateiwa, Kenji

To: Tateiwa, Kenji

Sent: Thursday, January 15, 2015 8:41 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Jan. 16, 2015 at 3pm EST

Nuclear Sector Colleagues,

Happy New Year!

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Jan. 16, 2015 at 3 pm Eastern Standard Time

(Next call will be on **Fri, Jan. 23** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Working-level Meeting of Decommissioning & Contaminated Water Issues Team (12/25/2014)

(only in Japanese)

1-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_04-j.pdf

1-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_04-j.pdf

(English translation as of 11/27/2014)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d141127_01-e.pdf

1-3. Shortening the Length of Circulating Water Cooling System Loop

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_06-j.pdf

1-4. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_07-j.pdf

1-5. Environmental Radiation Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_08-j.pdf

1-6. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_10-j.pdf

1-7. Preparation for Fuel Debris Removal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_11-j.pdf

1-8. Radioactive Waste Disposal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_12-j.pdf

2. NRA Special Facilities Monitoring and Evaluation Committee (12/26/2014)
(only in Japanese)

2-1. Status of Filling Up Underground Seawater Piping Trenches

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_01.pdf

2-2. Measures to Achieve Incremental Effective Dose Limit at Site Boundary

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_03.pdf

2-3. Completion of Fuel Transfer from Unit 4 Spent Fuel Pool

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_05.pdf

2-4. Leakage of ALPS-Treated Water from J6 Tank Farm

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_06.pdf

3. IAEA to Review Fukushima Daiichi Decommissioning and Kashiwazaki Kariwa Operational Safety (1/7/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1247076_6844.html

4. Figures and Video Clips Describing Various Water Management Measures

<http://www.tepco.co.jp/en/decommision/planaction/waterprocessing-e.html>

5. Overview of Fukushima Daiichi Accident and Lessons Learned (33 MB)

<http://www.tepco.co.jp/en/decommision/accident/images/outline01.pdf>

All the best,
Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Monday, December 22, 2014 7:59 PM

Subject: [TEPCO Weekly Fukushima Update Call] TUE, Dec. 23 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

TUE, Dec. 23, 2014 at 3 pm Eastern Standard Time

(**No call next two weeks**. Next call will be on **Fri, Jan. 16, 2015** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues (12/19/2014)

(only in Japanese)

1-1. Removal of Cs and Sr from Seawater, etc.

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141219_03-j.pdf

1-2. Unit 1 Reactor Building Refueling Floor Inspection Results

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141219_05-j.pdf

1-3. Applicability of Plastic Scintillation Fiber (PSF) to Detect Minor Leakage from Tanks

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141219_07-j.pdf

1-4. Leakage of ALPS-Treated Water

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141219_08-j.pdf

1-5. Response to Various Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141219_09-j.pdf

2. Completion of Fuel Transfer from Unit 4 Spent Fuel Pool (12/22/2014)

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

2-1. Video Clip Summarizing Path to Success (6 minutes)

http://www.tepco.co.jp/en/news/library/archive-e.html?video_uuid=w220b15k&catid=61795

2-2. Video Message from Mr. Hirose, TEPCO's President (5 minutes)

http://www.tepco.co.jp/en/news/library/archive-e.html?video_uuid=w785h9cj&catid=61783

2-3. Explanation Slides (only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2014/images/handouts_141222_04-j.pdf

Happy holidays to you all!

All the best,

Kenji

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

From: Tateiwa, Kenji

To: Tateiwa, Kenji

Sent: Thursday, December 11, 2014 10:07 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Dec. 12 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Dec. 12th, 2014 at 3 pm Eastern Standard Time

(No call next week. Next call will be on **TUE, Dec. 23** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

1. Overview of Measures to Treat Contaminated Water

<http://www.tepco.co.jp/en/decommission/planaction/waterprocessing-e.html>

2. Explanation on Subdrain and Groundwater Drain Systems to the Fishermen's Association of Iwaki City (12/10/2014)

(only in Japanese)

2-1. Confirmation of Stable Performance in Removing Radionuclides from Subdrain and Groundwater Drain

http://www.tepco.co.jp/nu/fukushima-np/handouts/2014/images/handouts_141210_06-j.pdf

2-2. Basic Concept of Operating the Subdrain and Groundwater Drain Systems

http://www.tepco.co.jp/nu/fukushima-np/handouts/2014/images/handouts_141210_07-j.pdf

2-3. Detection of High Concentration of Radioactivity from Subdrain Pits # 18/19 and Measures Taken

http://www.tepco.co.jp/nu/fukushima-np/handouts/2014/images/handouts_141210_09-j.pdf

3. Approval by NRA on Design Modification to add Sr Removal Capability to SARRY (Cs Removal) System (12/11/2014)

(only in Japanese; 8.8 MB, 372 pages)

http://www.tepco.co.jp/cc/press/betu14_j/images/141211j0101.pdf

All the best,
Kenji

Spent Fuel and Spent Fuel Storage Facilities at Fukushima Daiichi

The National Academies
"Lessons Learned from the Fukushima Nuclear Accident for Improving Safety and Security of U.S. Nuclear Plants: Phase 2"
Meeting #3

Washington, DC
 January 29th, 2015

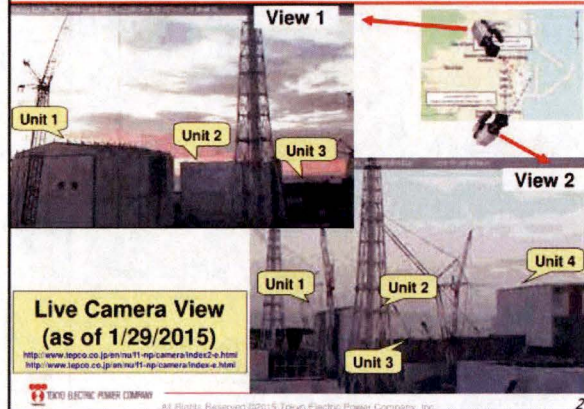
Kenji Tateiwa

Manager, Nuclear Power Programs
 Tokyo Electric Power Company, Washington Office
 tateiwa.kenji@tepcoco.jp

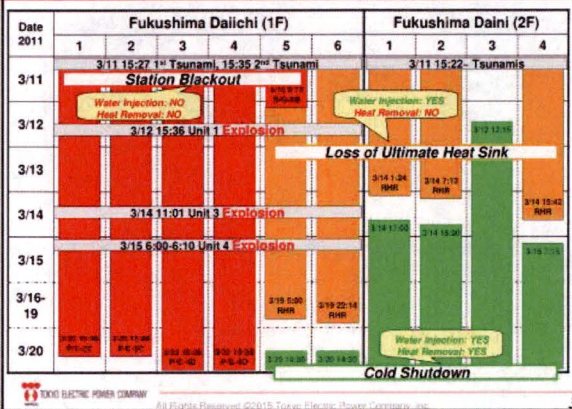


All Rights Reserved ©2015 Tokyo Electric Power Company, Inc.

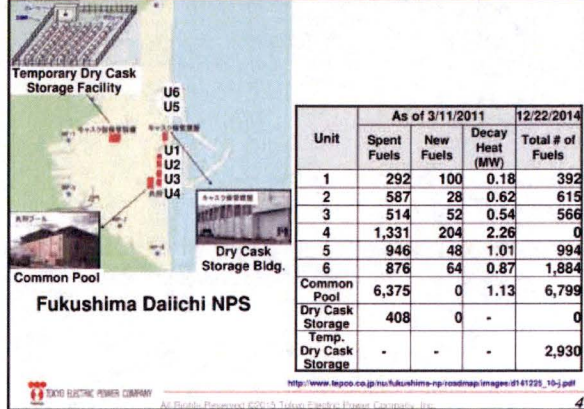
Current Status of Fukushima Daiichi (1F)



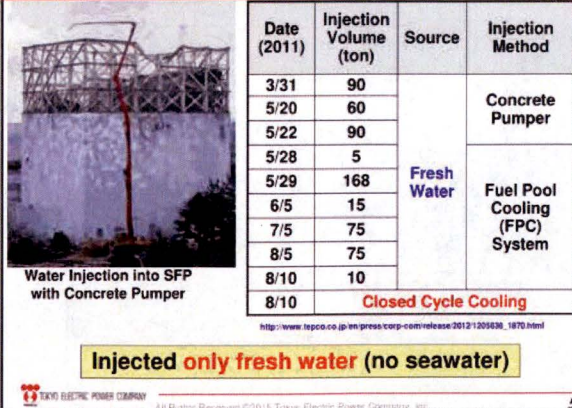
Overview of the 10-Unit Simultaneous Accidents



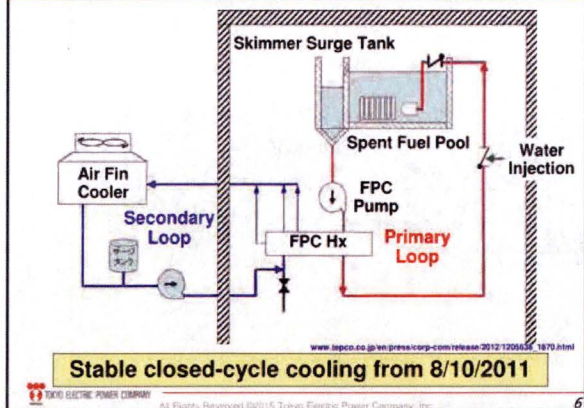
Spent Fuel Storage Facilities: Overview



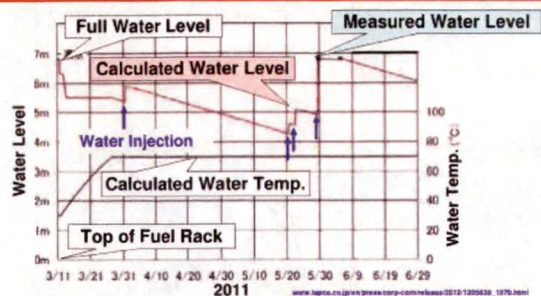
Unit 1 Spent Fuel Pool: Water Injection



Unit 1 SFP: Closed-Cycle Cooling



Unit 1 SFP: Reconstruction of Events



Water level highly **unlikely** to have dropped close to top of fuel rack

TOYO ELECTRIC POWER COMPANY

All Rights Reserved ©2011 Toyo Electric Power Company, Inc.

7

Unit 1 SFP: Water Chemistry

| Radio Nuclide | Half Life | Concentration (Bq/cm ³) | | | |
|---------------|-----------|-------------------------------------|------------------|--------------|-----------------|
| | | Unit 1 Skimmer Surge Tank | Unit 1 SFP | Unit 1 T/B | |
| Cs-134 | 2 years | 6/22/2011 12,000 | 8/19/2011 18,000 | 2/11/2011 ND | 3/26/2011 1.2E5 |
| Cs-137 | 30 years | 14,000 | 23,000 | 0.078 | 1.3E5 |
| I-131 | 8 days | 68 | ND | ND | 1.5E5 |

http://www.tepco.co.jp/en/press/corp-comm/release/2012/1205030_1070.html

| | 6/22/2011 | 7/17/2012 |
|----------------|-----------|-----------|
| Chloride (ppm) | 4.4 | 5.0 |

http://www.tepco.co.jp/en/fukushima-ep-roadmap/images/m120924_05-j.pdf

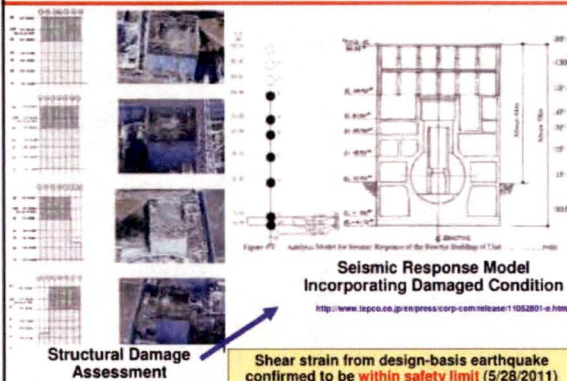
- I-131 most likely to have **originated from reactor**, not SFP (all fuels >1 year after shutdown)
- Injection of **hydrazine** for microbes prevention

TOYO ELECTRIC POWER COMPANY

All Rights Reserved ©2011 Toyo Electric Power Company, Inc.

8

Unit 1 SFP: Structural Integrity Assessment



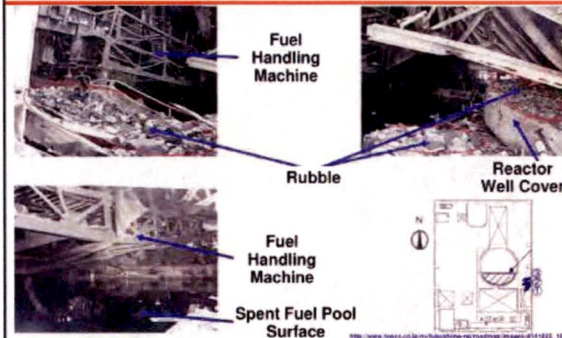
Shear strain from design-basis earthquake confirmed to be **within safety limit** (5/28/2011)

TOYO ELECTRIC POWER COMPANY

All Rights Reserved ©2011 Toyo Electric Power Company, Inc.

9

Unit 1 SFP: Condition of Refueling Floor



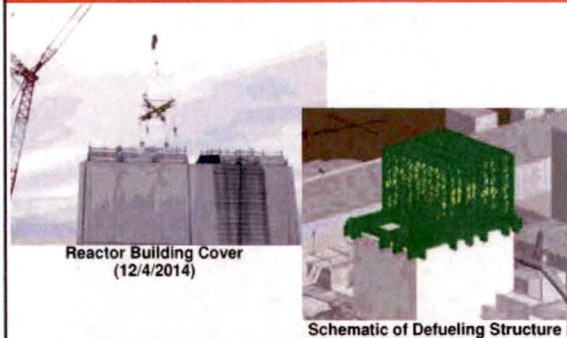
Fuel handling machine and overhead crane **do not seem to have dropped** into SFP (Nov. 2014)

TOYO ELECTRIC POWER COMPANY

All Rights Reserved ©2011 Toyo Electric Power Company, Inc.

10

Unit 1 SFP: Next Step



Reactor building cover to be dismantled to prepare for defueling


TOYO ELECTRIC POWER COMPANY

All Rights Reserved ©2011 Toyo Electric Power Company, Inc.

11

Unit 2 Spent Fuel Pool: Water Injection

| Date (2011) | Injection Volume (ton) | Source | Injection Method |
|-------------|------------------------|----------------------|--------------------------|
| 3/20 | 40 | Seawater | |
| 3/22 | 18 | | |
| 3/25 | 30 | | |
| 3/29 | 15-30 | | |
| 3/30 | <20 | | |
| 4/1 | 70 | Fresh Water | Fuel Pool Cooling System |
| 4/4 | 70 | | |
| 4/7 | 36 | | |
| 4/10 | 60 | | |
| 4/13 | 60 | | |
| 4/16 | 45 | | |
| 4/19 | 47 | | |
| 4/22 | 50 | | |
| 4/25 | 38 | | |
| 4/28 | 43 | | |
| 5/2 | 55 | | |
| 5/6 | 58 | | |
| 5/10 | 56 | | |
| 5/14 | 56 | | |
| 5/18 | 53 | | |
| 5/22 | 56 | | |
| 5/26 | 53 | | |
| 5/30 | 53 | | |
| 5/31 | | Closed Cycle Cooling | |



4/10/2011

http://www.tepco.co.jp/en/press/corp-comm/release/2012/1205030_1070.html

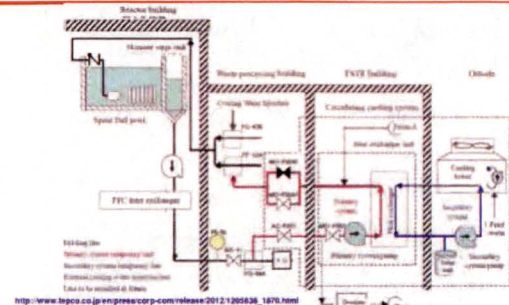
FPC system utilized for water injection

TOYO ELECTRIC POWER COMPANY

All Rights Reserved ©2011 Toyo Electric Power Company, Inc.

12

Unit 2 SFP: Closed-Cycle Cooling



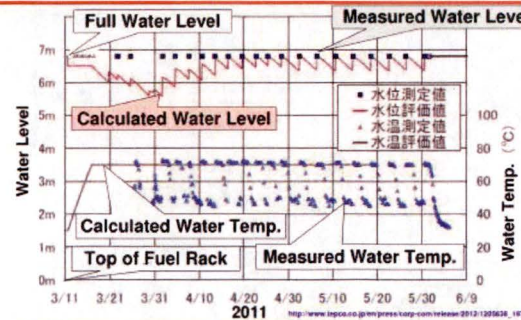
- Stable closed-cycle cooling from 5/31/2011
- Injection of **hydrazine** for anti-corrosion and microbe prevention

TOKYO ELECTRIC POWER COMPANY

All Rights Reserved ©2012 Tokyo Electric Power Company, Inc.

13

Unit 2 SFP: Reconstruction of Events



Water level highly **unlikely** to have dropped close to top of fuel rack

TOKYO ELECTRIC POWER COMPANY

All Rights Reserved ©2012 Tokyo Electric Power Company, Inc.

14

Unit 2 SFP: Water Chemistry

| Radio Nuclide | Half Life | Concentration (Bq/cm ³) | | | |
|---------------|-----------|-------------------------------------|------------|------------|--------|
| | | Unit 2 Skimmer Surge Tank | Unit 2 SFP | Unit 2 T/B | Unit 2 |
| Cs-134 | 2 years | 160,000 | 110,000 | ND | 3.1E6 |
| Cs-137 | 30 years | 150,000 | 110,000 | 0.28 | 3.0E6 |
| I-131 | 8 days | 4,100 | ND | ND | 1.3E7 |

http://www.tepco.co.jp/en/press/corp-comm/release/2012/120508_1670.html

| | 4/16/2011 | 11/15/2011 | 4/2/2012 | 8/30/2012 |
|----------------|-----------|------------|----------|-----------|
| Chloride (ppm) | 1100 | 1600 | 130 | 14 |

http://www.tepco.co.jp/en/press/corp-comm/release/2012/120508_1670.html

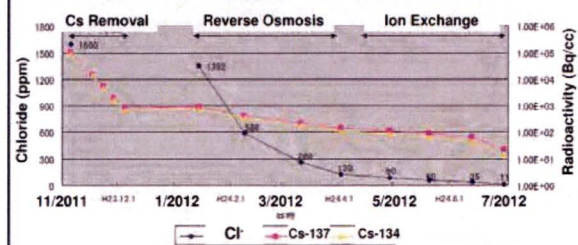
I-131 most likely to have **originated from reactor**, not spent fuel (all fuels >7 months after shutdown)

TOKYO ELECTRIC POWER COMPANY

All Rights Reserved ©2012 Tokyo Electric Power Company, Inc.

15

Unit 2 SFP: Water Chemistry (cont'd)



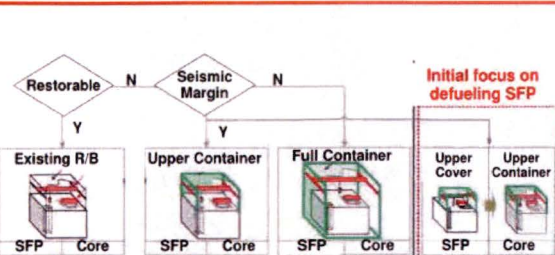
Water quality steadily improved

TOKYO ELECTRIC POWER COMPANY

All Rights Reserved ©2012 Tokyo Electric Power Company, Inc.

16

Unit 2 SFP: Next Step



Defueling strategy to be determined after path for core debris retrieval becomes clearer

TOKYO ELECTRIC POWER COMPANY

All Rights Reserved ©2012 Tokyo Electric Power Company, Inc.

17

Unit 3 Spent Fuel Pool: Water Injection



Various attempts to inject water

TOKYO ELECTRIC POWER COMPANY

All Rights Reserved ©2012 Tokyo Electric Power Company, Inc.

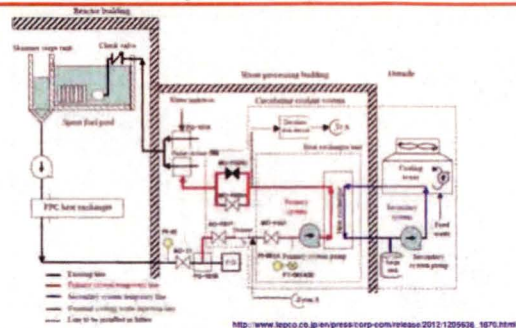
18

| Date (2011) | Injection Volume (ton) | Source | Injection Method |
|-------------|------------------------|-------------|------------------|
| 3/17 | 30 | Seawater | Helicopter |
| 3/17 | 24 | Fresh Water | Water Cannon |
| 3/18 | 40 | Fresh Water | Water Cannon |
| 3/18 | 2 | Fresh Water | Fire Truck |
| 3/19 | 60 | Seawater | Fire Truck |
| 3/19 | 2530 | Seawater | FPC |
| 3/20 | 1137 | Seawater | Fire Truck |
| 3/22 | 150 | Seawater | Concrete Pump |
| 3/22 | 35 | Seawater | Concrete Pump |
| 3/24 | 120 | Seawater | Concrete Pump |
| 3/25 | 450 | Seawater | Concrete Pump |
| 3/27 | 100 | Seawater | Concrete Pump |
| 3/29 | 100 | Seawater | Concrete Pump |
| 3/31 | 105 | Seawater | Concrete Pump |
| 4/2 | 75 | Seawater | Concrete Pump |
| 4/4 | 70 | Seawater | Concrete Pump |
| 4/7 | 70 | Seawater | Concrete Pump |
| 4/8 | 75 | Seawater | Concrete Pump |
| 4/10 | 80 | Seawater | Concrete Pump |
| 4/12 | 35 | Seawater | Concrete Pump |
| 4/13 | 40 | Seawater | Concrete Pump |
| 4/14 | 40 | Seawater | Concrete Pump |
| 4/20 | 47.5 | Fresh Water | Concrete Pump |
| 5/8 | 60 | Fresh Water | Concrete Pump |
| 5/8 | 80 | Fresh Water | Concrete Pump |
| 5/15 | 100 | Fresh Water | Concrete Pump |
| 5/24 | 100 | Fresh Water | Concrete Pump |
| 5/25 | 50 | Fresh Water | Concrete Pump |
| 6/1 | 40 | Fresh Water | Concrete Pump |
| 6/8 | 30 | Fresh Water | Concrete Pump |
| 6/9 | 30 | Fresh Water | Concrete Pump |
| 6/13 | 42 | Fresh Water | Concrete Pump |
| 6/17 | 28 | Fresh Water | Concrete Pump |
| 6/26 | 45 | Fresh Water | Concrete Pump |
| 6/29 | 60 | Fresh Water | Concrete Pump |
| 6/30 | 30 | Fresh Water | Concrete Pump |

w/ Boron

Closed Cycle Cooling

Unit 3 SFP: Closed-Cycle Cooling



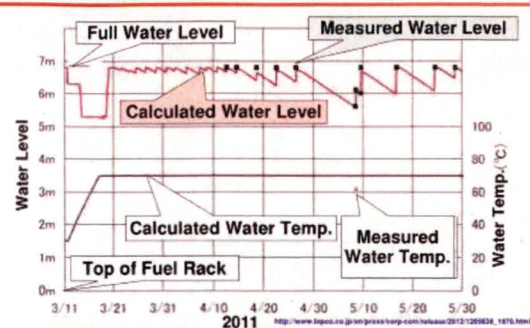
Stable closed-cycle cooling from 6/30/2011

100% ELECTRIC POWER COMPANY

All Rights Reserved ©2011-15 Tokyo Electric Power Company, Inc.

19

Unit 3 SFP: Reconstruction of Events



Water level highly unlikely to have dropped close to top of fuel rack

100% ELECTRIC POWER COMPANY

All Rights Reserved ©2011-15 Tokyo Electric Power Company, Inc.

20

Unit 3 SFP: Water Chemistry

| Radio Nuclide | Half Life | Concentration (Bq/cm ³) | | | | |
|---------------|-----------|-------------------------------------|----------|----------------|------------|-----------|
| | | Unit 3 SFP | | Unit 3 SFP T/B | Unit 3 T/B | |
| | | 5/8/2011 | 7/7/2011 | 8/19/2011 | 3/2/2011 | 4/22/2011 |
| Cs-134 | 2 years | 140,000 | 94,000 | 74,000 | ND | 1,500,000 |
| Cs-136 | 13 days | 1,600 | ND | ND | ND | 44,000 |
| Cs-137 | 30 years | 150,000 | 110,000 | 87,000 | ND | 1,600,000 |
| I-131 | 8 days | 11,000 | ND | ND | ND | 660,000 |

| | 5/8/2011 | 4/5/2012 | 6/23/2012 | 8/30/2012 |
|----------------|----------|----------|-----------|-----------|
| Chloride (ppm) | 2400 | 1600 | 130 | 73 |

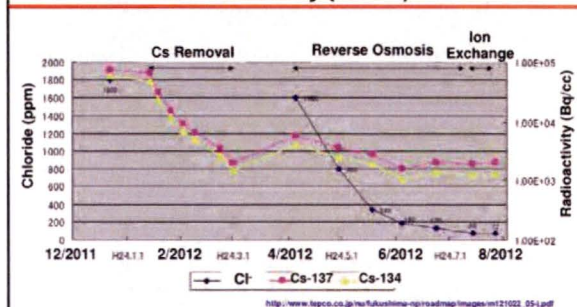
- I-131 and Cs-136 most likely to have originated from reactor, not SFP (all fuels >10 months after shutdown)
- Injection of boric acid to neutralize alkalinity from concrete rubble
- Injection of hydrazine for anti-corrosion and microbe prevention

100% ELECTRIC POWER COMPANY

All Rights Reserved ©2011-15 Tokyo Electric Power Company, Inc.

21

Unit 3 SFP: Water Chemistry (cont'd)



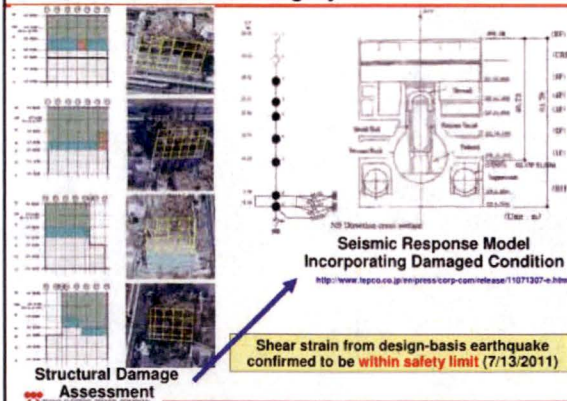
Water quality steadily improved

100% ELECTRIC POWER COMPANY

All Rights Reserved ©2011-15 Tokyo Electric Power Company, Inc.

22

Unit 3 SFP: Structural Integrity Assessment

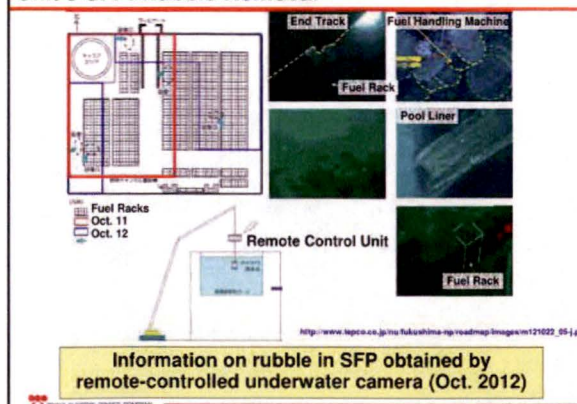


100% ELECTRIC POWER COMPANY

All Rights Reserved ©2011-15 Tokyo Electric Power Company, Inc.

23

Unit 3 SFP: Rubble Removal



Information on rubble in SFP obtained by remote-controlled underwater camera (Oct. 2012)

100% ELECTRIC POWER COMPANY

All Rights Reserved ©2011-15 Tokyo Electric Power Company, Inc.

24

Unit 3 SFP: Next Step



Refueling Floor (Dec. 2014)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/1510129_10-1.pdf

Schematic of Defueling Structure

Removing rubble from SFP in preparation for defueling

TEPCO ELECTRIC POWER COMPANY

All Rights Reserved ©2015 Tokyo Electric Power Company, Inc.

25

Unit 4 Spent Fuel Pool: Water Injection



Water Injection with Concrete Pumper (3/22/2011)

7/31, Closed Cycle Cooling, fresh water

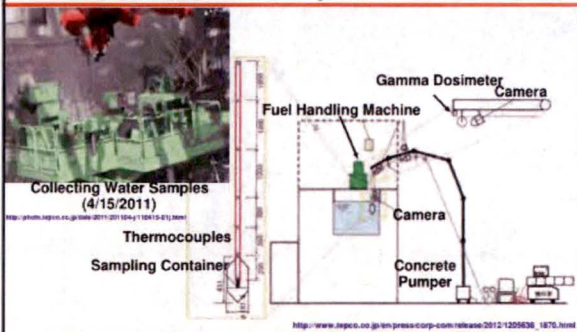
Injection of seawater and fresh water from Mach 20 using water cannons, concrete pumps, etc. until July 31, 2011

TEPCO ELECTRIC POWER COMPANY

All Rights Reserved ©2015 Tokyo Electric Power Company, Inc.

26

Unit 4 SFP: Water Level/Temp. Measurement



Collecting Water Samples (4/15/2011)

http://photos.tepco.co.jp/nu/fukushima-np/roadmap/images/1510129_10-1.pdf

Thermocouples
Sampling Container

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/1510129_10-1.pdf

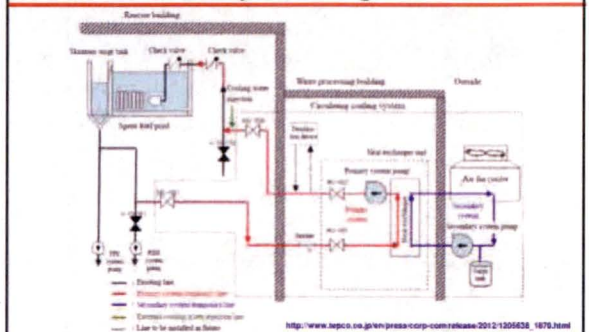
Concrete pumper used to measure SFP water level/temperature and collect water samples

TEPCO ELECTRIC POWER COMPANY

All Rights Reserved ©2015 Tokyo Electric Power Company, Inc.

27

Unit 4 SFP: Closed-Cycle Cooling



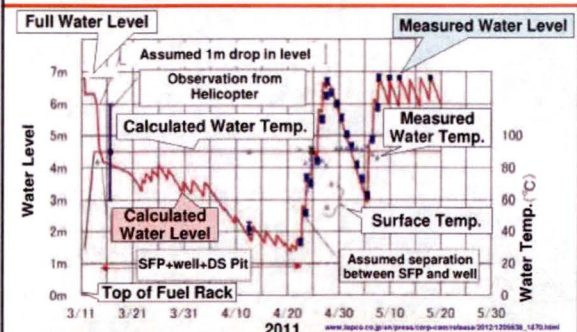
Stable closed-cycle cooling from 7/31/2011

TEPCO ELECTRIC POWER COMPANY

All Rights Reserved ©2015 Tokyo Electric Power Company, Inc.

28

Unit 4 SFP: Reconstruction of Events



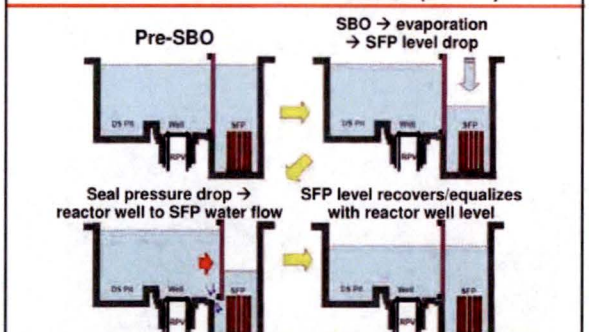
Lowest water level at top of fuel rack +1.5 m at around April 20, 2011

TEPCO ELECTRIC POWER COMPANY

All Rights Reserved ©2015 Tokyo Electric Power Company, Inc.

29

Unit 4 SFP: Reconstruction of Events (cont'd)



Water from reactor well flowed into SFP during the event

TEPCO ELECTRIC POWER COMPANY

All Rights Reserved ©2015 Tokyo Electric Power Company, Inc.

30

Unit 4 SFP: Water Chemistry

| Radio Nuclide | Half Life | Concentration (Bq/cm ³) | | | | | |
|---------------|-----------|-------------------------------------|-----------|----------|-----------|------------|------------|
| | | Unit 4 SFP | | | | Unit 4 SFP | Unit 4 T/B |
| | | 4/12/2011 | 4/28/2011 | 5/7/2011 | 8/20/2011 | 3/4/2012 | 3/24/2012 |
| Cs-134 | 2 years | 88 | 49 | 56 | 44 | ND | 31 |
| Cs-137 | 30 years | 93 | 55 | 67 | 61 | 0.13 | 32 |
| I-131 | 8 days | 220 | 27 | 16 | ND | ND | 360 |

http://www.tepco.co.jp/en/press/corp-comm/release/2012/120903e_1870.htm

| | 4/12/2011 | 8/20/2011 | 11/29/2011 | 9/16/2012 |
|----------------|-----------|-----------|------------|-----------|
| Chloride (ppm) | 6000 | 1944 | 197 | 24 |

http://www.tepco.co.jp/en/fukushima-np/roadmap/images/m120924_05-j.pdf

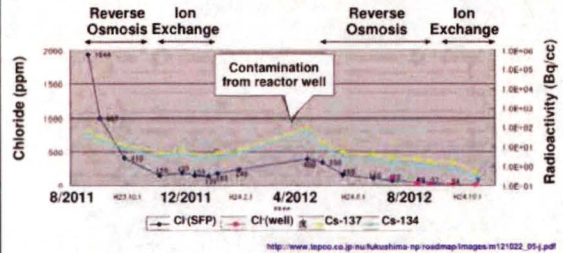
- I-131 most likely to have originated from other reactors, not SFP (all fuels >4 months after shutdown)
- Injection of hydrazine for anti-corrosion and microbe prevention

TEPCO ELECTRIC POWER COMPANY

All Rights Reserved ©2013 Tokyo Electric Power Company, Inc.

31

Unit 4 SFP: Water Chemistry (cont'd)



http://www.tepco.co.jp/en/fukushima-np/roadmap/images/m120924_05-j.pdf

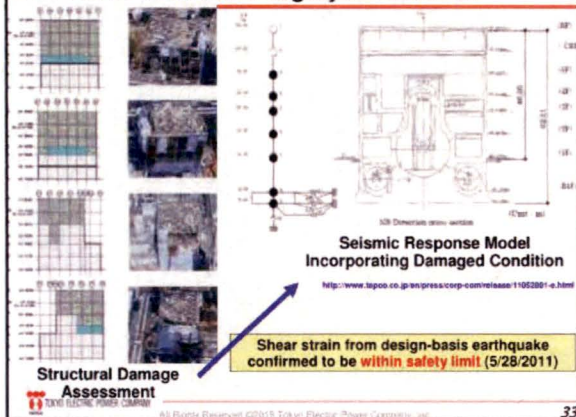
Water quality steadily improved

TEPCO ELECTRIC POWER COMPANY

All Rights Reserved ©2013 Tokyo Electric Power Company, Inc.

32

Unit 4 SFP: Structural Integrity Assessment



<http://www.tepco.co.jp/en/press/corp-comm/release/11052801-e.html>

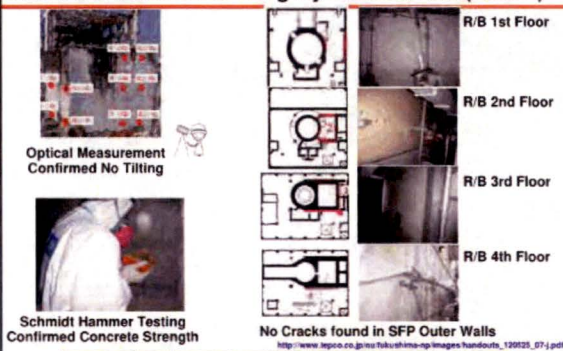
Structural Damage Assessment

TEPCO ELECTRIC POWER COMPANY

All Rights Reserved ©2013 Tokyo Electric Power Company, Inc.

33

Unit 4 SFP: Structural Integrity Assessment (cont'd)



Optical Measurement Confirmed No Tilting

Schmidt Hammer Testing Confirmed Concrete Strength

R/B 1st Floor
R/B 2nd Floor
R/B 3rd Floor
R/B 4th Floor

No Cracks found in SFP Outer Walls

http://www.tepco.co.jp/en/fukushima-np/images/handouts/120925_07-j.pdf

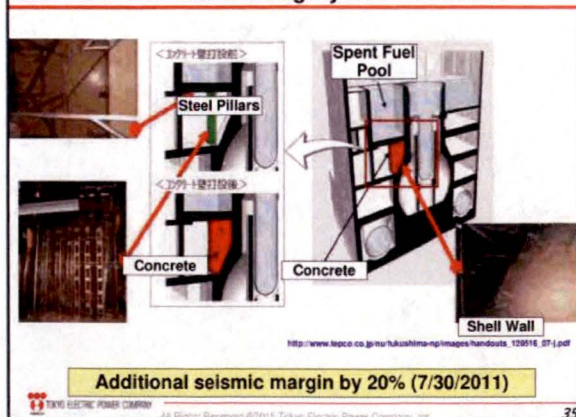
Quarterly structural integrity inspection found no issues (since 5/25/2012)

TEPCO ELECTRIC POWER COMPANY

All Rights Reserved ©2013 Tokyo Electric Power Company, Inc.

34

Unit 4 SFP: Structural Integrity Reinforcement



http://www.tepco.co.jp/en/fukushima-np/images/handouts/120916_07-j.pdf

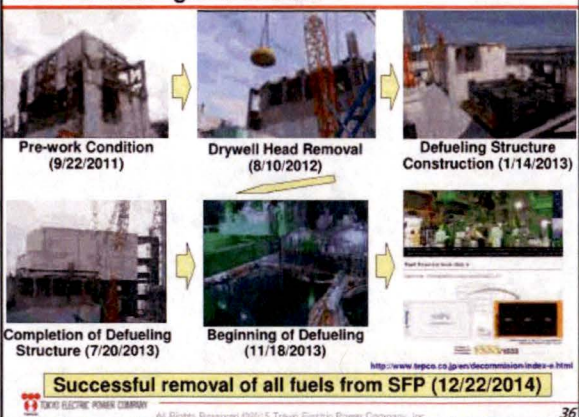
Additional seismic margin by 20% (7/30/2011)

TEPCO ELECTRIC POWER COMPANY

All Rights Reserved ©2013 Tokyo Electric Power Company, Inc.

35

Unit 4 SFP: Progress To Date



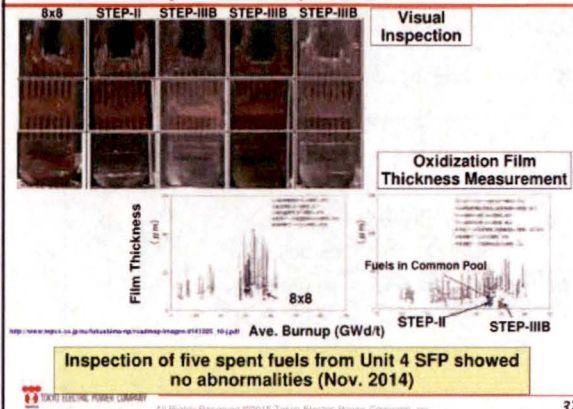
Successful removal of all fuels from SFP (12/22/2014)

TEPCO ELECTRIC POWER COMPANY

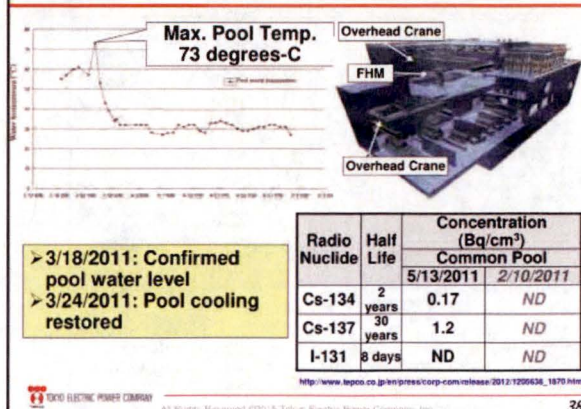
All Rights Reserved ©2013 Tokyo Electric Power Company, Inc.

36

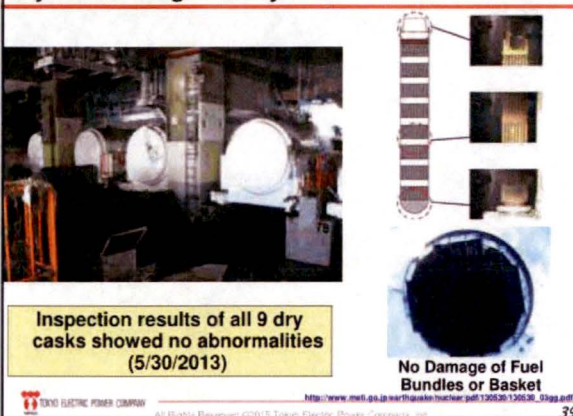
Unit 4 SFP: Inspection of Spent Fuels



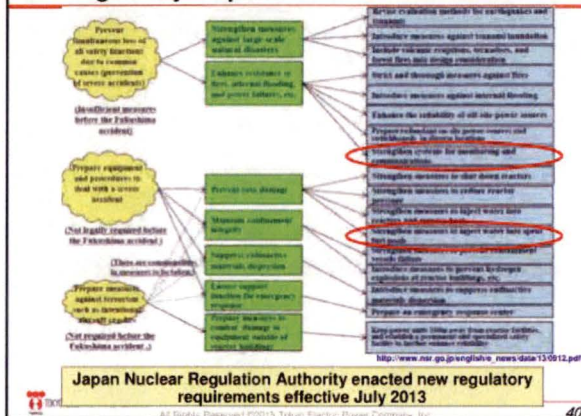
Common Pool



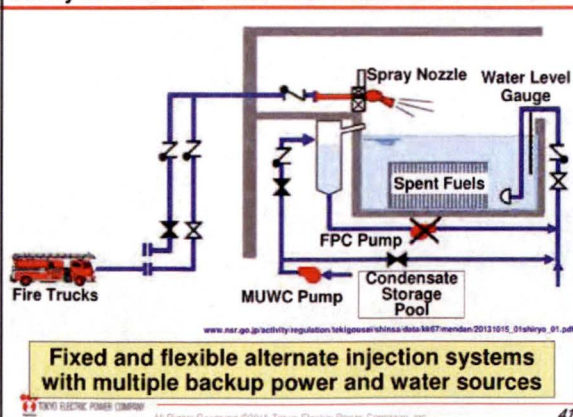
Dry Cask Storage Facility



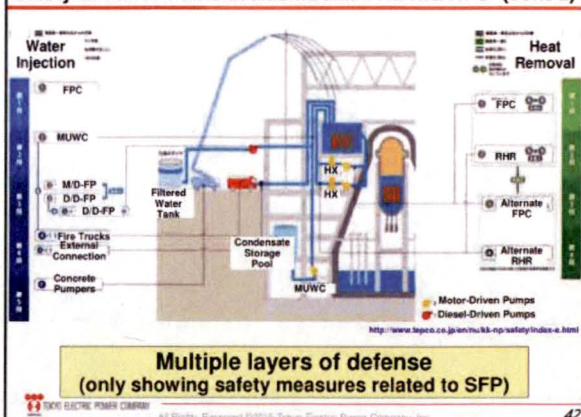
New Regulatory Requirements



Safety Enhancements at Kashiwazaki Kariwa NPS



Safety Enhancements at Kashiwazaki Kariwa NPS (cont'd)



TEPCO's Post-Accident Activities in the U.S.

Nuclear Industry

Gov't Agencies

Global Organizations

Academia

Professional Organizations, Think Tanks, NPOs, Media

TEPCO

Committed to sharing lessons learned; making nuclear power plants safer; carrying out decommissioning safely
-> Hosting Weekly Update Teleconferences

43

References

- **TEPCO Website on Decommissioning Status**
<http://www.tepco.co.jp/en/decommission/index-e.html>
- **TEPCO Internal Investigation Committee Report (6/20/2012)**
http://www.tepco.co.jp/en/press/corp-com/release/2012/1205638_1870.html
 - ✓ **Main Body**
http://www.tepco.co.jp/en/press/corp-com/release/betu12_e/images/120620e0104.pdf
 - ✓ **Attachment**
http://www.tepco.co.jp/en/press/corp-com/release/betu12_e/images/120620e0106.pdf
- **IRID Symposium (7/18/2014)**
<http://www.iris.or.jp/en/reports/symposium/>
 - **Current Status of Fukushima Daiichi**
http://iris.or.jp/wp-content/uploads/2014/07/Sympo_Masuda_E.pdf
 - **R&D Projects Related to Fuel Debris Retrieval**
http://iris.or.jp/wp-content/uploads/2014/07/Sympo_SSuzuki_E.pdf

44

From: Tateiwa, Kenji
Sent: 4 Jun 2015 22:21:05 -0400
To: Tateiwa, Kenji
Subject: [TEPCO Weekly Fukushima Update Call] Fri, June 5, 2015 at 3pm EDT
Importance: Normal

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, June 5, 2015 at 3 pm Eastern Daylight Time

(No Call Next Week. Next call will be on **Fri, June 19** at 3 pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. NRA Special Facilities Monitoring and Evaluation Committee (5/22/2015)

(only in Japanese)

1-1. Closure of Seawater Piping Trenches of Units 2, 3, 4

<http://www.nsr.go.jp/data/000107869.pdf>

1-2. Water Collected on Lid of High-Intensity Container Inside a Box Culvert

<http://www.nsr.go.jp/data/000108101.pdf>

1-3. Groundwater Inflow Mitigation Measures and Water Level Management

<http://www.nsr.go.jp/data/000107730.pdf>

2. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues

(5/25/2015)

(only in Japanese)

2-1. Water Contamination Monitoring Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150525_03-j.pdf

2-2. Status of Unit 1 Reactor Building Cover Dismantling

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150525_04-j.pdf

2-3. Status Report on Identification of Risk Factors Related to Off-site Radiological Impact

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150525_07-j.pdf

2-4. Preparation for Disclosure of All Radiological Data

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150525_08-j.pdf

2-5. Status Report on Various Issues (146 pages, 19 MB)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150525_13-j.pdf

3. Working-level Meeting of Decommissioning & Contaminated Water Issues Team

(5/28/2015)

(only in Japanese)

3-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150528_04-j.pdf

3-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150528_05-j.pdf

(English translation as of 4/30/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d150430_01-e.pdf

3-3. Unit 1 Drywell Water Level Measurement

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150528_06-j.pdf

3-4. Contaminated Water Treatment (file size: 11 MB)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150528_07-j.pdf

3-5. Environmental Radiation Issues (file size: 15 MB)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150528_08-j.pdf

3-6. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150528_10-j.pdf

3-7. Preparation for Fuel Debris Removal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150528_11-j.pdf

3-8. Radioactive Waste Processing

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150528_12-j.pdf

3-9. Draft Revision of Mid-to-Long Term Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150528_13-j.pdf

4. Leakage of Contaminated Water from Transfer Hose (6/1/2015)

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150601_06-j.pdf

** If you cannot display Japanese characters, please install the following font packs:*

<http://www.adobe.com/support/downloads/detail.jsp?ftplID=4881>

(Feel free to forward this email to your colleagues or have them contact me to be added to the distribution list.)

All the best,
Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
2121 K Street, NW Suite 910
Washington, DC 20037
tel: +1-202-457-0790 (ext.)116

(b)(6)

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

From: Tateiwa, Kenji

To: Tateiwa, Kenji

Sent: Thursday, May 21, 2015 9:21 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, May 22, 2015 at 3pm EDT

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, May 22, 2015 at 3pm Eastern Daylight Time

(**No Call Next Week**. Next call will be on **Fri, June 5** at 3pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. IAEA Peer Review Mission Report #3 (5/14/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150514_01-e.pdf

"IAEA Issues Report on Fukushima Decommissioning Review" (IAEA Press Release)

<https://www.iaea.org/newscenter/pressreleases/iaea-issues-report-fukushima-decommissioning-review>

2. Fukushima Nuclear Accident Unresolved Issues Progress Report # 3 (5/20/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1250927_6844.html

(English Summary)

http://www.tepco.co.jp/en/press/corp-com/release/betu15_e/images/150520e0101.pdf

(Japanese Full Report: 503 pages, 27 MB)

http://www.tepco.co.jp/cc/press/betu15_j/images/150520j0102.pdf

3. High-Level Meeting of Decommissioning & Contaminated Water Issues Team (5/21/2015)

(only in Japanese)

3-1. Basic Policy regarding the Mid-and-Long-Term Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/t150521_05-j.pdf

3-2. Straw Man for the Mid-and-Long-Term Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/t150521_06-j.pdf

3-3. Enhanced Coordination on R&D Activities for Decommissioning and Contaminated Water Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/t150521_03-j.pdf

All the best,

Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, May 07, 2015 9:07 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, May 8, 2015 at 3pm EDT

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, May 8, 2015 at 3 pm Eastern Daylight Time
(**No Call Next Week**. Next call will be on **Fri, May 22** at 3 pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Unit 1 Drywell Internal Investigation by Transforming Robots: Summary of Findings (4/30/2015)

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150430_01-j.pdf

2. Working-level Meeting of Decommissioning & Contaminated Water Issues Team (4/30/2015)

(only in Japanese)

2-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_04-j.pdf

2-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_05-j.pdf

(English translation as of 3/26/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d150326_01-e.pdf

2-3. Contaminated Water Treatment (file size: 14 MB)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_07-j.pdf

2-4. Environmental Radiation Issues (file size: 17 MB)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_08-j.pdf

2-5. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_10-j.pdf

2-6. Preparation for Fuel Debris Removal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_11-j.pdf

2-7. Radioactive Waste Processing

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_12-j.pdf

2-8. NDF's 2015 Technical Strategy Plan in Preparation for Revising the Mid-to-Long Term Decommissioning Roadmap (file size: 18 MB)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_14-j.pdf

2-9. Identification of Risk Factors Related to Off-site Radiological Impact

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_15-j.pdf

2-10. Preparation for Disclosing All Radiological Data

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_16-j.pdf

2-11. Government-Funded Demonstration Testing Results for 5 Contaminated Water Treatment Systems

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_17-j.pdf

3. Test Operation of Brine Circulation for Frozen Soil Wall (4/30/2015)

<http://photo.tepco.co.jp/en/date/2015/201504-e/150430-02e.html>

All the best,
Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, April 23, 2015 10:42 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, April 24, 2015 at 3pm EDT

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, April 24, 2015 at 3 pm Eastern Daylight Time

(No Call Next Week. Next call will be on **Fri, May 8** at 3 pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Unit 1 Drywell Internal Investigation by Transforming Robots (4/10~19/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1249780_6844.html

(April 10 Results)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150413_01-e.pdf

(video clip for April 10)

<http://photo.tepco.co.jp/en/date/2015/201504-e/150413-01e.html>

(April 15 Results)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150416_01-e.pdf

(video clip for April 15)

<http://photo.tepco.co.jp/en/date/2015/201504-e/150416-01e.html>

(April 16 Results)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150417_01-e.pdf

(video clip for April 16)

<http://photo.tepco.co.jp/en/date/2015/201504-e/150417-01e.html>

(April 18-19 Results)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150420_01-e.pdf

(video clip for April 18-19)

<http://photo.tepco.co.jp/en/date/2015/201504-e/150420-01e.html>

2. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues (4/13/2015)

(only in Japanese)

2-1. Water Contamination Monitoring and Effectiveness of Groundwater Bypass System

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_04-j.pdf

2-2. Preparation for Dismantling Unit 1 Reactor Building Cover

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_05-j.pdf

2-3. Outdoor Cable Fire

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_11-j.pdf

2-4. Status Report on Identification of Risk Factors Related to Off-site Radiological Impact

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_12-j.pdf

2-5. New Framework and Organization Related to Disclosure of All Radiological Data

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_13-j.pdf

2-6. NDF's Draft 2015 Technical Strategy Plan in Preparation for Revising the Mid-to-Long Term Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_15-j.pdf

2-7. Draft Straw Man for the Revised Mid-to-Long Term Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_18-j.pdf

2-8. Status Report on Various Issues (155 pages, 13.3 MB)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_19-j.pdf

3. NRA Special Facilities Monitoring and Evaluation Committee (4/22/2015)

(only in Japanese)

3-1. Closure of Seawater Piping Trenches of Units 2, 3, 4

<http://www.nsr.go.jp/data/000104663.pdf>

3-2. Water Collected on Lid of High-Intensity Container Inside a Box Culvert

<http://www.nsr.go.jp/data/000104664.pdf>

3-3. Groundwater Inflow Mitigation Measures and Water Level Management

<http://www.nsr.go.jp/data/000104677.pdf>

3-4. Reduction of Radioactivity in Drainage Channels

<http://www.nsr.go.jp/data/000104668.pdf>

4. Inadvertent Stop of Drainage Pumps at K Drainage Channel--Now Restored (4/21, 23/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1249920_6844.html

(Detailed Info)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150421_01-e.pdf

5. IAEA Delegation Visit to Fukushima Daiichi (4/19/2015)

<http://photo.tepco.co.jp/en/date/2015/201504-e/150421-01e.html>

** If you cannot display Japanese characters, please install the following font packs:*

<http://www.adobe.com/support/downloads/detail.jsp?ftpID=4881>

(Feel free to forward this email to your colleagues or have them contact me to be added to the distribution list.)

All the best,
Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
2121 K Street, NW Suite 910
Washington, DC 20037
tel: +1-202-457-0790 (ext.)116

(b)(6)

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Wednesday, April 08, 2015 8:25 PM

Subject: [TEPCO Weekly Fukushima Update Call] THU, April 9, 2015 at 3pm EDT

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

THU, April 9, 2015 at 3 pm Eastern Daylight Time

(**No Call Next Week**. Next call will be on **Fri, April 24** at 3 pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Unit 3 Shield Plug in Front of Containment Vessel Equipment Hatch: Assumed Cause of Movement (3/30/2015)

Shield plug could have moved due to pressure differential between containment vessel and reactor building when R/B hydrogen explosion occurred.

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150330_04-j.pdf

2. Unit 3 Spent Fuel Pool Gate Condition (4/6/2015)

Visual inspection found no significant impact to one of the two layers of gates (G1) maintaining water-tightness of pool.
(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150406_04-j.pdf

3. Crawler Robot to Investigate Inside Unit 1 Drywell (4/6/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150406_01-e.pdf

4-1. Nuclear Safety Reform Plan: Quarterly Progress Report (3/30/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1249285_6844.html

4-2. Full Report

(only in Japanese)

http://www.tepco.co.jp/cc/press/betu15_j/images/150330j0102.pdf

4-3. TEPCO's Nuclear Reform Monitoring Committee

http://www.nrmc.jp/en/report/detail/1249278_5233.html

4-4. "Reviewing the Two Years of Nuclear Safety Reform"

http://www.nrmc.jp/en/report/detail/_icsFiles/afieldfile/2015/04/02/E-5.pdf

5-1. "Trace Amounts of Fukushima Radioactivity Detected Along Shoreline of British Columbia" (4/6/2015)

Press release by the Woods Hole Oceanographic Institution.

<http://www.whoi.edu/news-release/fukushima-ucluelet>

5-2. TEPCO's Sea Water Sampling Data

<http://www.tepco.co.jp/en/nu/fukushima-np/f1/smp/index-e.html>

5-3. TEPCO's Seawater Monitoring Plan (4/1/2015)

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150401_06-j.pdf

All the best,
Kenji

From: Tateiwa, Kenji
Sent: 12 Mar 2015 20:50:07 -0400
To: Tateiwa, Kenji
Subject: [TEPCO Weekly Fukushima Update Call] Fri, March 13, 2015 at 3pm EDT
Importance: Normal

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, March 13, 2015 at 3 pm Eastern **Daylight** Time
(**No Call Next Week**. Next call will be on **Fri, March 27** at 3 pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

1. NRA Special Facilities Monitoring and Evaluation Committee (3/2/2015)

(only in Japanese)

1-1. Closure of Seawater Piping Trenches of Units 2, 3, 4

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150304_05-j.pdf

1-2. Measures to Reduce Radioactivity in "K" Drainage Line

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150304_06-j.pdf

1-3. Investigation on Temporary Increase in Radioactivity in Downstream of "B and C" Drainage Line

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150304_07-j.pdf

1-4. Water Level Management after Operation of Frozen-Soil Wall

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150304_08-j.pdf

2. Rain Water Level Drop in Outer Weir of H4 Area Tank (3/12/2015)

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150312_04-j.pdf

3. New Disclosure Policy and Independent Audit in Light of Recent Drainage Water Issue (3/6/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1248564_6844.html

4. TEPCO President's Remarks on 4th Anniversary of Great East Japan Earthquake (3/11/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1248663_6844.html

5. "Nuclear Energy in Japan Since Fukushima " (2/17/2015)

TEPCO's presentation at the Platts Nuclear Energy Conference.

http://www.platts.com/IM.Platts.Content/ProductsServices/ConferenceandEvents/2015/pc509/presentations/Kenji_Tateiwa.pdf

6. "Estimated Amount of Radioactive Materials Released into the Air by the Fukushima Daiichi NPS Accident" (3/10/2015)

TEPCO's presentation at the US NRC Regulatory Information Conference (RIC.)

<https://ric.nrc-gateway.gov/docs/abstracts/tateiwak-t5-hv-r1.pdf>

* If you cannot display Japanese characters, please install the following font packs:

<http://www.adobe.com/support/downloads/detail.jsp?ftpID=4881>

(Feel free to forward this email to your colleagues or have them contact me to be added to the distribution list.)

All the best,
Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
2121 K Street, NW Suite 910
Washington, DC 20037
tel: +1-202-457-0790 (ext.)116

(b)(6)

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, February 26, 2015 10:50 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Feb. 27, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Feb. 27, 2015 at 3 pm Eastern Standard Time

(**No Call Next Week**. Next call will be on **Fri, March 13** at 3 pm **EDT**.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

**1. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues
(2/23/2015)**

(only in Japanese)

1-1. Water Contamination Monitoring and Effectiveness of Groundwater Bypass System

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150223_04-j.pdf

1-2. Dismantling Plan for Unit 1 Reactor Building Cover

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150223_05-j.pdf

1-3. Occupational Safety Corrective Actions

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150223_06-j.pdf

1-4. Contaminated Water Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150223_12-j.pdf

2. Working-level Meeting of Decommissioning & Contaminated Water Issues Team (2/26/2015)

(only in Japanese)

2-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_04-j.pdf

2-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_05-j.pdf

(English translation as of 1/29/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d150129_01-e.pdf

2-3. Re-insertion of Thermocouple into Unit 2 RPV Bottom via SLC Line

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_06-j.pdf

2-4. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_07-j.pdf

2-5. Environmental Radiation Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_08-j.pdf

2-6. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_10-j.pdf

2-7. Preparation for Fuel Debris Removal (3D Laser Scanning, Muon Tomography)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_11-j.pdf

2-8. D&D-Related R&D Progress and Future Plans

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_13-j.pdf

2-9. Selection of Technologies to Undergo Tritium-Separation Demonstration Testing

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_14-j.pdf

2-10. Establishment of Global Decommissioning Joint Research Center

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_15-j.pdf

3. Temporary Increase in Radioactivity in Downstream of "B and C" Drainage Line (2/24/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1248327_6844.html

4. Unit 2 Reactor Building Truck Bay Door Roof Likely Source of Radioactivity in "K" Drainage Line (2/24/2015)

www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150224_01-e.pdf

5. Briefing to Fishermen's Association in Fukushima Prefecture Regarding Contaminated Water Issues (2/25/2015)

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150225_05-j.pdf

6. Unit 1 Reactor Building 4th Floor Inspection by Technical Committee of Niigata Prefecture (2/21/2015)

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150221_06-j.pdf

7. Third IAEA Review of Fukushima Daiichi Decommissioning Roadmap (2/17/2015)

<https://www.iaea.org/newscenter/pressreleases/iaea-team-completed-third-review-japans-plans-decommission-fukushima>

(photos)
http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150217_03-e.pdf

All the best,
Kenji

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

From: [Tateiwa, Kenji](#)
To: [Tateiwa, Kenji](#)
Sent: Thursday, February 12, 2015 10:37 PM
Subject: [TEPCO Weekly Fukushima Update Call] Fri, Feb. 13, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Feb. 13, 2015 at 3 pm Eastern Standard Time
(**No Call Next Week**. Next call will be on **Fri, Feb. 27** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

1. NRA Special Facilities Monitoring and Evaluation Committee (2/9/2015)

(only in Japanese)

1-1. Closure of Seawater Piping Trenches of Units 2, 3, 4

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0031_02.pdf

1-2. Water Level Management after Operation of Frozen-Soil Wall (summary)

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0031_03.pdf

1-3. Water Level Management after Operation of Frozen-Soil Wall (reference information)

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0031_08.pdf

2. Installation of Muon Detectors for Fuel Debris Detection at Unit 1 (2/9/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1248057_6844.html

(photos)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150209_01-e.pdf

3. "The Great Race: The Global Quest for the Car of the Future"

<http://amzn.com/B00LD1OP0Q>

This book features TEPCO's current Chief Nuclear Officer, Takafumi Anegawa, as a visionary who jump started Japan's electric vehicle industry.

All the best,
Kenji

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

From: [Tateiwa, Kenji](#)
To: [Tateiwa, Kenji](#)

Sent: Thursday, February 05, 2015 9:24 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Feb. 6, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Feb. 6, 2015 at 3 pm Eastern Standard Time

(Next call will be on **Fri, Feb. 13** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues (1/30/2015)

(only in Japanese)

1-1. Water Contamination Monitoring and Effectiveness of Groundwater Bypass System

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150130_03-j.pdf

1-2. Wind Velocity Simulation Inside Unit 1 Reactor Building Cover

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150130_04-j.pdf

1-3. Response to Various Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150130_07-j.pdf

(page 6/116) ALPS Status

(page 10/116) Various Water Treatment Systems

(page 19/116) Filling Up Seawater Piping Trenches

(page 38/116) Subdrain System

(page 41/116) Frozen Soil Wall

(page 85/116) Radioactivity in Units 1-3 Discharge Canal

2. Causes of Significant Occupational Safety Issues at 1F/2F/KK and Countermeasures (2/3/2015)

(only in Japanese)

http://www.tepco.co.jp/cc/press/betu15_j/images/150202j0301.pdf

3. Nuclear Safety Reform Plan 2014 Q3 Progress Report (2/3/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1247946_6844.html

4. IAEA OSART Preparatory Meeting at Kashiwazaki Kariwa (2/2~5/2015)

(only in Japanese)

<http://www.tepco.co.jp/kk-np/data/publication/pdf/2014/270205.pdf>

5. Removal of Highly Contaminated Water Inside Seawater Piping Trenches (1/28/2015)

(video clip)

http://www.tepco.co.jp/en/news/library/archive-e.html?video_uuid=iwz87j2v&catid=69631

6. TEPCO Official English YouTube

<https://www.youtube.com/user/OfficialTEPCOen>

* If you cannot display Japanese characters, please install the following font packs:
<http://www.adobe.com/support/downloads/detail.jsp?ftpID=4881>

(Feel free to forward this email to your colleagues or have them contact me to be added to the distribution list.)

All the best,
Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
2121 K Street, NW Suite 910
Washington, DC 20037
tel: +1-202-457-0790 (ext.)116

(b)(6)

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, January 29, 2015 8:53 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Jan. 30, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Jan. 30, 2015 at 3 pm Eastern Standard Time

(Next call will be on **Fri, Feb. 6** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Working-level Meeting of Decommissioning & Contaminated Water Issues Team (1/29/2015)

(only in Japanese)

1-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_04-j.pdf

1-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_05-j.pdf

(English translation as of 12/25/2014)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d141225_01-e.pdf

1-3. Retrieval of Thermocouple Installed in Unit 2 RPV Bottom via SLC Line

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_06-j.pdf

1-4. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_07-j.pdf

1-5. Environmental Radiation Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_08-j.pdf

1-6. Work Condition Improvement

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_09-j.pdf

1-7. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_10-j.pdf

1-8. Preparation for Fuel Debris Removal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_11-j.pdf

1-9. Radioactive Waste Disposal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_12-j.pdf

1-10. Status Update of Study on Alternate Core Debris Retrieval Methods (METI)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_14-j.pdf

1-11. Strategic Plan and Risk Mitigation (Nuclear Damage Compensation and Decommissioning Facilitation Corporation)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150129_15-j.pdf

2. Updated Schedule on Completion of Contaminated Water Treatment (1/23/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150123_02-e.pdf

3. Occupational Safety Corrective Actions (1/26/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150126_01-e.pdf

4. National Academy of Sciences Fukushima Lessons Learned Committee Phase 2 #3 (1/29/2015)

<http://www8.nationalacademies.org/cp/meetingview.aspx?MeetingId=7732>

Attached is a compact version of TEPCO's presentation.

Let me know if you would like to receive the original sized file.

All the best,
Kenji

From: Tateiwa, Kenji
Sent: 26 Mar 2015 20:53:14 -0400
To: Tateiwa, Kenji
Subject: [TEPCO Weekly Fukushima Update Call] Fri, March 27, 2015 at 3pm EDT
Importance: Normal

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, March 27, 2015 at 3 pm Eastern Daylight Time
(**No Call Next Week**. Next call will be on **THU, April 9** at 3 pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

1. Unit 1 Muon Tomography Preliminary Results (3/19/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150319_01-e.pdf

2. Contaminated Water Committee (3/17/2015)

(only in Japanese)

2-1. Studies Related to Frozen Soil Wall

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c150317_07-j.pdf

2-2. Studies Related to High-Performance ALPS

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c150317_08-j.pdf

3. NRA Special Facilities Monitoring and Evaluation Committee (3/25/2015)

(only in Japanese)

3-1. "K" Drainage Line Investigation and Actions

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150325_04-j.pdf

3-2. Closure of Seawater Piping Trenches of Units 2, 3, 4

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150325_08-j.pdf

4. Working-level Meeting of Decommissioning & Contaminated Water Issues Team (3/26/2015)

(only in Japanese)

4-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_04-j.pdf

4-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_05-j.pdf

(English translation as of 2/26/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d150226_01-e.pdf

4-3. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_07-j.pdf

4-4. Environmental Radiation Issues (large file size: 56 MB)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_08-j.pdf

4-5. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_10-j.pdf

4-6. Preparation for Fuel Debris Removal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_11-j.pdf

4-7. Radioactive Waste Processing (Radionuclide Analyses of Samples Taken from Units 1-3 R/B)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_12-j.pdf

** If you cannot display Japanese characters, please install the following font packs:*

<http://www.adobe.com/support/downloads/detail.jsp?ftplD=4881>

(Feel free to forward this email to your colleagues or have them contact me to be added to the distribution list.)

All the best,
Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
2121 K Street, NW Suite 910
Washington, DC 20037
tel: +1-202-457-0790 (ext.)116

(b)(6)

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, March 12, 2015 8:50 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, March 13, 2015 at 3pm EDT

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, March 13, 2015 at 3 pm Eastern **Daylight** Time

(No Call Next Week. Next call will be on **Fri, March 27** at 3 pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. NRA Special Facilities Monitoring and Evaluation Committee (3/2/2015)

(only in Japanese)

1-1. Closure of Seawater Piping Trenches of Units 2, 3, 4

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150304_05-j.pdf

1-2. Measures to Reduce Radioactivity in "K" Drainage Line

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150304_06-j.pdf

1-3. Investigation on Temporary Increase in Radioactivity in Downstream of "B and C" Drainage Line

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150304_07-j.pdf

1-4. Water Level Management after Operation of Frozen-Soil Wall

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150304_08-j.pdf

2. Rain Water Level Drop in Outer Weir of H4 Area Tank (3/12/2015)

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150312_04-j.pdf

3. New Disclosure Policy and Independent Audit in Light of Recent Drainage Water Issue (3/6/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1248564_6844.html

4. TEPCO President's Remarks on 4th Anniversary of Great East Japan Earthquake (3/11/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1248663_6844.html

5. "Nuclear Energy in Japan Since Fukushima " (2/17/2015)

TEPCO's presentation at the Platts Nuclear Energy Conference.

http://www.platts.com/IM.Platts.Content/ProductsServices/ConferenceandEvents/2015/pc509/presentations/Kenji_Tateiwa.pdf

6. "Estimated Amount of Radioactive Materials Released into the Air by the Fukushima Daiichi NPS Accident" (3/10/2015)

TEPCO's presentation at the US NRC Regulatory Information Conference (RIC.)

<https://ric.nrc-gateway.gov/docs/abstracts/tateiwak-t5-hv-r1.pdf>

All the best,

Kenji

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

From: Tateiwa, Kenji

To: Tateiwa, Kenji

Sent: Thursday, February 26, 2015 10:50 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Feb. 27, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Feb. 27, 2015 at 3 pm Eastern Standard Time

(**No Call Next Week**. Next call will be on **Fri, March 13** at 3 pm **EDT**.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues (2/23/2015)

(only in Japanese)

1-1. Water Contamination Monitoring and Effectiveness of Groundwater Bypass System

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150223_04-j.pdf

1-2. Dismantling Plan for Unit 1 Reactor Building Cover

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150223_05-j.pdf

1-3. Occupational Safety Corrective Actions

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150223_06-j.pdf

1-4. Contaminated Water Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150223_12-j.pdf

2. Working-level Meeting of Decommissioning & Contaminated Water Issues Team (2/26/2015)

(only in Japanese)

2-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_04-j.pdf

2-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_05-j.pdf

(English translation as of 1/29/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d150129_01-e.pdf

2-3. Re-insertion of Thermocouple into Unit 2 RPV Bottom via SLC Line

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_06-j.pdf

2-4. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_07-j.pdf

2-5. Environmental Radiation Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_08-j.pdf

2-6. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_10-j.pdf

2-7. Preparation for Fuel Debris Removal (3D Laser Scanning, Muon Tomography)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_11-j.pdf

2-8. D&D-Related R&D Progress and Future Plans

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_13-j.pdf

2-9. Selection of Technologies to Undergo Tritium-Separation Demonstration Testing

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_14-j.pdf

2-10. Establishment of Global Decommissioning Joint Research Center

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_15-j.pdf

3. Temporary Increase in Radioactivity in Downstream of "B and C" Drainage Line (2/24/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1248327_6844.html

4. Unit 2 Reactor Building Truck Bay Door Roof Likely Source of Radioactivity in "K" Drainage Line (2/24/2015)

www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150224_01-e.pdf

5. Briefing to Fishermen's Association in Fukushima Prefecture Regarding Contaminated Water Issues (2/25/2015)

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150225_05-j.pdf

6. Unit 1 Reactor Building 4th Floor Inspection by Technical Committee of Niigata Prefecture (2/21/2015)

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150221_06-j.pdf

7. Third IAEA Review of Fukushima Daiichi Decommissioning Roadmap (2/17/2015)

<https://www.iaea.org/newscenter/pressreleases/iaea-team-completed-third-review-japans-plans-decommission-fukushima>

(photos)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150217_03-e.pdf

All the best,
Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, February 12, 2015 10:37 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Feb. 13, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Feb. 13, 2015 at 3 pm Eastern Standard Time

(**No Call Next Week**. Next call will be on **Fri, Feb. 27** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. NRA Special Facilities Monitoring and Evaluation Committee (2/9/2015)

(only in Japanese)

1-1. Closure of Seawater Piping Trenches of Units 2, 3, 4

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0031_02.pdf

1-2. Water Level Management after Operation of Frozen-Soil Wall (summary)

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0031_03.pdf

1-3. Water Level Management after Operation of Frozen-Soil Wall (reference information)

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0031_08.pdf

2. Installation of Muon Detectors for Fuel Debris Detection at Unit 1 (2/9/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1248057_6844.html

(photos)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150209_01-e.pdf

3. "The Great Race: The Global Quest for the Car of the Future"

<http://amzn.com/B00LD1OP0Q>

This book features TEPCO's current Chief Nuclear Officer, Takafumi Anegawa, as a visionary who jump started Japan's electric vehicle industry.

All the best,
Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, February 05, 2015 9:24 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Feb. 6, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Feb. 6, 2015 at 3 pm Eastern Standard Time

(Next call will be on **Fri, Feb. 13** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues (1/30/2015)

(only in Japanese)

1-1. Water Contamination Monitoring and Effectiveness of Groundwater Bypass System

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150130_03-j.pdf

1-2. Wind Velocity Simulation Inside Unit 1 Reactor Building Cover

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150130_04-j.pdf

1-3. Response to Various Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150130_07-j.pdf

(page 6/116) ALPS Status

(page 10/116) Various Water Treatment Systems

(page 19/116) Filling Up Seawater Piping Trenches

(page 38/116) Subdrain System

(page 41/116) Frozen Soil Wall

(page 85/116) Radioactivity in Units 1-3 Discharge Canal

2. Causes of Significant Occupational Safety Issues at 1F/2F/KK and Countermeasures (2/3/2015)

(only in Japanese)

http://www.tepco.co.jp/cc/press/betu15_j/images/150202j0301.pdf

3. Nuclear Safety Reform Plan 2014 Q3 Progress Report (2/3/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1247946_6844.html

4. IAEA OSART Preparatory Meeting at Kashiwazaki Kariwa (2/2~5/2015)

(only in Japanese)

<http://www.tepco.co.jp/kk-np/data/publication/pdf/2014/270205.pdf>

5. Removal of Highly Contaminated Water Inside Seawater Piping Trenches (1/28/2015)

(video clip)

http://www.tepco.co.jp/en/news/library/archive-e.html?video_uuid=iwz87j2v&catid=69631

6. TEPCO Official English YouTube

<https://www.youtube.com/user/OfficialTEPCOen>

** If you cannot display Japanese characters, please install the following font packs:*

<http://www.adobe.com/support/downloads/detail.jsp?ftpID=4881>

(Feel free to forward this email to your colleagues or have them contact me to be added to the distribution list.)

All the best,
Kenji

From: Tateiwa, Kenji
Sent: 7 May 2015 21:07:11 -0400
To: Tateiwa, Kenji
Subject: [TEPCO Weekly Fukushima Update Call] Fri, May 8, 2015 at 3pm EDT
Importance: Normal

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, May 8, 2015 at 3 pm Eastern Daylight Time

(**No Call Next Week**. Next call will be on **Fri, May 22** at 3 pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

1. Unit 1 Drywell Internal Investigation by Transforming Robots: Summary of Findings (4/30/2015)

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150430_01-j.pdf

2. Working-level Meeting of Decommissioning & Contaminated Water Issues Team (4/30/2015)

(only in Japanese)

2-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_04-j.pdf

2-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_05-j.pdf

(English translation as of 3/26/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d150326_01-e.pdf

2-3. Contaminated Water Treatment (file size: 14 MB)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_07-j.pdf

2-4. Environmental Radiation Issues (file size: 17 MB)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_08-j.pdf

2-5. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_10-j.pdf

2-6. Preparation for Fuel Debris Removal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_11-j.pdf

2-7. Radioactive Waste Processing

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_12-j.pdf

2-8. NDF's 2015 Technical Strategy Plan in Preparation for Revising the Mid-to-Long Term Decommissioning Roadmap (file size: 18 MB)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_14-j.pdf

2-9. Identification of Risk Factors Related to Off-site Radiological Impact

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_15-j.pdf

2-10. Preparation for Disclosing All Radiological Data

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_16-j.pdf

2-11. Government-Funded Demonstration Testing Results for 5 Contaminated Water Treatment Systems

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_17-j.pdf

3. Test Operation of Brine Circulation for Frozen Soil Wall (4/30/2015)

<http://photo.tepco.co.jp/en/date/2015/201504-e/150430-02e.html>

** If you cannot display Japanese characters, please install the following font packs:*

<http://www.adobe.com/support/downloads/detail.jsp?ftplD=4881>

(Feel free to forward this email to your colleagues or have them contact me to be added to the distribution list.)

All the best,
Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
2121 K Street, NW Suite 910
Washington, DC 20037
tel: +1-202-457-0790 (ext.)116

(b)(6)

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, April 23, 2015 10:42 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, April 24, 2015 at 3pm EDT

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, April 24, 2015 at 3 pm Eastern Daylight Time

(**No Call Next Week**. Next call will be on **Fri, May 8** at 3 pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Unit 1 Drywell Internal Investigation by Transforming Robots (4/10~19/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1249780_6844.html

(April 10 Results)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150413_01-e.pdf

(video clip for April 10)

<http://photo.tepco.co.jp/en/date/2015/201504-e/150413-01e.html>

(April 15 Results)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150416_01-e.pdf

(video clip for April 15)

<http://photo.tepco.co.jp/en/date/2015/201504-e/150416-01e.html>

(April 16 Results)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150417_01-e.pdf

(video clip for April 16)

<http://photo.tepco.co.jp/en/date/2015/201504-e/150417-01e.html>

(April 18-19 Results)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150420_01-e.pdf

(video clip for April 18-19)

<http://photo.tepco.co.jp/en/date/2015/201504-e/150420-01e.html>

2. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues (4/13/2015)

(only in Japanese)

2-1. Water Contamination Monitoring and Effectiveness of Groundwater Bypass System

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_04-j.pdf

2-2. Preparation for Dismantling Unit 1 Reactor Building Cover

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_05-j.pdf

2-3. Outdoor Cable Fire

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_11-j.pdf

2-4. Status Report on Identification of Risk Factors Related to Off-site Radiological Impact

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_12-j.pdf

2-5. New Framework and Organization Related to Disclosure of All Radiological Data

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_13-j.pdf

2-6. NDF's Draft 2015 Technical Strategy Plan in Preparation for Revising the Mid-to-Long Term Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_15-j.pdf

2-7. Draft Straw Man for the Revised Mid-to-Long Term Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_18-j.pdf

2-8. Status Report on Various Issues (155 pages, 13.3 MB)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_19-j.pdf

3. NRA Special Facilities Monitoring and Evaluation Committee (4/22/2015)
(only in Japanese)

3-1. Closure of Seawater Piping Trenches of Units 2, 3, 4

<http://www.nsr.go.jp/data/000104663.pdf>

3-2. Water Collected on Lid of High-Intensity Container Inside a Box Culvert

<http://www.nsr.go.jp/data/000104664.pdf>

3-3. Groundwater Inflow Mitigation Measures and Water Level Management

<http://www.nsr.go.jp/data/000104677.pdf>

3-4. Reduction of Radioactivity in Drainage Channels

<http://www.nsr.go.jp/data/000104668.pdf>

4. Inadvertent Stop of Drainage Pumps at K Drainage Channel--Now Restored (4/21, 23/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1249920_6844.html

(Detailed Info)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150421_01-e.pdf

5. IAEA Delegation Visit to Fukushima Daiichi (4/19/2015)

<http://photo.tepco.co.jp/en/date/2015/201504-e/150421-01e.html>

** If you cannot display Japanese characters, please install the following font packs:*

<http://www.adobe.com/support/downloads/detail.jsp?ftpID=4881>

(Feel free to forward this email to your colleagues or have them contact me to be added to the distribution list.)

All the best,
Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
2121 K Street, NW Suite 910
Washington, DC 20037
tel: +1-202-457-0790 (ext.)116

(b)(6)

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Wednesday, April 08, 2015 8:25 PM

Subject: [TEPCO Weekly Fukushima Update Call] THU, April 9, 2015 at 3pm EDT

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

THU, April 9, 2015 at 3 pm Eastern Daylight Time

(**No Call Next Week**. Next call will be on **Fri, April 24** at 3 pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Unit 3 Shield Plug in Front of Containment Vessel Equipment Hatch: Assumed Cause of Movement (3/30/2015)

Shield plug could have moved due to pressure differential between containment vessel and reactor building when R/B hydrogen explosion occurred.

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150330_04-j.pdf

2. Unit 3 Spent Fuel Pool Gate Condition (4/6/2015)

Visual inspection found no significant impact to one of the two layers of gates

(G1) maintaining water-tightness of pool.

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150406_04-j.pdf

3. Crawler Robot to Investigate Inside Unit 1 Drywell (4/6/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150406_01-e.pdf

4-1. Nuclear Safety Reform Plan: Quarterly Progress Report (3/30/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1249285_6844.html

4-2. Full Report

(only in Japanese)

http://www.tepco.co.jp/cc/press/betu15_j/images/150330j0102.pdf

4-3. TEPCO's Nuclear Reform Monitoring Committee

http://www.nrmc.jp/en/report/detail/1249278_5233.html

4-4. "Reviewing the Two Years of Nuclear Safety Reform"

http://www.nrmc.jp/en/report/detail/_icsFiles/afieldfile/2015/04/02/E-5.pdf

5-1. "Trace Amounts of Fukushima Radioactivity Detected Along Shoreline of British Columbia" (4/6/2015)

Press release by the Woods Hole Oceanographic Institution.

<http://www.whoi.edu/news-release/fukushima-ucluelet>

5-2. TEPCO's Sea Water Sampling Data

<http://www.tepco.co.jp/en/nu/fukushima-np/f1/smp/index-e.html>

5-3. TEPCO's Seawater Monitoring Plan (4/1/2015)

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150401_06-j.pdf

All the best,
Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, March 26, 2015 8:53 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, March 27, 2015 at 3pm EDT

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, March 27, 2015 at 3 pm Eastern Daylight Time

(**No Call Next Week**. Next call will be on **THU, April 9** at 3 pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Unit 1 Muon Tomography Preliminary Results (3/19/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150319_01-e.pdf

2. Contaminated Water Committee (3/17/2015)

(only in Japanese)

2-1. Studies Related to Frozen Soil Wall

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c150317_07-j.pdf

2-2. Studies Related to High-Performance ALPS

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c150317_08-j.pdf

3. NRA Special Facilities Monitoring and Evaluation Committee (3/25/2015)

(only in Japanese)

3-1. "K" Drainage Line Investigation and Actions

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150325_04-j.pdf

3-2. Closure of Seawater Piping Trenches of Units 2, 3, 4

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150325_08-j.pdf

4. Working-level Meeting of Decommissioning & Contaminated Water Issues Team (3/26/2015)

(only in Japanese)

4-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_04-j.pdf

4-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_05-j.pdf

(English translation as of 2/26/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d150226_01-e.pdf

4-3. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_07-j.pdf

4-4. Environmental Radiation Issues (large file size: 56 MB)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_08-j.pdf

4-5. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_10-j.pdf

4-6. Preparation for Fuel Debris Removal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_11-j.pdf

4-7. Radioactive Waste Processing (Radionuclide Analyses of Samples Taken from Units 1-3 R/B)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_12-j.pdf

All the best,
Kenji

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

From: Tateiwa, Kenji

To: Tateiwa, Kenji

Sent: Thursday, March 12, 2015 8:50 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, March 13, 2015 at 3pm EDT

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, March 13, 2015 at 3 pm Eastern **Daylight** Time

(**No Call Next Week**. Next call will be on **Fri, March 27** at 3 pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

1. NRA Special Facilities Monitoring and Evaluation Committee (3/2/2015)

(only in Japanese)

1-1. Closure of Seawater Piping Trenches of Units 2, 3, 4

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150304_05-j.pdf

1-2. Measures to Reduce Radioactivity in "K" Drainage Line

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150304_06-j.pdf

1-3. Investigation on Temporary Increase in Radioactivity in Downstream of "B and C" Drainage Line

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150304_07-j.pdf

1-4. Water Level Management after Operation of Frozen-Soil Wall

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150304_08-j.pdf

2. Rain Water Level Drop in Outer Weir of H4 Area Tank (3/12/2015)

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150312_04-j.pdf

3. New Disclosure Policy and Independent Audit in Light of Recent Drainage Water Issue (3/6/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1248564_6844.html

4. TEPCO President's Remarks on 4th Anniversary of Great East Japan Earthquake (3/11/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1248663_6844.html

5. "Nuclear Energy in Japan Since Fukushima " (2/17/2015)

TEPCO's presentation at the Platts Nuclear Energy Conference.

http://www.platts.com/IM.Platts.Content/ProductsServices/ConferenceandEvents/2015/pc509/presentations/Kenji_Tateiwa.pdf

6. "Estimated Amount of Radioactive Materials Released into the Air by the Fukushima Daiichi NPS Accident" (3/10/2015)

TEPCO's presentation at the US NRC Regulatory Information Conference (RIC.)

<https://ric.nrc-gateway.gov/docs/abstracts/tateiwak-t5-hv-r1.pdf>

All the best,
Kenji

From: Tateiwa, Kenji
Sent: 21 May 2015 21:21:54 -0400
To: Tateiwa, Kenji
Subject: [TEPCO Weekly Fukushima Update Call] Fri, May 22, 2015 at 3pm EDT
Importance: Normal

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, May 22, 2015 at 3pm Eastern Daylight Time
(**No Call Next Week**. Next call will be on **Fri, June 5** at 3pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

1. IAEA Peer Review Mission Report #3 (5/14/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150514_01-e.pdf

"IAEA Issues Report on Fukushima Decommissioning Review" (IAEA Press Release)

<https://www.iaea.org/newscenter/pressreleases/iaea-issues-report-fukushima-decommissioning-review>

2. Fukushima Nuclear Accident Unresolved Issues Progress Report # 3 (5/20/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1250927_6844.html

(English Summary)

http://www.tepco.co.jp/en/press/corp-com/release/betu15_e/images/150520e0101.pdf

(Japanese Full Report: 503 pages, 27 MB)

http://www.tepco.co.jp/cc/press/betu15_j/images/150520j0102.pdf

3. High-Level Meeting of Decommissioning & Contaminated Water Issues Team (5/21/2015)

(only in Japanese)

3-1. Basic Policy regarding the Mid-and-Long-Term Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/t150521_05-j.pdf

3-2. Straw Man for the Mid-and-Long-Term Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/t150521_06-j.pdf

3-3. Enhanced Coordination on R&D Activities for Decommissioning and Contaminated Water Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/t150521_03-j.pdf

** If you cannot display Japanese characters, please install the following font packs:*

<http://www.adobe.com/support/downloads/detail.jsp?ftplD=4881>

(Feel free to forward this email to your colleagues or have them contact me to be added to the distribution list.)

All the best,
Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
2121 K Street, NW Suite 910
Washington, DC 20037
tel: +1-202-457-0790 (ext.)116

(b)(6)

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

From: Tateiwa, Kenji

To: Tateiwa, Kenji

Sent: Thursday, May 07, 2015 9:07 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, May 8, 2015 at 3pm EDT

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, May 8, 2015 at 3 pm Eastern Daylight Time

(**No Call Next Week**. Next call will be on **Fri, May 22** at 3 pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

**1. Unit 1 Drywell Internal Investigation by Transforming Robots: Summary of Findings
(4/30/2015)**

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150430_01-j.pdf

**2. Working-level Meeting of Decommissioning & Contaminated Water Issues Team
(4/30/2015)**

(only in Japanese)

2-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_04-j.pdf

2-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_05-j.pdf

(English translation as of 3/26/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d150326_01-e.pdf

2-3. Contaminated Water Treatment (file size: 14 MB)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_07-j.pdf

2-4. Environmental Radiation Issues (file size: 17 MB)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_08-j.pdf

2-5. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_10-j.pdf

2-6. Preparation for Fuel Debris Removal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_11-j.pdf

2-7. Radioactive Waste Processing

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_12-j.pdf

2-8. NDF's 2015 Technical Strategy Plan in Preparation for Revising the Mid-to-Long Term Decommissioning Roadmap (file size: 18 MB)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_14-j.pdf

2-9. Identification of Risk Factors Related to Off-site Radiological Impact

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_15-j.pdf

2-10. Preparation for Disclosing All Radiological Data

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_16-j.pdf

2-11. Government-Funded Demonstration Testing Results for 5 Contaminated Water Treatment Systems

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150430_17-j.pdf

3. Test Operation of Brine Circulation for Frozen Soil Wall (4/30/2015)

<http://photo.tepco.co.jp/en/date/2015/201504-e/150430-02e.html>

All the best,
Kenji

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

From: Tateiwa, Kenji

To: Tateiwa, Kenji

Sent: Thursday, April 23, 2015 10:42 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, April 24, 2015 at 3pm EDT

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, April 24, 2015 at 3 pm Eastern Daylight Time

(**No Call Next Week**. Next call will be on **Fri, May 8** at 3 pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Unit 1 Drywell Internal Investigation by Transforming Robots (4/10~19/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1249780_6844.html

(April 10 Results)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150413_01-e.pdf

(video clip for April 10)

<http://photo.tepco.co.jp/en/date/2015/201504-e/150413-01e.html>

(April 15 Results)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150416_01-e.pdf

(video clip for April 15)

<http://photo.tepco.co.jp/en/date/2015/201504-e/150416-01e.html>

(April 16 Results)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150417_01-e.pdf

(video clip for April 16)

<http://photo.tepco.co.jp/en/date/2015/201504-e/150417-01e.html>

(April 18-19 Results)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150420_01-e.pdf

(video clip for April 18-19)

<http://photo.tepco.co.jp/en/date/2015/201504-e/150420-01e.html>

2. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues (4/13/2015)

(only in Japanese)

2-1. Water Contamination Monitoring and Effectiveness of Groundwater Bypass System

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_04-j.pdf

2-2. Preparation for Dismantling Unit 1 Reactor Building Cover

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_05-j.pdf

2-3. Outdoor Cable Fire

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_11-j.pdf

2-4. Status Report on Identification of Risk Factors Related to Off-site Radiological Impact

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_12-j.pdf

2-5. New Framework and Organization Related to Disclosure of All Radiological Data

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_13-j.pdf

2-6. NDF's Draft 2015 Technical Strategy Plan in Preparation for Revising the Mid-to-Long Term Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_15-j.pdf

2-7. Draft Straw Man for the Revised Mid-to-Long Term Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_18-j.pdf

2-8. Status Report on Various Issues (155 pages, 13.3 MB)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150413_19-j.pdf

3. NRA Special Facilities Monitoring and Evaluation Committee (4/22/2015)

(only in Japanese)

3-1. Closure of Seawater Piping Trenches of Units 2, 3, 4

<http://www.nsr.go.jp/data/000104663.pdf>

3-2. Water Collected on Lid of High-Intensity Container Inside a Box Culvert

<http://www.nsr.go.jp/data/000104664.pdf>

3-3. Groundwater Inflow Mitigation Measures and Water Level Management

<http://www.nsr.go.jp/data/000104677.pdf>

3-4. Reduction of Radioactivity in Drainage Channels

<http://www.nsr.go.jp/data/000104668.pdf>

4. Inadvertent Stop of Drainage Pumps at K Drainage Channel--Now Restored (4/21, 23/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1249920_6844.html

(Detailed Info)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150421_01-e.pdf

5. IAEA Delegation Visit to Fukushima Daiichi (4/19/2015)

<http://photo.tepco.co.jp/en/date/2015/201504-e/150421-01e.html>

** If you cannot display Japanese characters, please install the following font packs:*

<http://www.adobe.com/support/downloads/detail.jsp?ftplD=4881>

(Feel free to forward this email to your colleagues or have them contact me to be added to the distribution list.)

All the best,

Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
2121 K Street, NW Suite 910
Washington, DC 20037
tel: +1-202-457-0790 (ext.)116

(b)(6)

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

From: Tateiwa, Kenji

To: Tateiwa, Kenji

Sent: Wednesday, April 08, 2015 8:25 PM

Subject: [TEPCO Weekly Fukushima Update Call] THU, April 9, 2015 at 3pm EDT

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

THU, April 9, 2015 at 3 pm Eastern Daylight Time

(No Call Next Week. Next call will be on **Fri, April 24** at 3 pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Unit 3 Shield Plug in Front of Containment Vessel Equipment Hatch: Assumed Cause of Movement (3/30/2015)

Shield plug could have moved due to pressure differential between containment vessel and reactor building when R/B hydrogen explosion occurred.

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150330_04-j.pdf

2. Unit 3 Spent Fuel Pool Gate Condition (4/6/2015)

Visual inspection found no significant impact to one of the two layers of gates (G1) maintaining water-tightness of pool.

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150406_04-j.pdf

3. Crawler Robot to Investigate Inside Unit 1 Drywell (4/6/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150406_01-e.pdf

4-1. Nuclear Safety Reform Plan: Quarterly Progress Report (3/30/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1249285_6844.html

4-2. Full Report

(only in Japanese)

http://www.tepco.co.jp/cc/press/betu15_j/images/150330j0102.pdf

4-3. TEPCO's Nuclear Reform Monitoring Committee

http://www.nrmc.jp/en/report/detail/1249278_5233.html

4-4. "Reviewing the Two Years of Nuclear Safety Reform"

http://www.nrmc.jp/en/report/detail/_icsFiles/afieldfile/2015/04/02/E-5.pdf

5-1. "Trace Amounts of Fukushima Radioactivity Detected Along Shoreline of British Columbia" (4/6/2015)

Press release by the Woods Hole Oceanographic Institution.

<http://www.whoi.edu/news-release/fukushima-ucluelet>

5-2. TEPCO's Sea Water Sampling Data

<http://www.tepco.co.jp/en/nu/fukushima-np/f1/smp/index-e.html>

5-3. TEPCO's Seawater Monitoring Plan (4/1/2015)

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150401_06-j.pdf

All the best,
Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, March 26, 2015 8:53 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, March 27, 2015 at 3pm EDT

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, March 27, 2015 at 3 pm Eastern Daylight Time

(**No Call Next Week.** Next call will be on **THU, April 9** at 3 pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

1. Unit 1 Muon Tomography Preliminary Results (3/19/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150319_01-e.pdf

2. Contaminated Water Committee (3/17/2015)

(only in Japanese)

2-1. Studies Related to Frozen Soil Wall

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c150317_07-j.pdf

2-2. Studies Related to High-Performance ALPS

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c150317_08-j.pdf

3. NRA Special Facilities Monitoring and Evaluation Committee (3/25/2015)

(only in Japanese)

3-1. "K" Drainage Line Investigation and Actions

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150325_04-j.pdf

3-2. Closure of Seawater Piping Trenches of Units 2, 3, 4

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150325_08-j.pdf

4. Working-level Meeting of Decommissioning & Contaminated Water Issues Team (3/26/2015)

(only in Japanese)

4-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_04-j.pdf

4-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_05-j.pdf

(English translation as of 2/26/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d150226_01-e.pdf

4-3. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_07-j.pdf

4-4. Environmental Radiation Issues (*large file size: 56 MB*)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_08-j.pdf

4-5. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_10-j.pdf

4-6. Preparation for Fuel Debris Removal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_11-j.pdf

4-7. Radioactive Waste Processing (Radionuclide Analyses of Samples Taken from Units 1-3 R/B)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_12-j.pdf

All the best,
Kenji

From: Tateiwa, Kenji
Sent: 8 Apr 2015 20:25:01 -0400
To: Tateiwa, Kenji
Subject: [TEPCO Weekly Fukushima Update Call] THU, April 9, 2015 at 3pm EDT
Importance: Normal

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

THU, April 9, 2015 at 3 pm Eastern Daylight Time
(**No Call Next Week**. Next call will be on **Fri, April 24** at 3 pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

1. Unit 3 Shield Plug in Front of Containment Vessel Equipment Hatch: Assumed Cause of Movement (3/30/2015)

Shield plug could have moved due to pressure differential between containment vessel and reactor building when R/B hydrogen explosion occurred.

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150330_04-j.pdf

2. Unit 3 Spent Fuel Pool Gate Condition (4/6/2015)

Visual inspection found no significant impact to one of the two layers of gates (G1) maintaining water-tightness of pool.

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150406_04-j.pdf

3. Crawler Robot to Investigate Inside Unit 1 Drywell (4/6/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150406_01-e.pdf

4-1. Nuclear Safety Reform Plan: Quarterly Progress Report (3/30/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1249285_6844.html

4-2. Full Report

(only in Japanese)

http://www.tepco.co.jp/cc/press/betu15_j/images/150330j0102.pdf

4-3. TEPCO's Nuclear Reform Monitoring Committee

http://www.nrmc.jp/en/report/detail/1249278_5233.html

4-4. "Reviewing the Two Years of Nuclear Safety Reform"

http://www.nrmc.jp/en/report/detail/_icsFiles/afieldfile/2015/04/02/E-5.pdf

5-1. "Trace Amounts of Fukushima Radioactivity Detected Along Shoreline of British Columbia" (4/6/2015)

Press release by the Woods Hole Oceanographic Institution.

<http://www.whoi.edu/news-release/fukushima-uclosure>

5-2. TEPCO's Sea Water Sampling Data

<http://www.tepco.co.jp/en/nu/fukushima-np/f1/smp/index-e.html>

5-3. TEPCO's Seawater Monitoring Plan (4/1/2015)

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150401_06-j.pdf

** If you cannot display Japanese characters, please install the following font packs:*

<http://www.adobe.com/support/downloads/detail.jsp?ftpID=4881>

(Feel free to forward this email to your colleagues or have them contact me to be added to the distribution list.)

All the best,
Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
2121 K Street, NW Suite 910
Washington, DC 20037
tel: +1-202-457-0790 (ext.)116

(b)(6)

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, March 26, 2015 8:53 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, March 27, 2015 at 3pm EDT

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, March 27, 2015 at 3 pm Eastern Daylight Time

(No Call Next Week. Next call will be on **THU, April 9** at 3 pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Unit 1 Muon Tomography Preliminary Results (3/19/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150319_01-e.pdf

2. Contaminated Water Committee (3/17/2015)

(only in Japanese)

2-1. Studies Related to Frozen Soil Wall

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c150317_07-j.pdf

2-2. Studies Related to High-Performance ALPS

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c150317_08-j.pdf

3. NRA Special Facilities Monitoring and Evaluation Committee (3/25/2015)

(only in Japanese)

3-1. "K" Drainage Line Investigation and Actions

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150325_04-j.pdf

3-2. Closure of Seawater Piping Trenches of Units 2, 3, 4

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150325_08-j.pdf

4. Working-level Meeting of Decommissioning & Contaminated Water Issues Team (3/26/2015)

(only in Japanese)

4-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_04-j.pdf

4-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_05-j.pdf

(English translation as of 2/26/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d150226_01-e.pdf

4-3. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_07-j.pdf

4-4. Environmental Radiation Issues (large file size: 56 MB)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_08-j.pdf

4-5. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_10-j.pdf

4-6. Preparation for Fuel Debris Removal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_11-j.pdf

4-7. Radioactive Waste Processing (Radionuclide Analyses of Samples Taken from Units 1-3 R/B)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150326_12-j.pdf

All the best,

Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, March 12, 2015 8:50 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, March 13, 2015 at 3pm EDT

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, March 13, 2015 at 3 pm Eastern Daylight Time

(No Call Next Week. Next call will be on **Fri, March 27** at 3 pm EDT.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. NRA Special Facilities Monitoring and Evaluation Committee (3/2/2015)

(only in Japanese)

1-1. Closure of Seawater Piping Trenches of Units 2, 3, 4

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150304_05-j.pdf

1-2. Measures to Reduce Radioactivity in "K" Drainage Line

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150304_06-j.pdf

1-3. Investigation on Temporary Increase in Radioactivity in Downstream of "B and C" Drainage Line

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150304_07-j.pdf

1-4. Water Level Management after Operation of Frozen-Soil Wall

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150304_08-j.pdf

2. Rain Water Level Drop in Outer Weir of H4 Area Tank (3/12/2015)

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150312_04-j.pdf

3. New Disclosure Policy and Independent Audit in Light of Recent Drainage Water Issue (3/6/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1248564_6844.html

4. TEPCO President's Remarks on 4th Anniversary of Great East Japan Earthquake (3/11/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1248663_6844.html

5. "Nuclear Energy in Japan Since Fukushima " (2/17/2015)

TEPCO's presentation at the Platts Nuclear Energy Conference.

http://www.platts.com/IM.Platts.Content/ProductsServices/ConferenceandEvents/2015/pc509/presentations/Kenji_Tateiwa.pdf

6. "Estimated Amount of Radioactive Materials Released into the Air by the Fukushima Daiichi NPS Accident" (3/10/2015)

TEPCO's presentation at the US NRC Regulatory Information Conference (RIC.)

<https://ric.nrc-gateway.gov/docs/abstracts/tateiwak-t5-hv-r1.pdf>

All the best,

Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, February 26, 2015 10:50 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Feb. 27, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Feb. 27, 2015 at 3 pm Eastern Standard Time
(**No Call Next Week**. Next call will be on **Fri, March 13** at 3 pm **EDT**.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

**1. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues
(2/23/2015)**

(only in Japanese)

**1-1. Water Contamination Monitoring and Effectiveness of Groundwater Bypass
System**

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150223_04-j.pdf

1-2. Dismantling Plan for Unit 1 Reactor Building Cover

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150223_05-j.pdf

1-3. Occupational Safety Corrective Actions

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150223_06-j.pdf

1-4. Contaminated Water Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l150223_12-j.pdf

**2. Working-level Meeting of Decommissioning & Contaminated Water Issues Team
(2/26/2015)**

(only in Japanese)

2-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_04-j.pdf

2-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_05-j.pdf

(English translation as of 1/29/2015)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d150129_01-e.pdf

2-3. Re-insertion of Thermocouple into Unit 2 RPV Bottom via SLC Line

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_06-j.pdf

2-4. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_07-j.pdf

2-5. Environmental Radiation Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_08-j.pdf

2-6. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_10-j.pdf

2-7. Preparation for Fuel Debris Removal (3D Laser Scanning, Muon Tomography)

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_11-j.pdf

2-8. D&D-Related R&D Progress and Future Plans

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_13-j.pdf

**2-9. Selection of Technologies to Undergo Tritium-Separation Demonstration
Testing**

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_14-j.pdf

2-10. Establishment of Global Decommissioning Joint Research Center
http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d150226_15-j.pdf

3. Temporary Increase in Radioactivity in Downstream of "B and C" Drainage Line (2/24/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1248327_6844.html

4. Unit 2 Reactor Building Truck Bay Door Roof Likely Source of Radioactivity in "K" Drainage Line (2/24/2015)

www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150224_01-e.pdf

5. Briefing to Fishermen's Association in Fukushima Prefecture Regarding Contaminated Water Issues (2/25/2015)

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150225_05-j.pdf

6. Unit 1 Reactor Building 4th Floor Inspection by Technical Committee of Niigata Prefecture (2/21/2015)

(only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2015/images/handouts_150221_06-j.pdf

7. Third IAEA Review of Fukushima Daiichi Decommissioning Roadmap (2/17/2015)

<https://www.iaea.org/newscenter/pressreleases/iaea-team-completed-third-review-japans-plans-decommission-fukushima>

(photos)

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150217_03-e.pdf

All the best,
Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, February 12, 2015 10:37 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Feb. 13, 2015 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Feb. 13, 2015 at 3 pm Eastern Standard Time

(**No Call Next Week.** Next call will be on **Fri, Feb. 27** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. NRA Special Facilities Monitoring and Evaluation Committee (2/9/2015)

(only in Japanese)

1-1. Closure of Seawater Piping Trenches of Units 2, 3, 4

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0031_02.pdf

1-2. Water Level Management after Operation of Frozen-Soil Wall (summary)
http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0031_03.pdf

1-3. Water Level Management after Operation of Frozen-Soil Wall (reference information)

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0031_08.pdf

2. Installation of Muon Detectors for Fuel Debris Detection at Unit 1 (2/9/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1248057_6844.html

(photos)

[http://www.tepco.co.jp/en/nu/fukushima-](http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150209_01-e.pdf)

[np/handouts/2015/images/handouts_150209_01-e.pdf](http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150209_01-e.pdf)

3. *"The Great Race: The Global Quest for the Car of the Future"*

<http://amzn.com/B00LD1OP0Q>

This book features TEPCO's current Chief Nuclear Officer, Takafumi Anegawa, as a visionary who jump started Japan's electric vehicle industry.

All the best,
Kenji

From: Tateiwa, Kenji
Sent: 16 Jan 2015 07:32:12 -0500
To: Tateiwa, Kenji
Subject: Correction [TEPCO Weekly Fukushima Update Call] Fri, Jan. 16, 2015 at 3pm EST
Importance: Normal

Nuclear Sector Colleagues,

There was a typo in my notice that I sent out last night regarding the start time of today's call. It is at **3 pm EST as usual** (not at 2 pm).

All the best,
Kenji

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

From: Tateiwa, Kenji
To: Tateiwa, Kenji
Sent: Thursday, January 15, 2015 8:41 PM
Subject: [TEPCO Weekly Fukushima Update Call] Fri, Jan. 16, 2015 at 3pm EST

Nuclear Sector Colleagues,

Happy New Year!
Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Jan. 16, 2015 at 2 pm Eastern Standard Time
(Next call will be on **Fri, Jan. 23** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)
call number: 718-354-1184

(b)(6)

[Major topics]

1. Working-level Meeting of Decommissioning & Contaminated Water Issues Team (12/25/2014)

(only in Japanese)

1-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_04-j.pdf

1-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_04-j.pdf

(English translation as of 11/27/2014)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d141127_01-e.pdf

1-3. Shortening the Length of Circulating Water Cooling System Loop

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_06-j.pdf

1-4. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_07-j.pdf

1-5. Environmental Radiation Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_08-j.pdf

1-6. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_10-j.pdf

1-7. Preparation for Fuel Debris Removal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_11-j.pdf

1-8. Radioactive Waste Disposal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141225_12-j.pdf

2. NRA Special Facilities Monitoring and Evaluation Committee (12/26/2014)
(only in Japanese)

2-1. Status of Filling Up Underground Seawater Piping Trenches

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_01.pdf

2-2. Measures to Achieve Incremental Effective Dose Limit at Site Boundary

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_03.pdf

2-3. Completion of Fuel Transfer from Unit 4 Spent Fuel Pool

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_05.pdf

2-4. Leakage of ALPS-Treated Water from J6 Tank Farm

http://www.nsr.go.jp/committee/yuushikisya/tokutei_kanshi/data/0030_06.pdf

3. IAEA to Review Fukushima Daiichi Decommissioning and Kashiwazaki Kariwa Operational Safety (1/7/2015)

http://www.tepco.co.jp/en/press/corp-com/release/2015/1247076_6844.html

4. Figures and Video Clips Describing Various Water Management Measures

<http://www.tepco.co.jp/en/decommision/planaction/waterprocessing-e.html>

5. Overview of Fukushima Daiichi Accident and Lessons Learned (33 MB)

<http://www.tepco.co.jp/en/decommision/accident/images/outline01.pdf>

** If you cannot display Japanese characters, please install the following font packs:*

<http://www.adobe.com/support/downloads/detail.jsp?ftpID=4881>

(Feel free to forward this email to your colleagues or have them contact me to be added to the distribution list.)

All the best,
Kenji

Kenji Tateiwa
Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
2121 K Street, NW Suite 910
Washington, DC 20037

tel: +1-202-457-0790 (ext.)116

(b)(6)

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

From: Tateiwa, Kenji

To: Tateiwa, Kenji

Sent: Monday, December 22, 2014 7:59 PM

Subject: [TEPCO Weekly Fukushima Update Call] TUE, Dec. 23 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

TUE, Dec. 23, 2014 at 3 pm Eastern Standard Time

(**No call next two weeks**. Next call will be on **Fri, Jan. 16, 2015** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues (12/19/2014)

(only in Japanese)

1-1. Removal of Cs and Sr from Seawater, etc.

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141219_03-j.pdf

1-2. Unit 1 Reactor Building Refueling Floor Inspection Results

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141219_05-j.pdf

1-3. Applicability of Plastic Scintillation Fiber (PSF) to Detect Minor Leakage from Tanks

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141219_07-j.pdf

1-4. Leakage of ALPS-Treated Water

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141219_08-j.pdf

1-5. Response to Various Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141219_09-j.pdf

2. Completion of Fuel Transfer from Unit 4 Spent Fuel Pool (12/22/2014)

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

2-1. Video Clip Summarizing Path to Success (6 minutes)

http://www.tepco.co.jp/en/news/library/archive-e.html?video_uuid=w220b15k&catid=61795

2-2. Video Message from Mr. Hirose, TEPCO's President (5 minutes)

http://www.tepco.co.jp/en/news/library/archive-e.html?video_uuid=w785h9cj&catid=61783

2-3. Explanation Slides (only in Japanese)

http://www.tepco.co.jp/nu/fukushima-np/handouts/2014/images/handouts_141222_04-j.pdf

Happy holidays to you all!

All the best,
Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Thursday, December 11, 2014 10:07 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Dec. 12 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Dec. 12th, 2014 at 3 pm Eastern Standard Time

(**No call next week**. Next call will be on **TUE, Dec. 23** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Overview of Measures to Treat Contaminated Water

<http://www.tepco.co.jp/en/decommision/planaction/waterprocessing-e.html>

2. Explanation on Subdrain and Groundwater Drain Systems to the Fishermen's Association of Iwaki City (12/10/2014)

(only in Japanese)

2-1. Confirmation of Stable Performance in Removing Radionuclides from Subdrain and Groundwater Drain

http://www.tepco.co.jp/nu/fukushima-np/handouts/2014/images/handouts_141210_06-j.pdf

2-2. Basic Concept of Operating the Subdrain and Groundwater Drain Systems

http://www.tepco.co.jp/nu/fukushima-np/handouts/2014/images/handouts_141210_07-j.pdf

2-3. Detection of High Concentration of Radioactivity from Subdrain Pits # 18/19 and Measures Taken

http://www.tepco.co.jp/nu/fukushima-np/handouts/2014/images/handouts_141210_09-j.pdf

3. Approval by NRA on Design Modification to add Sr Removal Capability to SARRY (Cs Removal) System (12/11/2014)

(only in Japanese; 8.8 MB, 372 pages)

http://www.tepco.co.jp/cc/press/betu14_j/images/141211j0101.pdf

All the best,
Kenji

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

From: [Tateiwa, Kenji](#)

To: Tateiwa, Kenji

Sent: Thursday, December 04, 2014 9:35 PM

Subject: [TEPCO Weekly Fukushima Update Call] Fri, Dec. 5 at 3pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

Fri, Dec. 5th, 2014 at 3 pm Eastern Standard Time

(Next call will be on **Fri, Dec. 12** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Contaminated Water Countermeasures Committee (11/13/2014)

(only in Japanese)

1-1. Status of Contaminated Water Countermeasures and Risk Map

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c141113_03-j.pdf

1-2. Recent Topics at 1F

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c141113_04-j.pdf

1-3. Task Force on Frozen Soil Wall

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c141113_06-j.pdf

1-4. Demonstration Test for High-performance ALPS

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c141113_07-j.pdf

1-5. Task Force on Tritiated Water

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c141113_08-j.pdf

1-6. Study on Shallow Ground Disposal of Tritiated Water

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c141113_09-j.pdf

1-7. Status of Contaminated Water Treatment Technology Demonstration Testing

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/c141113_10-j.pdf

2. On-Site Coordination Meeting on Decommissioning & Contaminated Water Issues (11/25/2014)

(only in Japanese)

2-1. Status of Onsite Work Related to Contaminated Water Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141125_03-j.pdf

2-2. Response to Issues Raised at the Coordination Meeting

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141125_04-j.pdf

2-3. Procedure for Closure of Frozen Soil Wall

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/l141125_05-j.pdf

**3. Working-level Meeting of Decommissioning & Contaminated Water Issues Team
(11/27/2014)**

(only in Japanese)

3-1. Plant Status

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_04-j.pdf

3-2. Summary Status of Decommissioning Roadmap

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_05-j.pdf

3-3. Contaminated Water Treatment

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_07-j.pdf

3-4. Environmental Radion Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_08-j.pdf

3-5. Spent Fuel Pool Issues

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_10-j.pdf

3-6. 3D Laser Scanning in Unit 1 Torus Room

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_11-j.pdf

3-7. Solid Radioactive Waste Treatment and Disposal

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_12-j.pdf

3-8. Progress on Emergency Safety Enhancement

http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/d141127_14-j.pdf

4. Introduction of ICP-MS Method Allowing Quicker Measurement of Sr-90 in Water

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2014/images/handouts_141127_01-e.pdf

All the best,

Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Monday, November 24, 2014 10:51 AM

Subject: NO CALL THIS WEEK [TEPCO Weekly Fukushima Update Call] Next on Fri, Dec. 5 at 3pm EST

Nuclear Sector Colleagues,

Due to unavoidable change in schedule, I will have to **cancel the call planned for tomorrow (Tue, Nov. 25.)**

Next call will be on **Fri, Dec. 5th** at 3 PM.

Apologies for any inconvenience this may cause you.
Feel free to contact me should you have any questions.

All the best,

Kenji

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

From: [Tateiwa, Kenji](#)

To: [Tateiwa, Kenji](#)

Sent: Wednesday, November 12, 2014 7:09 PM

Subject: [TEPCO Weekly Fukushima Update Call] THU, Nov. 13 at 3 pm EST

Nuclear Sector Colleagues,

Please find below information for tomorrow's Weekly Fukushima Update Call.

[Date/time]

THU, Nov. 13, 2014 at 3 pm Eastern Standard Time

(**No call next week.** Next call will be on **TUE, Nov. 25** at 3 pm EST.)

[call-in information] (Please record your name and organization when joining the call.)

call number: 718-354-1184

(b)(6)

[Major topics]

1. Unit 1 Reactor Building Cover Roof Panel Removal (11/10/2014)

<http://photo.tepco.co.jp/en/date/2014/201411-e/141110-01e.html>

2. TEPCO's Statement on Detection of Trace Amounts of Cs-134 Off U.S. West Coast (11/11/2014)

http://www.tepco.co.jp/en/press/corp-com/release/2014/1243939_5892.html

2.1 Woods Hole Oceanographic Institution's Press Release

<http://www.whoi.edu/news-release/Fukushima-detection>

2.2 Discussion Board on the New REDDIT Journal of Science

http://www.reddit.com/r/science/comments/2lusz5/science_ama_series_im_ken_bue_sseler_an/?limit=500

3. Radioactivity in Seawater Near Fukushima Daiichi (11/12/2014)

<http://www.tepco.co.jp/en/nu/fukushima-np/f1/smp/index-e.html>

3.1 Inside the Port of 1F

http://www.tepco.co.jp/en/nu/fukushima-np/f1/smp/2014/images/intake_canal_map-e.pdf

3.2 Outside the Port of 1F

http://www.tepco.co.jp/en/nu/fukushima-np/f1/smp/2014/images/seawater_map-e.pdf

4. Summary Status of Decommissioning Roadmap--English Translation (9/25/2014)

http://www.tepco.co.jp/en/nu/fukushima-np/roadmap/images/d140925_01-e.pdf

5. Large-Scale Emergency Drill at Kashiwazaki Kariwa NPS (11/11/2014)

(only in Japanese)

<http://www.tepco.co.jp/nu/kk-np/info/tohoku/2014/pdf/26110702.pdf>

(photos)

<http://photo.tepco.co.jp/en/date/2014/201411-e/141111-01e.html>

All the best,
Kenji

Page 1504 of 2257

Withheld pursuant to exemption

Outside of Scope

of the Freedom of Information and Privacy Act

Page 1505 of 2257

Withheld pursuant to exemption

Outside of Scope

of the Freedom of Information and Privacy Act

Page 1506 of 2257

Withheld pursuant to exemption

Outside of Scope

of the Freedom of Information and Privacy Act

Page 1507 of 2257

Withheld pursuant to exemption

Outside of Scope

of the Freedom of Information and Privacy Act

Page 1508 of 2257

Withheld pursuant to exemption

Outside of Scope

of the Freedom of Information and Privacy Act

Page 1509 of 2257

Withheld pursuant to exemption

Outside of Scope

of the Freedom of Information and Privacy Act

Page 1510 of 2257

Withheld pursuant to exemption

Outside of Scope

of the Freedom of Information and Privacy Act

Page 1511 of 2257

Withheld pursuant to exemption

Outside of Scope

of the Freedom of Information and Privacy Act

Page 1512 of 2257

Withheld pursuant to exemption

Outside of Scope

of the Freedom of Information and Privacy Act

Page 1513 of 2257

Withheld pursuant to exemption

Outside of Scope

of the Freedom of Information and Privacy Act

Status of the Fukushima Daiichi Nuclear Power Station

**～With focus on countermeasures for
contaminated water～**

January, 2014

Tokyo Electric Power Company, Inc.



東京電力

The issue involves three challenges:

■ Increase of contaminated water

Some 400 tons of groundwater flows into the site buildings every day and becomes contaminated.

This is largely a battle against nature.

■ Outflow of contaminated water into the sea and its countermeasures

Contaminated water around the site buildings is flowing into the NPS's port.

The effect of the contaminated water is contained within the port, with the concentration of radioactive materials remaining at a stable level with no impact.

■ Leakage from tanks

Approx. 300 tons of contaminated water leaked from tanks (August)

Rainwater overflow and leakage from slope-installed tanks at the time of typhoon (October)

Countermeasures have been stepped up for these management issues.



0. Introduction

1. Reactor cooling status

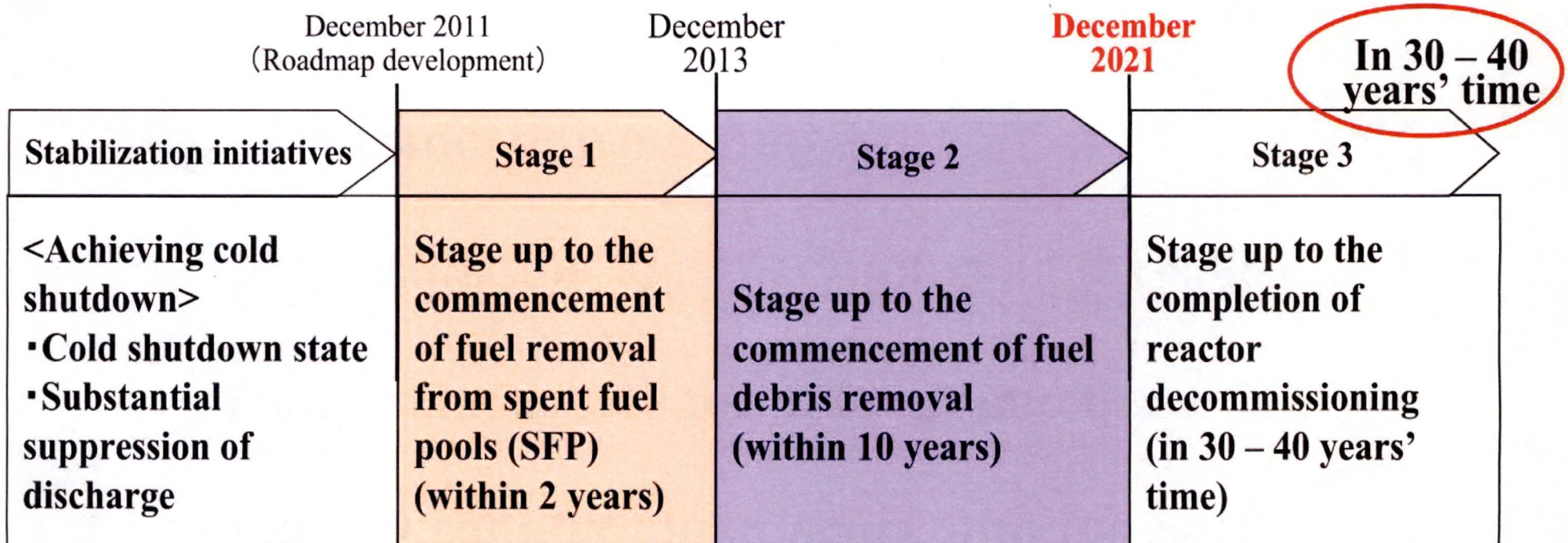
2. Flow of contaminated water into the port

3. Countermeasures for contaminated water

4. Risk reduction measures for tank leakage

5. Fuel removal from Unit 4

■ Milestones on the roadmap



■ Unit-specific schedule

- Carry out (1) **fuel removal from SFP** and (2) **fuel debris removal** as soon as practically possible for risk reduction. Build up work schedule and **prepare multiple plans** according to the status of each reactor unit.

| | Fuel removal | Fuel debris removal |
|-----------------------------------|--|---|
| Current target | December 2013 (initial unit) | December 2021 (initial unit) |
| Unit 1 (Fastest plan = Plan 2) | H2 FY2017 | <u>H1 FY2020</u> (brought forward by one and a half years) |
| Unit 2 (Fastest plan = Plan 1) | H2 FY2017 | <u>H1 FY2020</u> (brought forward by one and a half years) |
| Unit 3 (Fastest plan = Plan 1) | H1 FY2015 | H2 FY2021 |
| Unit 4 | <u>November 2013</u> (brought forward by one month) | — |

<Glossary>

◆ Cold shutdown state

Reactor state in which the temperature of RPV bottom is, in general, below 100 degrees Celsius, with the release of radioactive materials from PCV substantially contained

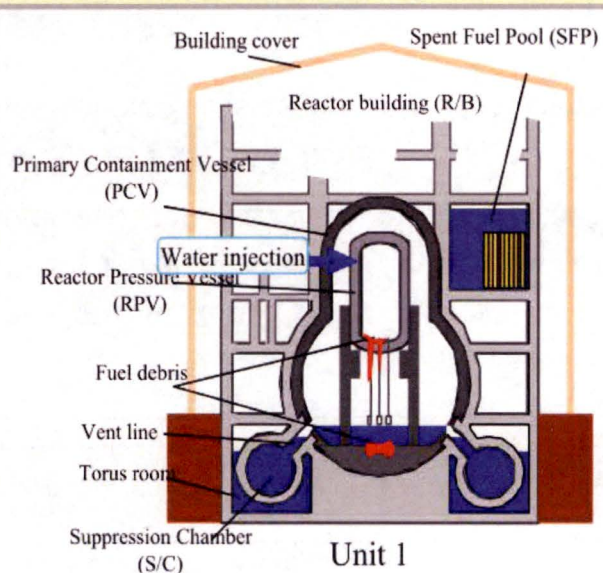
◆ Spent Fuel Pool (SFP)

Pool situated beside a reactor for storing and managing fuels that have been spent in the reactor

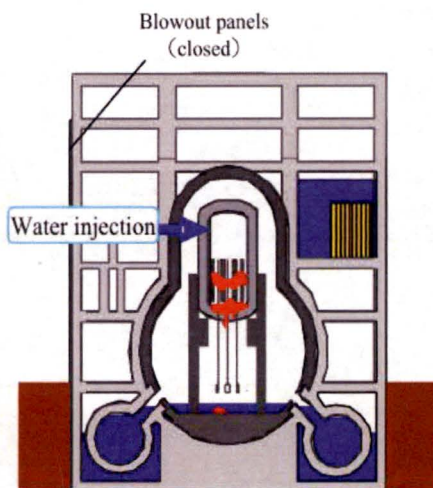
◆ Fuel debris

Fuel, cladding, etc. that have melted and become re-solidified

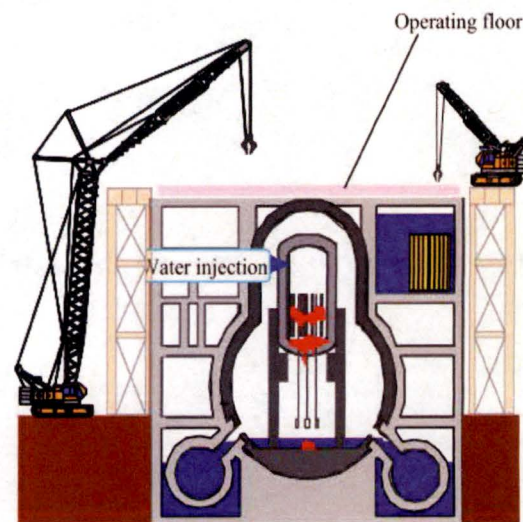
All units maintaining the cold shutdown state



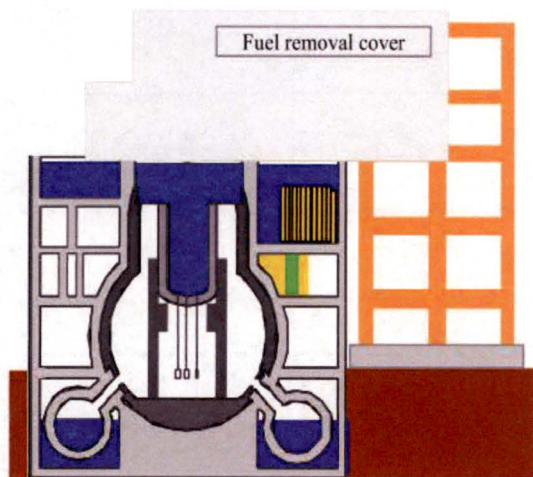
Unit 1



Unit 2



Unit 3



Unit 4

| | RPV bottom temperature | PCV temperature | SFP temperature | Reactor water injection volume |
|--------|------------------------|-----------------|-----------------|---|
| Unit 1 | Approx. 23°C | Approx. 23°C | Approx. 17°C | Feedwater system: 2.4m ³ /h Core spray system: 1.8m ³ /h |
| Unit 2 | Approx. 32°C | Approx. 32°C | Approx. 15°C | Feedwater system: 1.9m ³ /h Core spray system: 3.4m ³ /h |
| Unit 3 | Approx. 30°C | Approx. 29°C | Approx. 13°C | Feedwater system: 1.9m ³ /h Core spray system: 3.3m ³ /h |
| Unit 4 | — | — | Approx. 22°C | — |

<Glossary>

◆ Primary Containment Vessel (PCV)

Steel vessel containing the Reactor Pressure Vessel (RPV) and other main reactor facilities

◆ Reactor Pressure Vessel (RPV)

Vessel containing fuel assemblies, control rods and other in-core structures, and generating steam from nuclear reaction with fuel

◆ Torus room

Room that contains the Suppression Chamber (S/C) (The name comes from the donut-like “Torus” shape of the suppression chamber)

◆ Suppression Chamber (S/C)

Facility that draws and cools steam from RPV for depressurization when the steam pressure in RPV elevates. It is also used as the source of water during emergency core cooling

◆ Blow-out Panel

Panel that is opened when pressure inside R/B becomes elevated

◆ Reactor feedwater system

Steam that passes through the turbine is cooled and condensed in the condenser. This system supplies this condensate as cooling water for the reactor.

◆ Core spray system

This system sprays cooling water over the top of the reactor core to prevent fuel and claddings from becoming overheated and damaged.

- Common task among all the units
Selecting the fuel / fuel debris removal plan from the perspective of seismic safety and workability

Unit 1

Current status

Building cover installed (November 2011)

Aimed at controlling the dispersion of radioactive materials from the reactor building, whose top section was blown off in an hydrogen explosion.

Sustained stable reactor cooling, which has reduced the amount of radioactive materials generated

Task

Removal of the building cover

Due to be dismantled, starting at the end of FY2013, to remove debris at the top of the reactor building

Identification of the status of debris on the operating floor and inside the pools

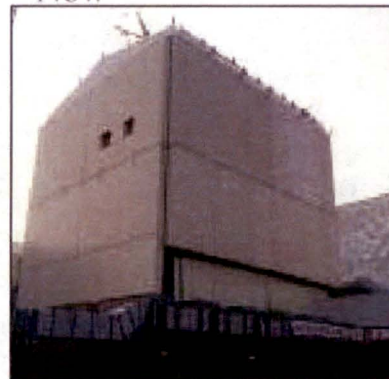
Countermeasures for the dispersion of radioactive materials during the removal of the building cover

Shortening of the building cover dismantlement period

Immediately after the earthquake



Now



Unit 2

Current
status

Very high radiation level in the building

Investigation into the operating floor's contamination status planned

Tasks

Radiation dose reduction measures

Measures for controlling the dispersion of radioactive materials during engineering work

Immediately after the earthquake



Now



Unit 3

Current status

Debris removal from the top of the reactor building completed (October 11, 2013)

Installation of fuel removal cover and fuel handling facility planned

Steel frame debris dropped into SFP (September 2012)

Fuel removal target rescheduled to prioritize safety

(End of 2014 ⇒ H1 FY2015)

Task

Due to high radiation levels, radiation dose reduction measures must be carried out safely and steadily with remote-controlled heavy machinery.

Immediately after the earthquake



Now



Unit 4

Current status

Debris removal from the top of the reactor building completed (December 2012)

Fuel removal cover installed

Fuel removal facility installed inside the fuel removal cover

Fuel removal from SFP commenced (November 18, 2013)

(Removal commencement: One month ahead of the initial schedule / Due to be completed at the end of 2014)

Tasks

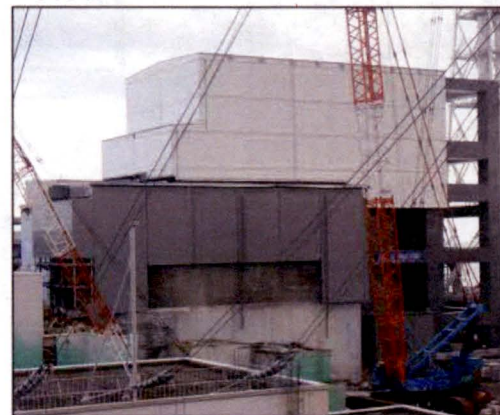
Continuing work while assuring safety

Exploring the method for removing fuel with confirmed leakage

Immediately after the earthquake



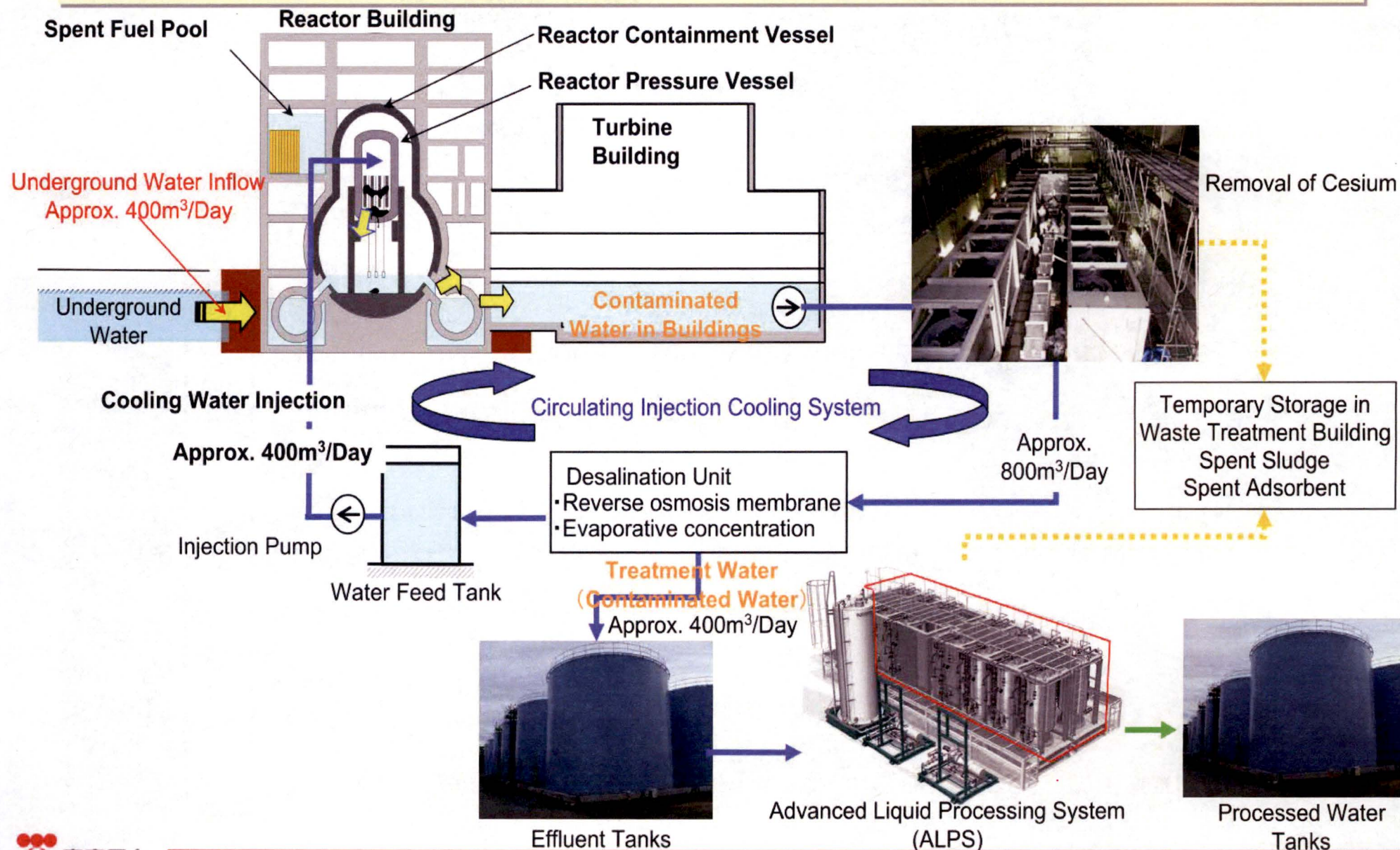
Now



1. Reactor cooling status Circulating Injection Cooling System

12

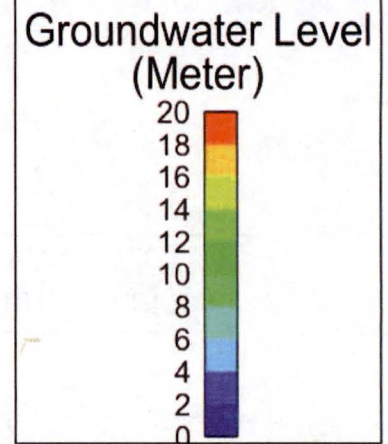
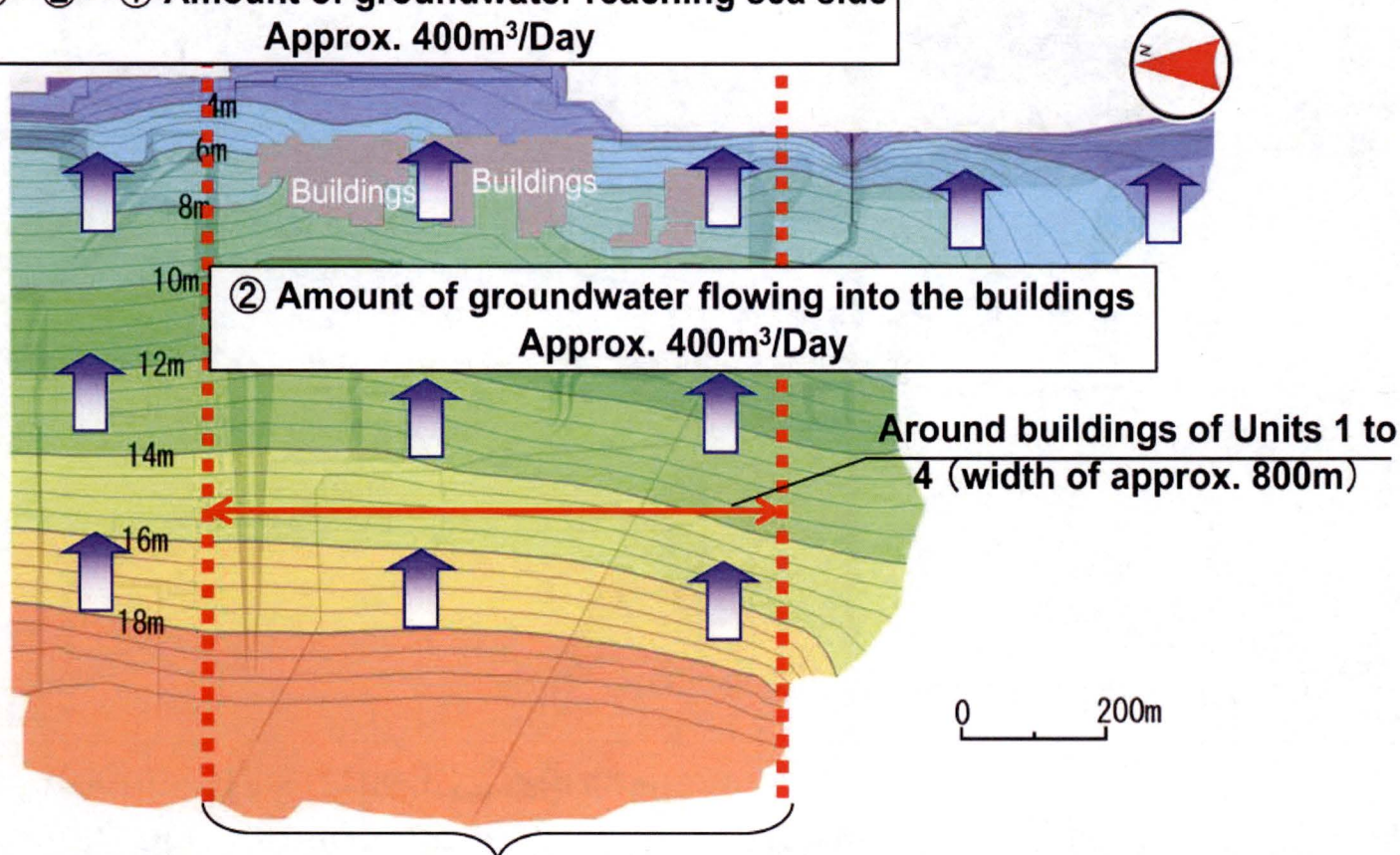
- Continuous operation of the circulating injection cooling system keeps the reactors in a stable condition at low temperature.



<Image of groundwater flow>

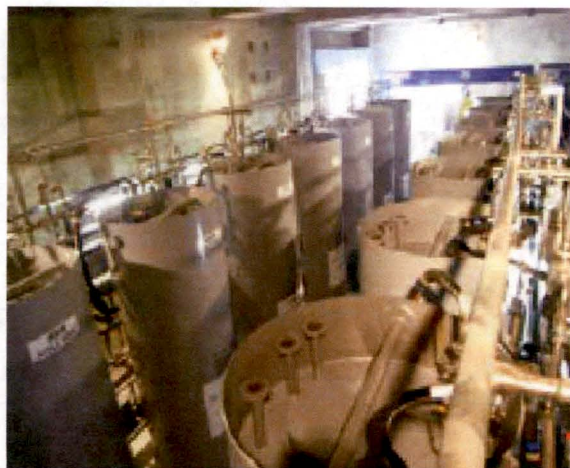
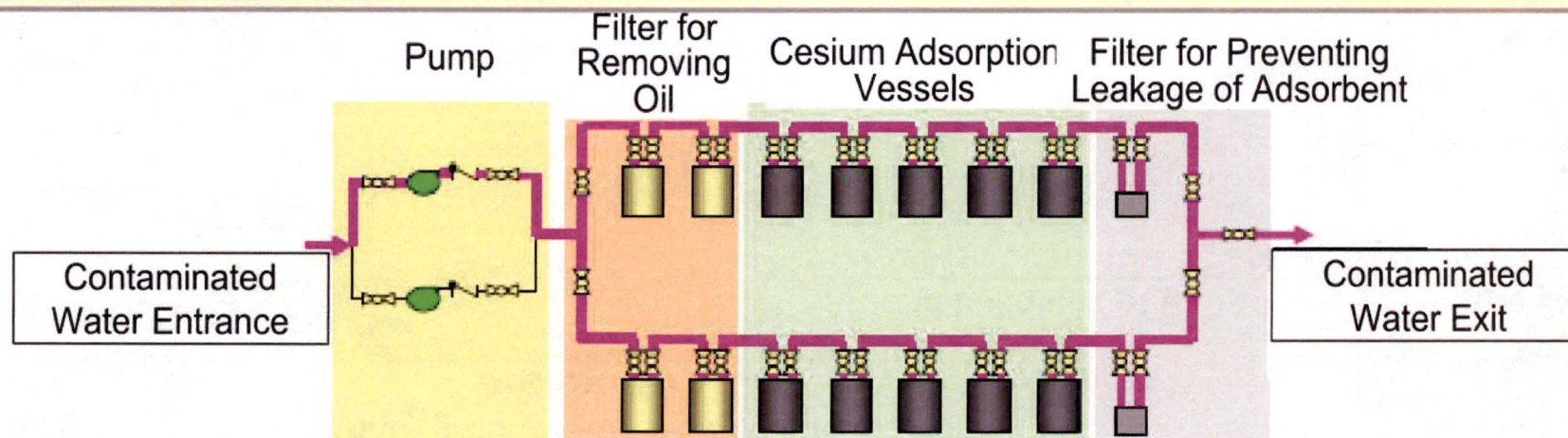
- Some 800 cubic meters of groundwater around Units 1 - 4 buildings is flowing from the mountain side into the NPS per day, with 400 cubic meters per day assumed to flow into the buildings per day, and the remaining 400 cubic meters traveling on to the sea. Groundwater that ends up in the buildings becomes contaminated and requires treatment.

③ - ② = ① Amount of groundwater reaching sea side
Approx. 400m³/Day



③ Amount of groundwater from the mountain side
Approx. 800m³/Day

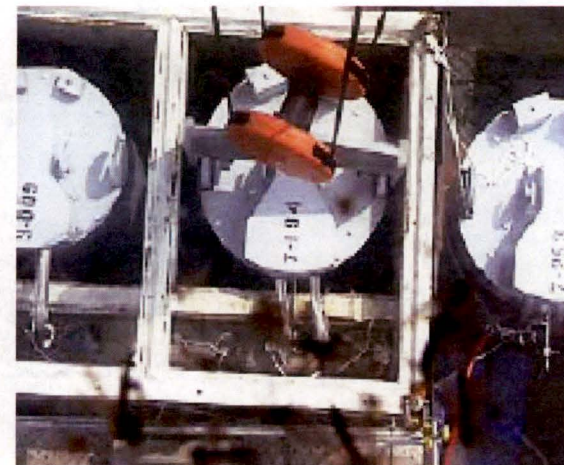
- Start of operation: June 17, 2011 (KURION) , August 19, 2011 (SALLY)
- Amount of treatment: 1,200m³/Day



Cesium Adsorption Vessels

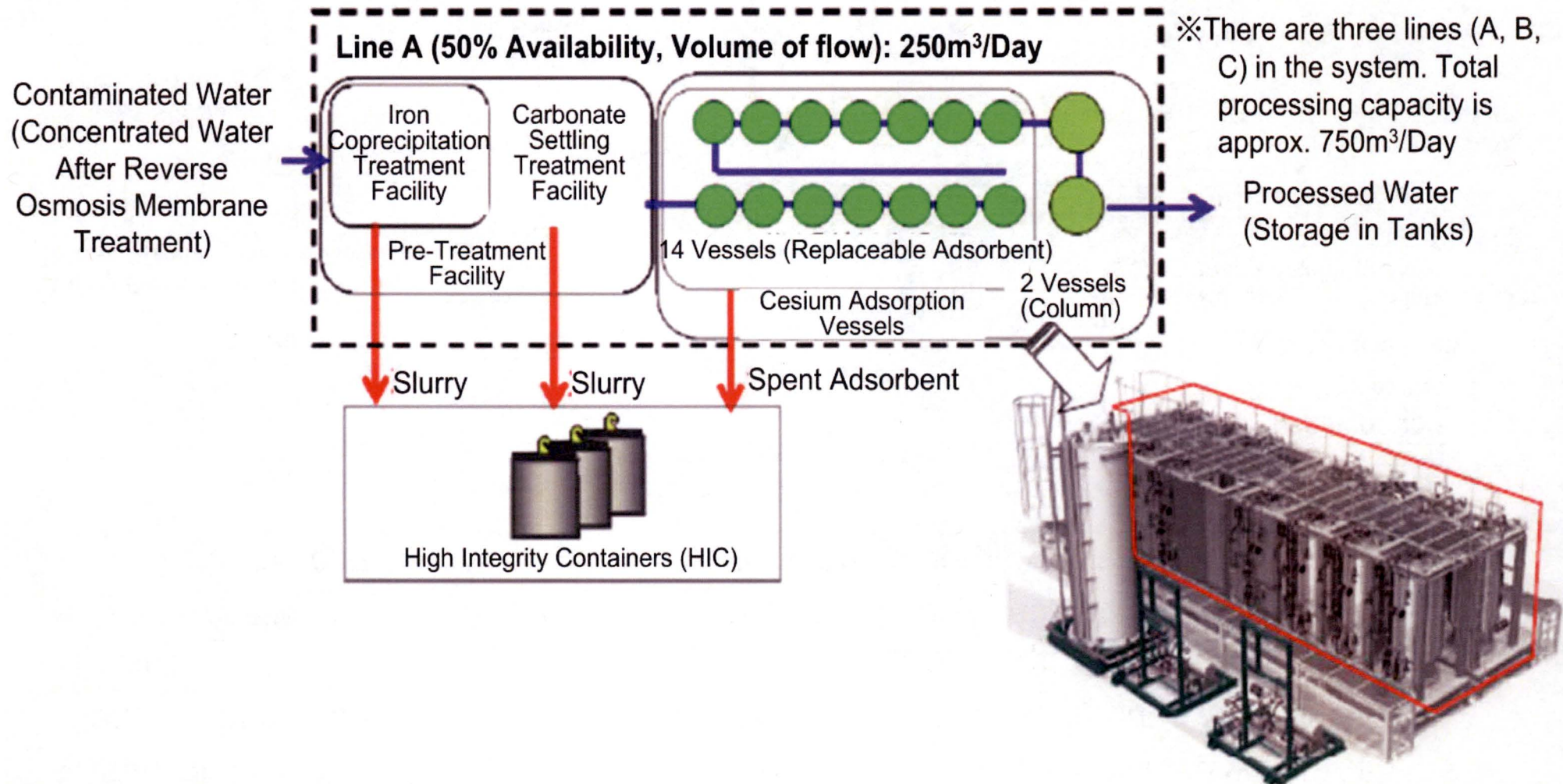


Installation of Cesium Adsorption Vessel

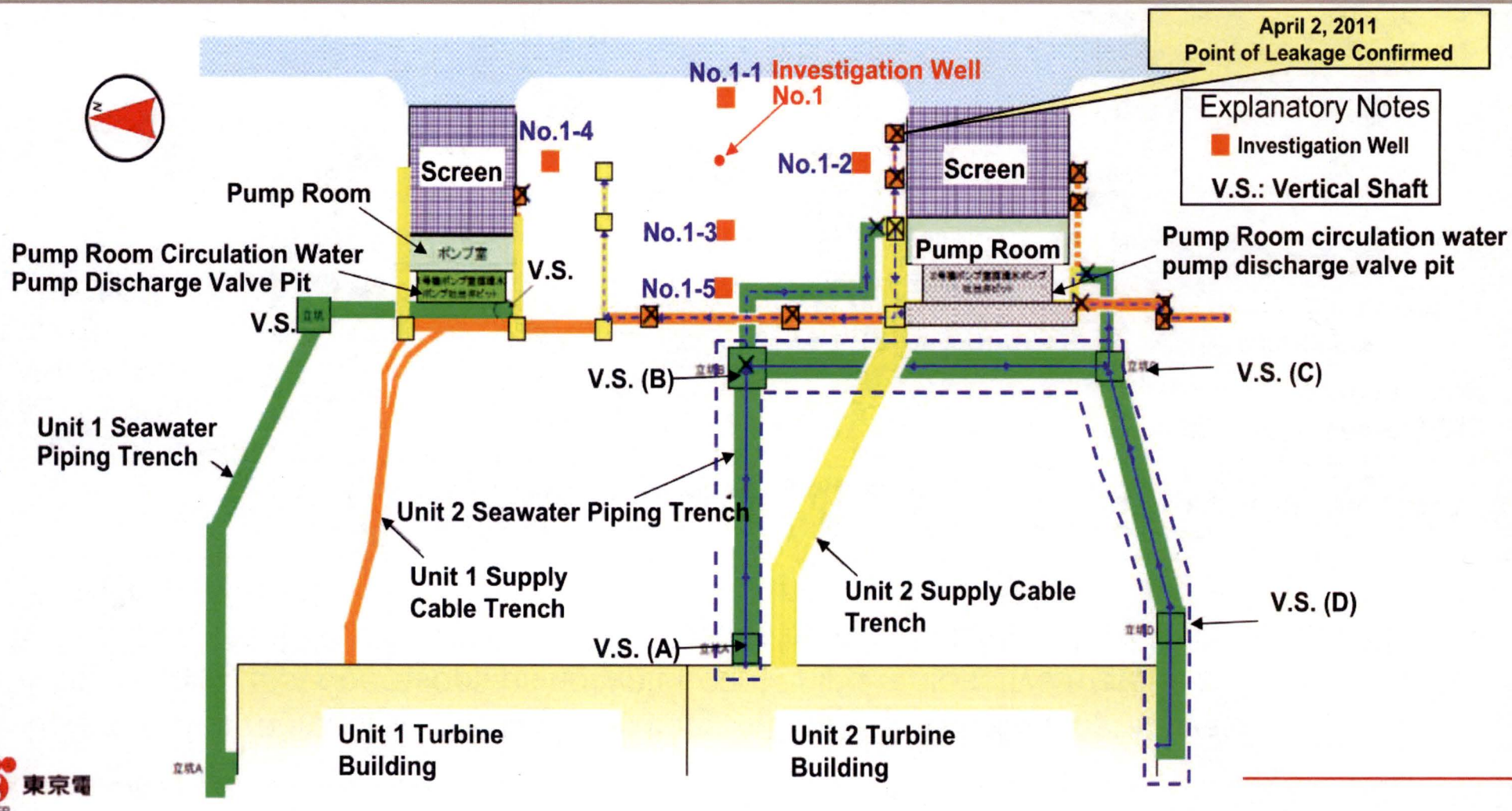


Changing Cesium Adsorption Vessels

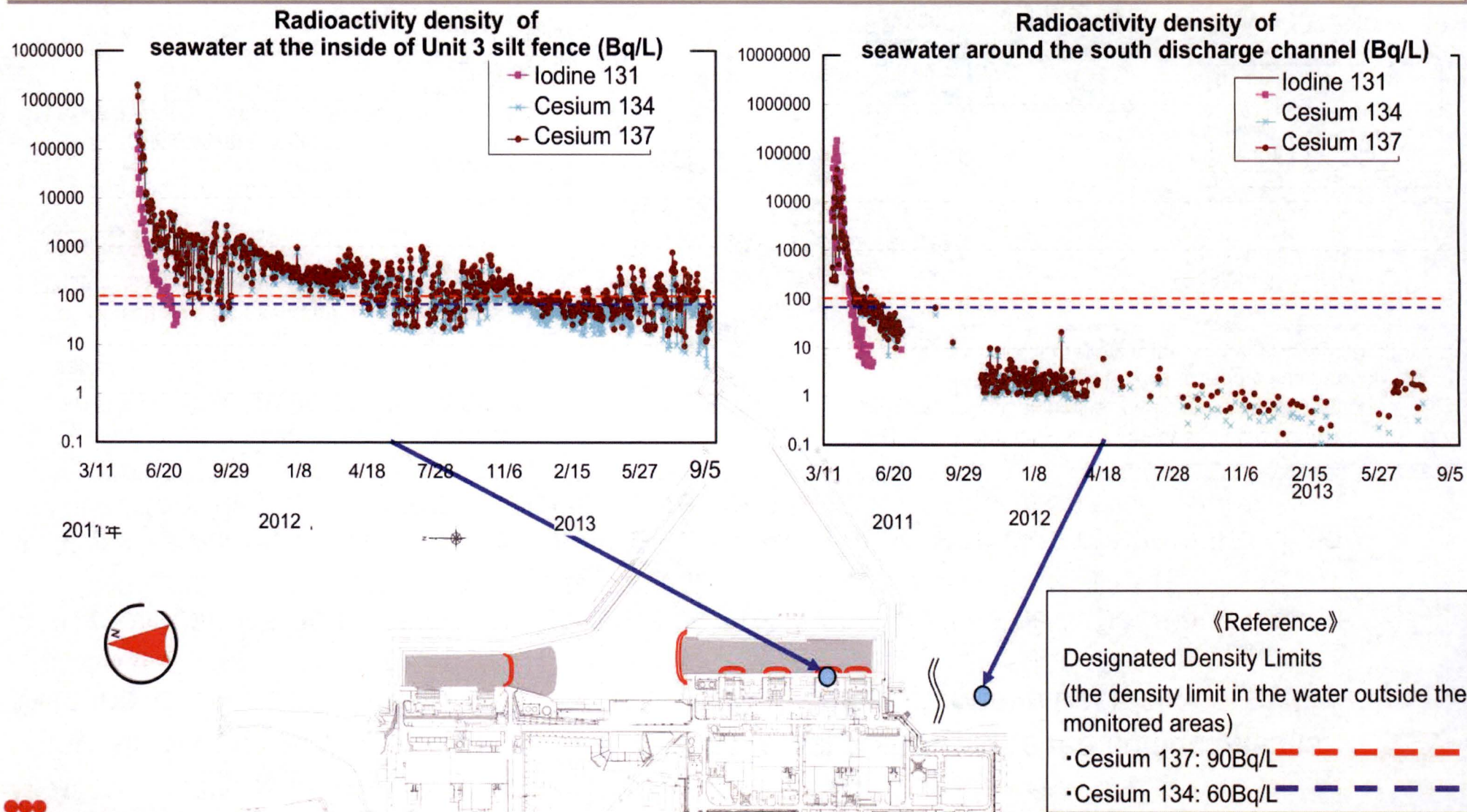
- Removal of radioactive materials (except Tritium) from contaminated water.
- Undergoing test operations using water containing radioactive materials.
- Confirmed that the density of 62 nuclides fell below the Designated Density Limits in verification tests.



- Immediately following the accident, highly-concentrated contaminated water from the basement of the turbine building flowed out to the inner port through an underground trenches.
- Outflow between the port and the trenches has already been stanchied, but highly-concentrated contaminated water remains in the underground structure.



- The results of continuous sampling of seawater in the port show that the radioactivity density gradually lowered, but recently it has remained at the same level.
- At present, over 100Bq/L of Cesium 137 is still being detected in front of Units 1-4's water intakes.



- At the locations in front of Units 1-4's water intakes (●), the All- β and Tritium densities in seawater have been showing repeated fluctuations.
- At the locations inside the port (○), the densities in seawater have been **almost below the detection limit values**.
- At the locations near the boundary of the port (●), the densities have been **at the same levels or lower than those inside the port**.
- At the locations 3km and 15km offshore the power station, and 3km offshore the Ukedo River, the All- β and Tritium densities have been **below the detection limit values**.

<Water quality measurement results (excerpts);
sampling dates are in parentheses> (Units: Bq/L)

Analysis items and measurement frequencies

- Tritium, Cesium and All- β : Once a week
- Strontium: Once a month

- Monitoring of effect on the ocean
- Monitoring of distribution of radioactivity densities inside the port
- Monitoring of effect inside the port
- Newly added points outside the port

Cesium-134 : ND
Cesium-137 : ND
All- β : ND
Tritium : 2.7

Cesium-134 : ND
Cesium-137 : ND
All- β : 21
Tritium : 18

Cesium-134 : 1.7
Cesium-137 : 2.5
All- β : ND
Tritium : 5.4

Cesium-134 : 1.7
Cesium-137 : 2.7
All- β : 21
Tritium : ND

Cesium-134 : ND
Cesium-137 : 1.4
All- β : ND
Tritium : 6.7

Cesium-134 : 6.2
Cesium-137 : 19
All- β : 110
Tritium : 130

Sea-side
impervious
wall (under
construction)

Cesium-134 : 16
Cesium-137 : 41
All- β : 280
Tritium : 3,000

Note: Cesium 134 designated concentration: 60
Cesium137 designated concentration: 90
Strontium 90 designated concentration: 30
Tritium designated concentration: 60,000

Cesium-134 : ND
Cesium-137 : ND
All- β : ND
Tritium : 0.41

Cesium-134 : ND
Cesium-137 : 1.6
All- β : ND
Tritium : 7.2

Cesium-134 : ND
Cesium-137 : ND
All- β : ND
Tritium : ND

Near the
south water
outlet

North of
Units' 5-6
water outlet

2. Flow of contaminated water into the port

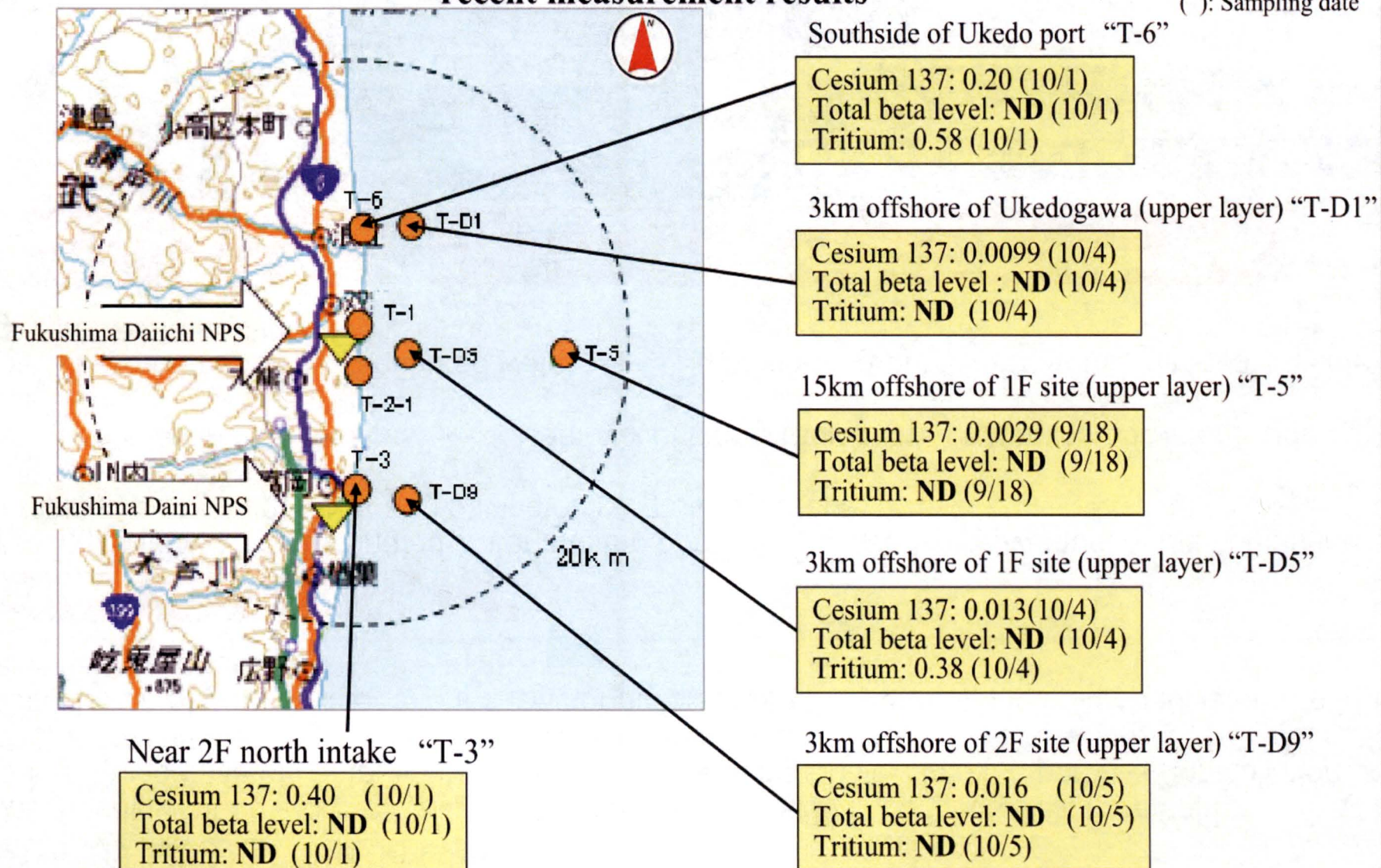
Recent radiation concentration measured inside and outside of the port

19

- Mostly below the detectable limits (ND) at locations 3km (○) / 15km offshore of the NPS and 3km offshore of Ukedogawa

Sea-side monitoring posts around the NPS and most recent measurement results

() : Sampling date



Fundamental Measures (FM)

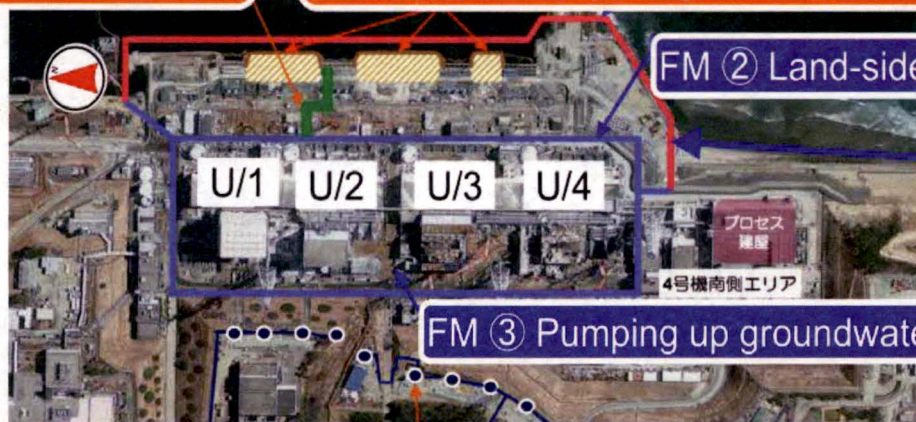
- "Stopping outflow into the ocean" --- ① Installation of a sea-side impervious wall. [Preventing leaks]
- "Suppressing increase of contaminated water and preventing outflow into the port" --- ② Installation of a land-side impervious wall (by soil freezing method). [Keeping away from contamination] [Preventing leaks]
- "Stopping inflow of groundwater into the reactor buildings, etc" --- ③ Pumping up groundwater through sub-drains. [Keeping away from contamination]

Emergency Measures (EM)

- "Preventing outflow of contaminated water into the port" --- ① Ground improvement of the contaminated area, pumping up of groundwater and paving of the ground surface. [Preventing leaks] [Keeping away from contamination]
- "Removing contamination sources" --- ② Removal of highly radioactive contaminated water inside the trenches. [Removing contamination]
- "Suppressing increase of contaminated water" --- ③ Pumping up groundwater from the mountain side of buildings (groundwater bypass). [Keeping away from contamination]

EM ② Removal of highly radioactive contaminated water inside the trench

EM ① Ground improvement of the contaminated area, pumping up of groundwater and paving of the ground surface



FM ② Land-side impervious wall (by soil freezing method)

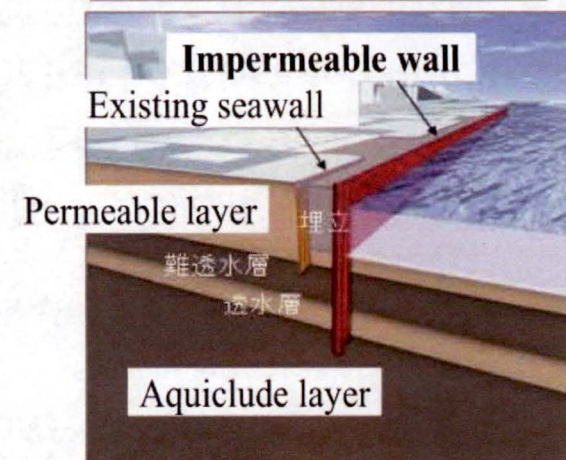
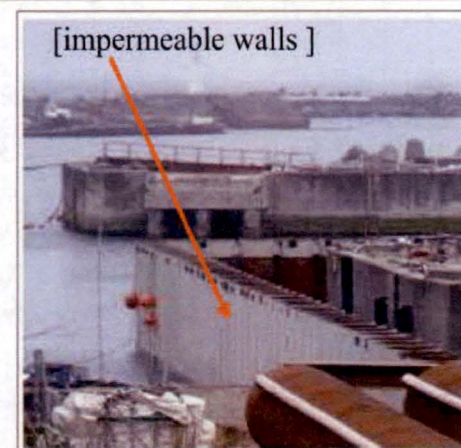
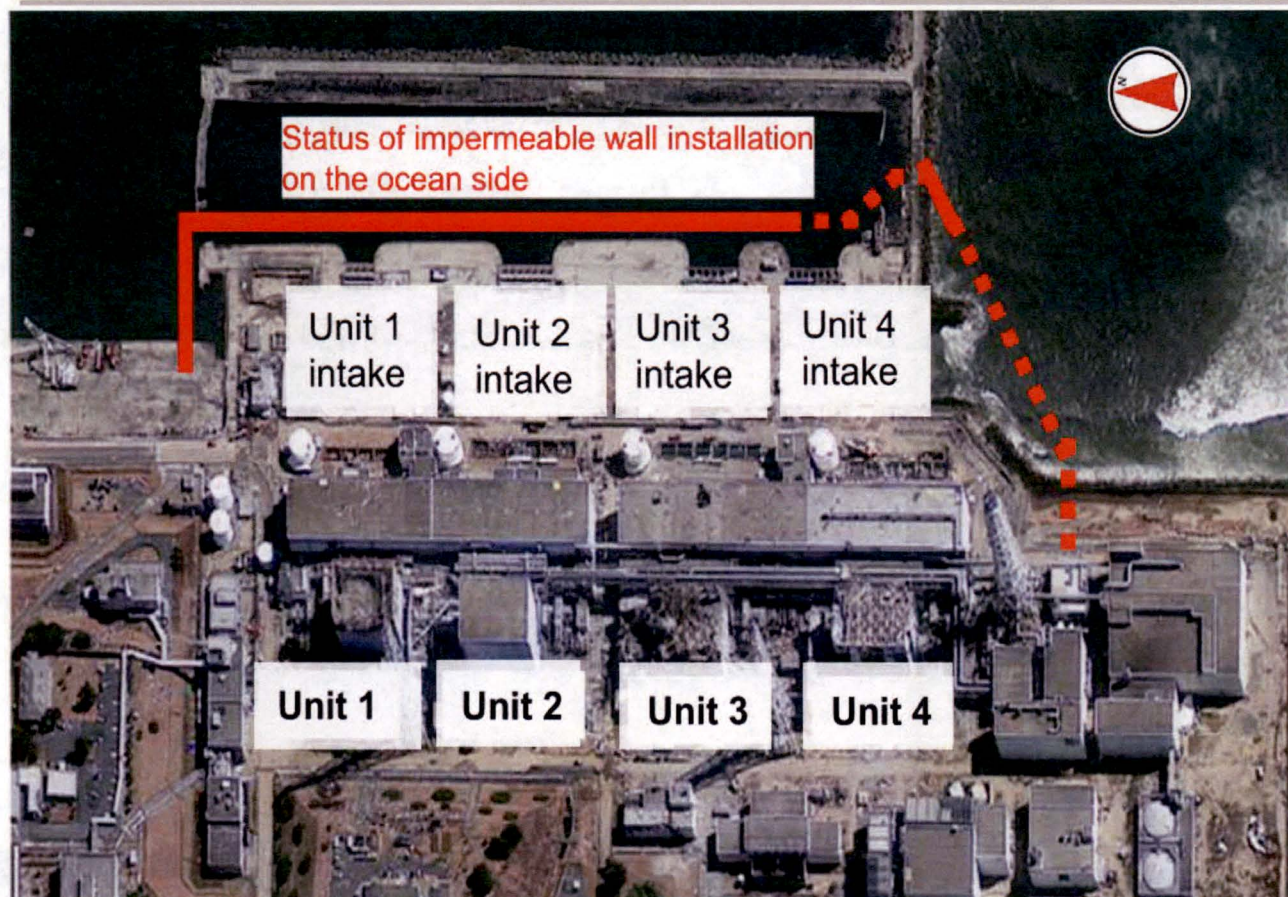
FM ① Sea-side impervious wall

FM ③ Pumping up groundwater through sub-drains

EM ③ Pumping up groundwater from the mountain side of buildings

Measure ① “Stopping outflow into the ocean” --- Installation of a sea-side impervious wall.
[Preventing leaks]

- An impermeable wall is installed on the ocean side to suppress the outflow of groundwater to the seawall.
- The impermeable wall has been installed up to Unit 4's intake channel (see below). It is expected to be completed by September next year.



3. Countermeasures for contaminated water

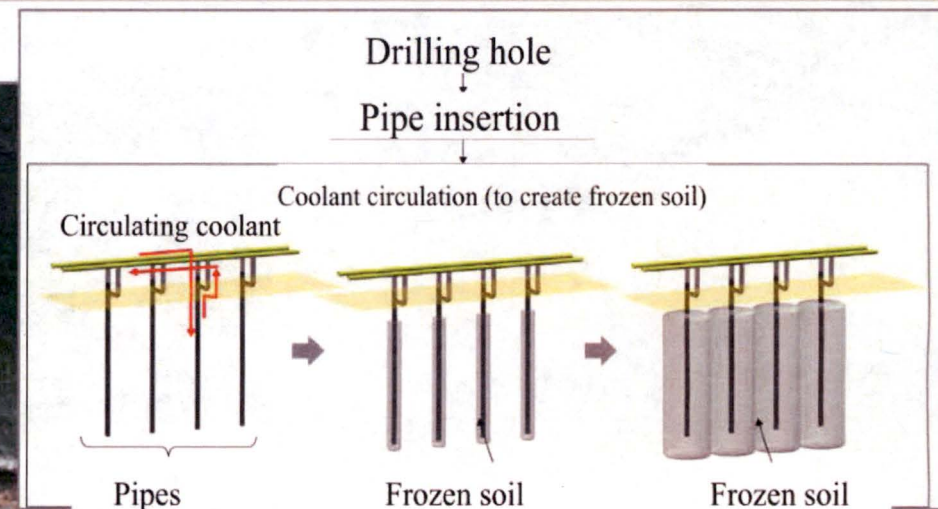
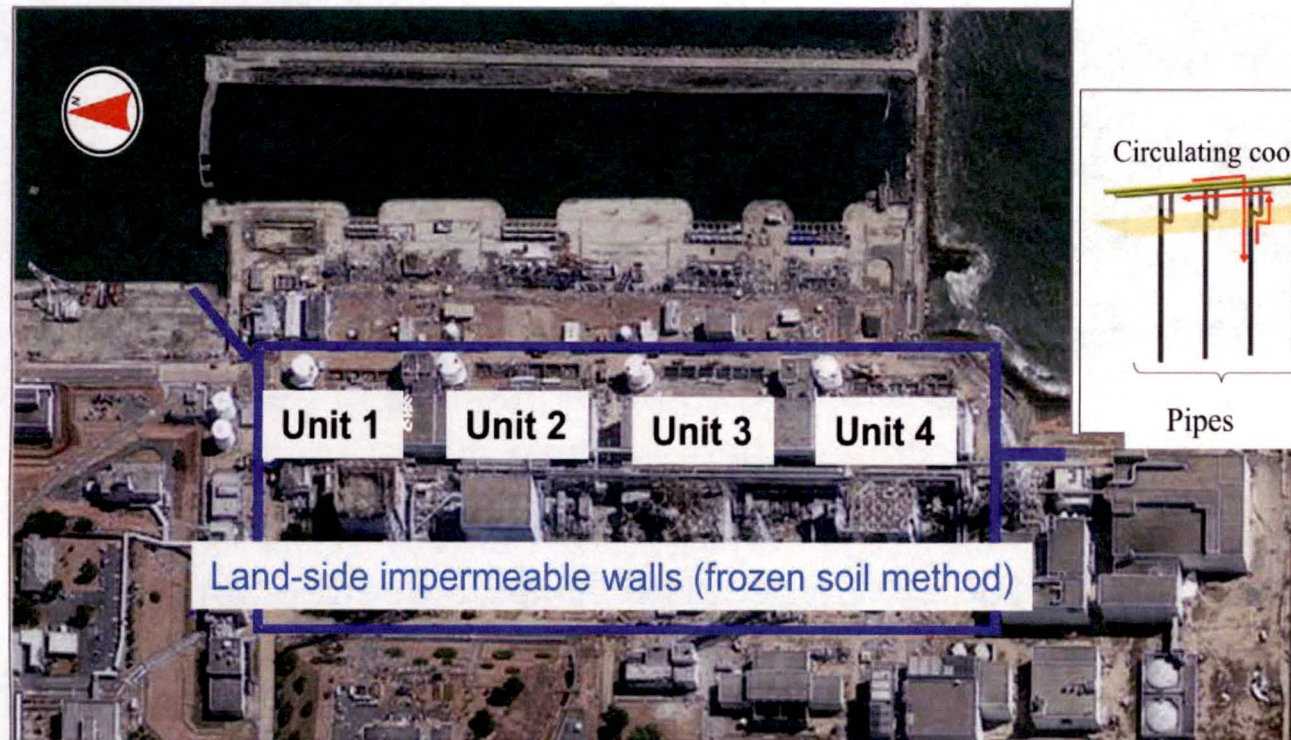
22

Measure ②

“Suppressing increase of contaminated water and preventing outflow into the port” --- Installation of a land-side impervious wall (by soil freezing method).
[Keeping away from contamination] [Preventing leaks]

- Impermeable walls are installed on the mountain side of the NPS buildings to suppress the increase of contaminated water attributable to groundwater inflow.
- Feasibility study is conducted by the end of this fiscal year for the commencement of their use in H1 FY2015.

[Project assisted by the Ministry of Economy, Trade and Industry]



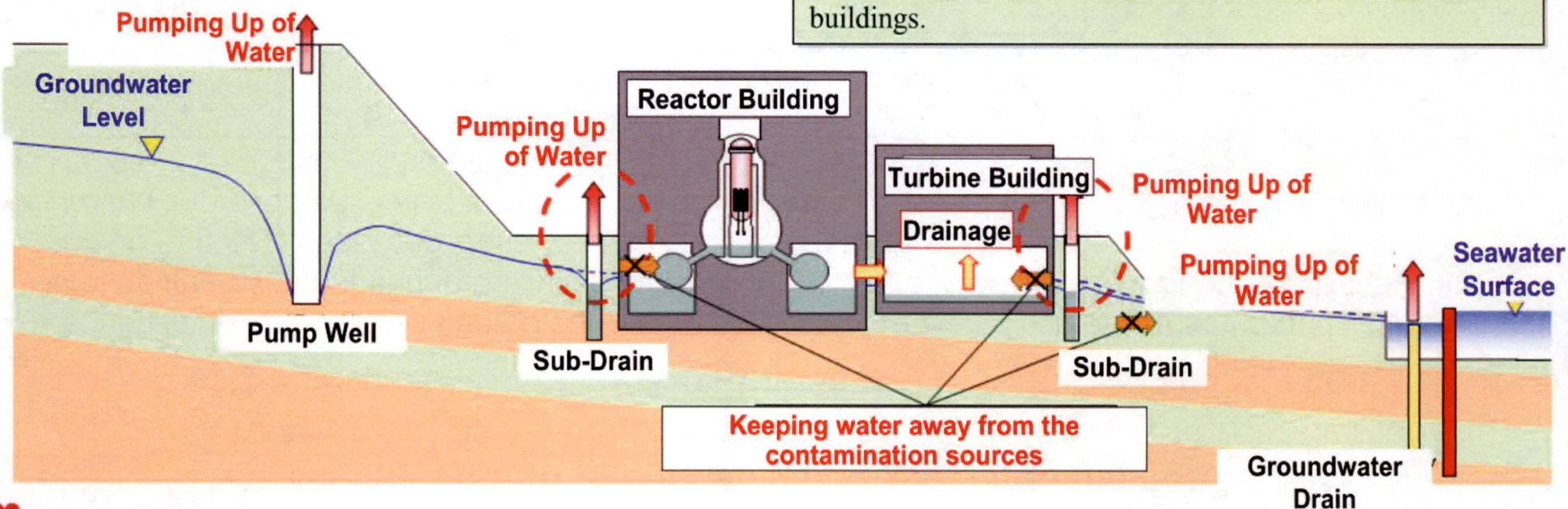
Measure ③

“Stopping inflow of groundwater into the reactor buildings, etc” --- Pumping up groundwater through sub-drains [Keeping away from contamination]

- Inflow of groundwater into the buildings will be suppressed by restoring sub-drains and pumping up groundwater around the buildings through the sub-drains.
- Restoring sub-drains deeper in the mountain side and pumping up groundwater through such sub-drains is more effective in reducing the amount of groundwater that flows into the bank protection area.

◆ Subdrain

Well installed near site buildings. Groundwater in subdrains has been pumped up to prevent it from seeping underneath the buildings or prevent the buildup of buoyancy for the buildings.



3. Countermeasures for contaminated water

24

Measure ① “Preventing outflow of contaminated water into the port”

Ground improvement of the contaminated area, pumping up of groundwater and paving of the ground surface. [Preventing leaks] [Keeping away from contamination]

- Ground improvement was carried out for the purpose of reducing contaminated groundwater outflow. Ground improvement began on July 8 between Units 1 and 2, on August 29 between Units 2 and 3, and on August 23 between Units 3 and 4. Operations are continuing.
- Ground improvement was carried out and groundwater pumped up.
- The ground surface will be paved.

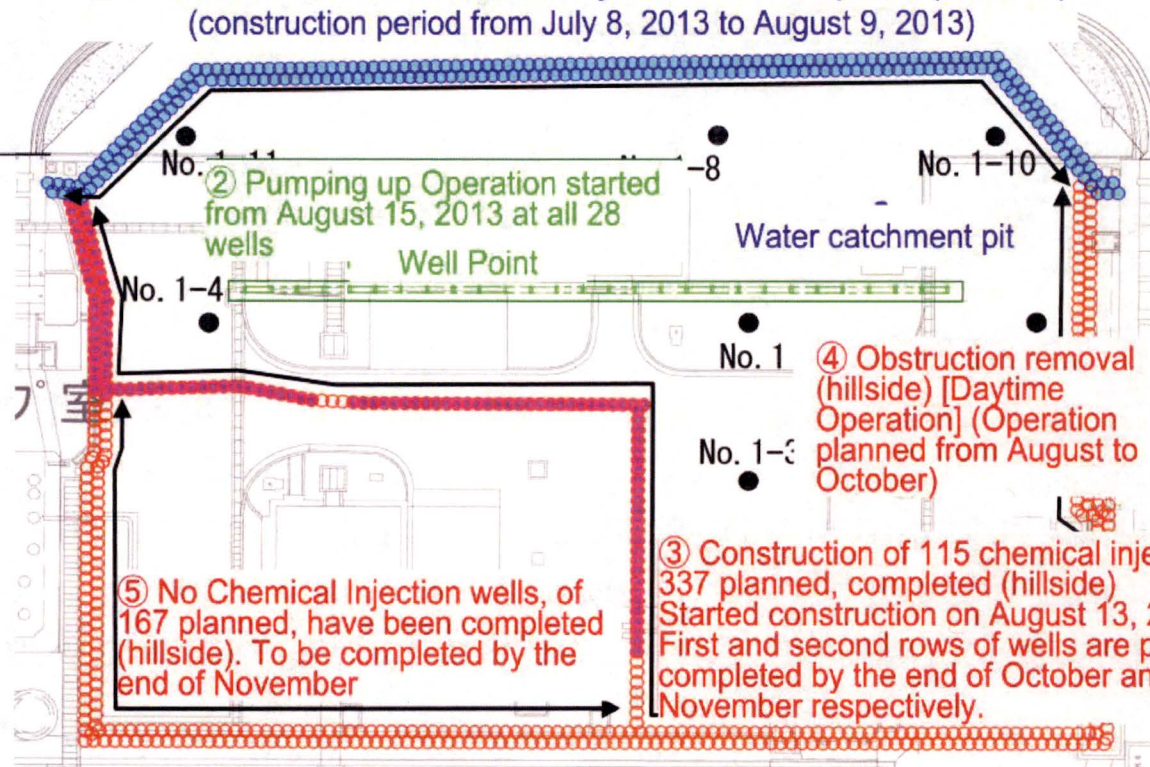
① Construction of all 228 chemical injection wells completed (sea-side)
(construction period from July 8, 2013 to August 9, 2013)

Sea (open ditch)

Sea (open ditch)

Unit 1
Screen Room

Unit 2
Screen Room



Current status of the ground improvement and pumping up of the groundwater between Unit 1 and 2

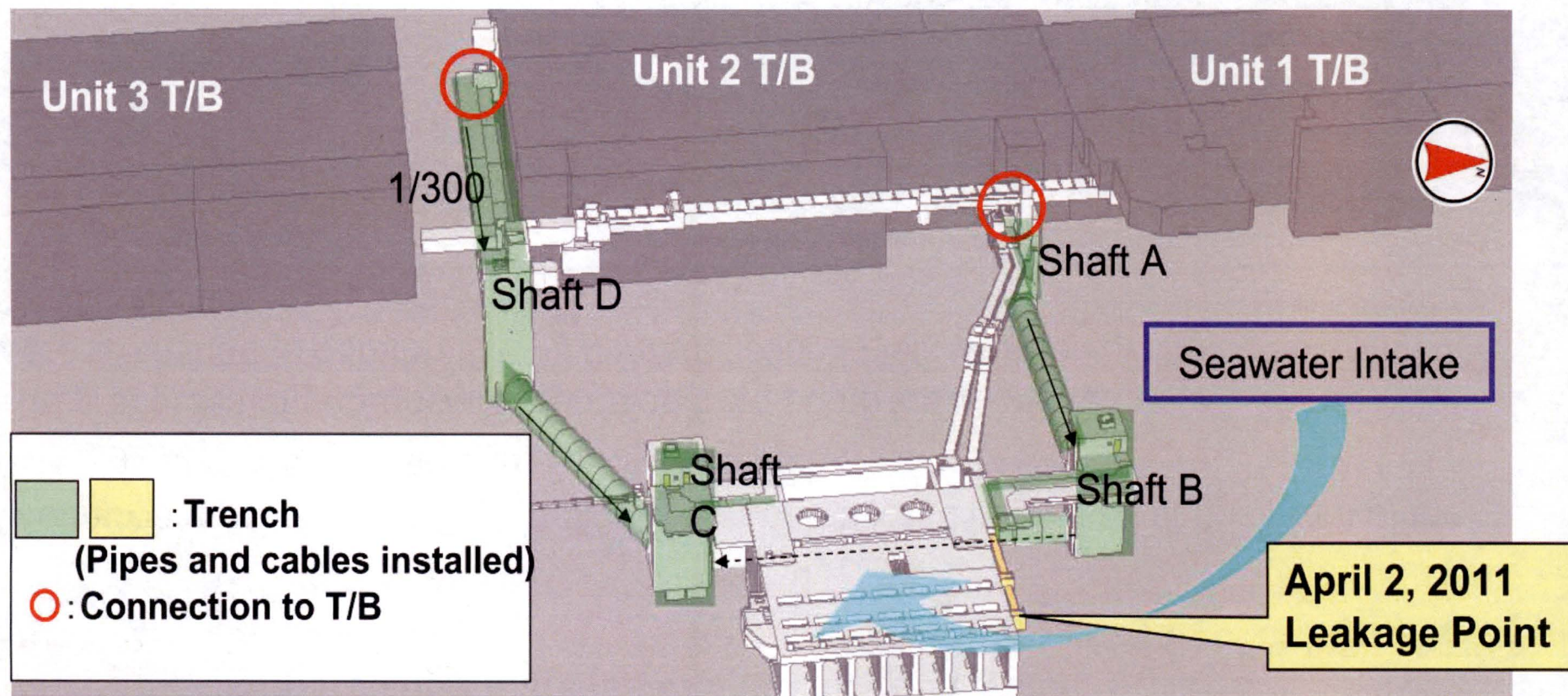
(as of September 25, 2013)

※Area of construction may be changed due to situation of the site

Measure ② “Removing contamination sources” --- Removal of highly radioactive contaminated water inside the trenches

- The contaminated water leaked into the ocean through the trenches.
- The leakage stopped, but contaminated water remains in the trenches.
- Contaminated water inside the trenches will be removed and the trenches will be blocked.

Turbine building (sea side) Underground Construction

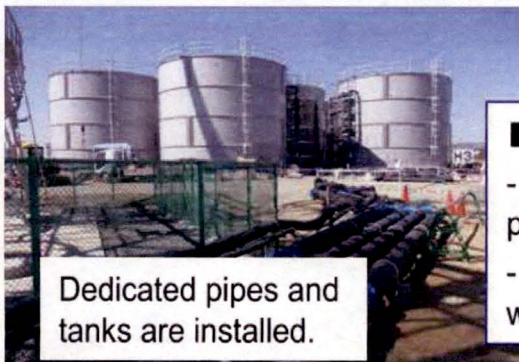
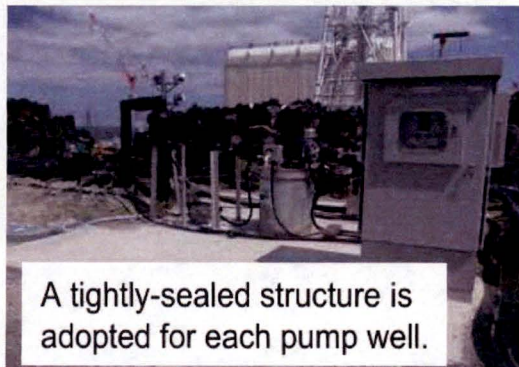


Measure ③

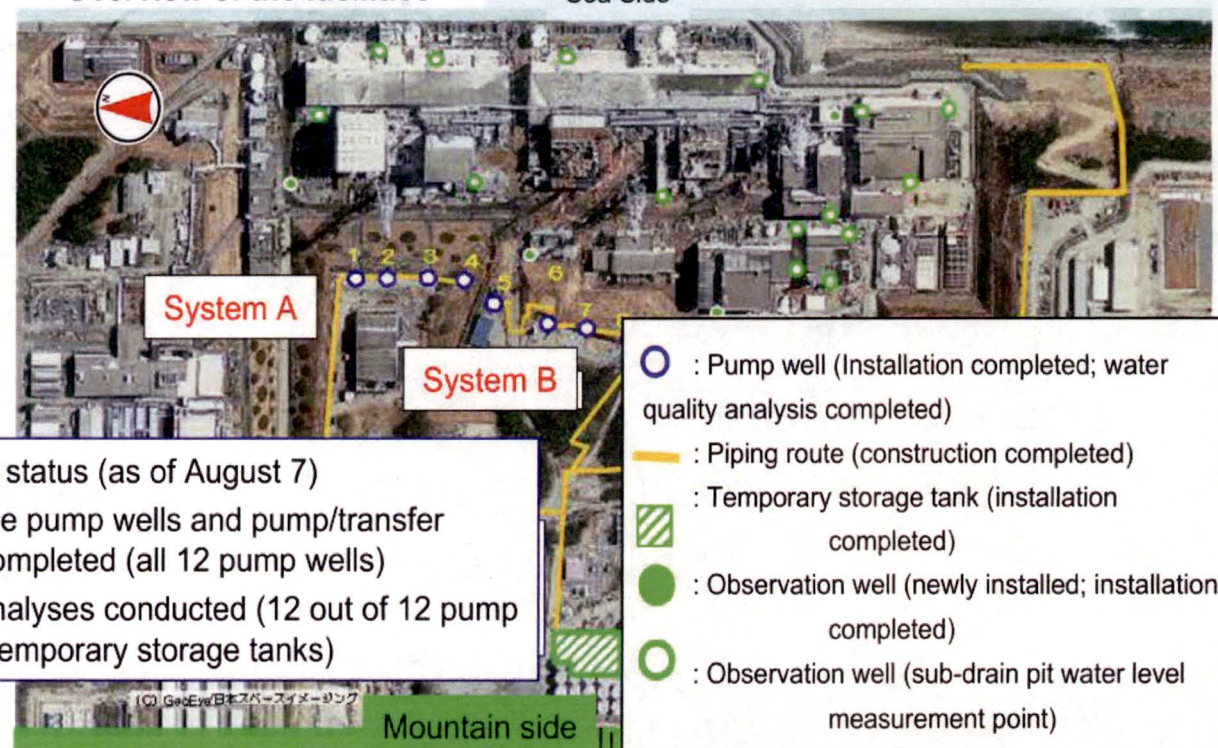
“Suppressing increase of contaminated water” ---

**(3) Pumping up groundwater from the mountain side of buildings
(Groundwater bypass) [Keeping away from contamination]**

- Groundwater from the mountain side is pumped up and bypassed at upstream of the buildings to reduce the amount flowing into them.
- The properties of groundwater sampled from pump wells and temporary storage tanks were examined to confirm that its contamination levels were below detectable limit or sufficiently low.



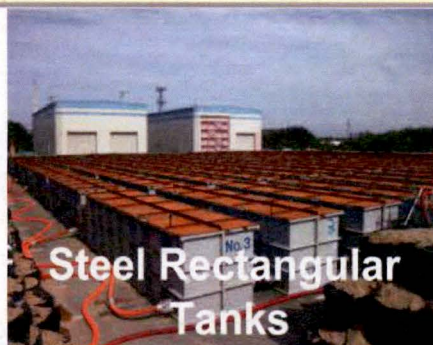
<Overview of the facilities>



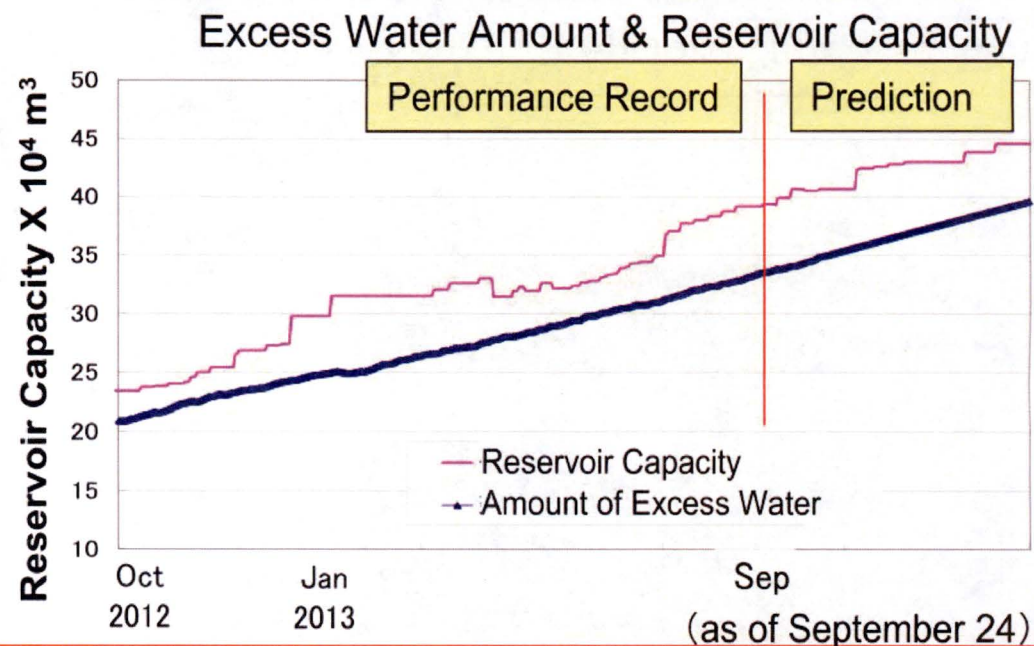
■ Work progress status (as of August 7)

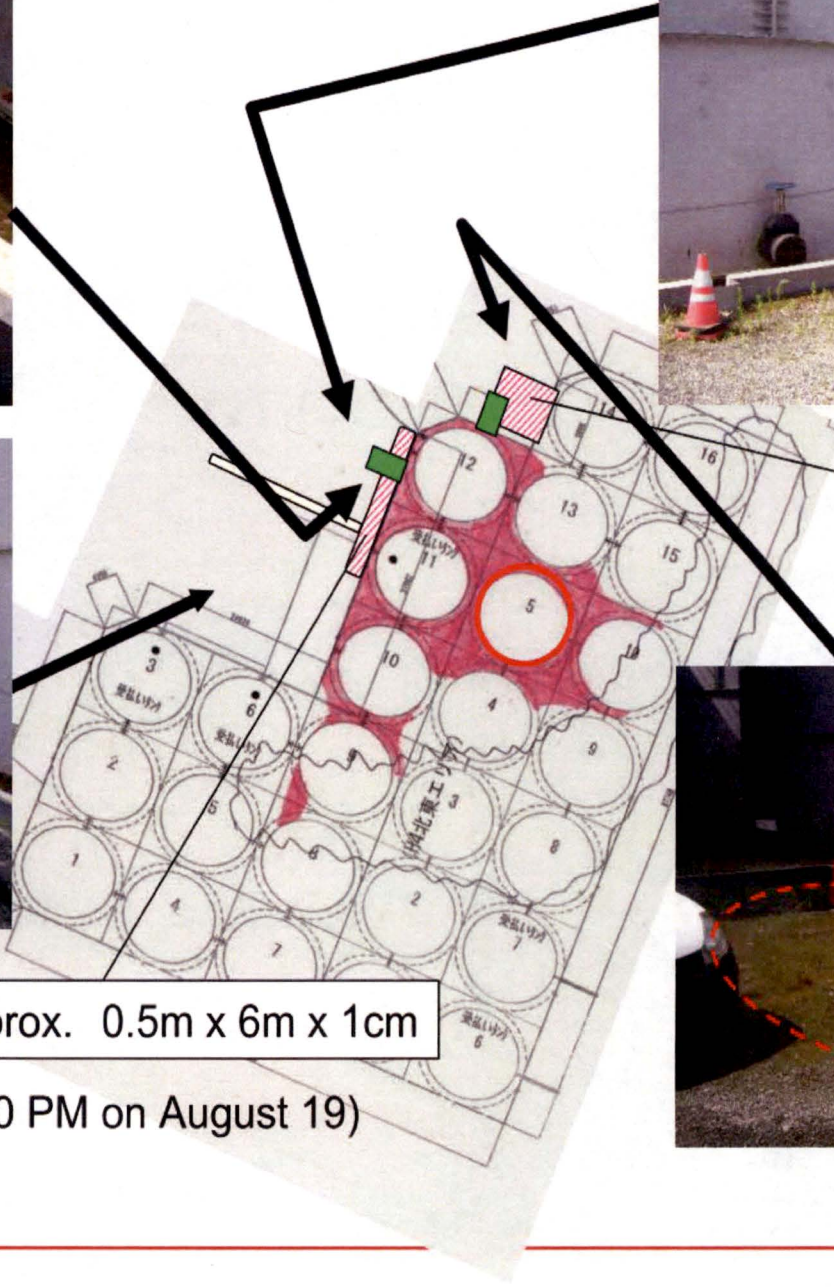
- Installation of the pump wells and pump/transfer piping facilities completed (all 12 pump wells)
- Water quality analyses conducted (12 out of 12 pump wells; 3 out of 9 temporary storage tanks)

- Water Reservoir Capacity: $4.1 \times 10^5 \text{ m}^3$
- Excess Water: $3.5 \times 10^5 \text{ m}^3$
- Capacity Requirement: Predicted to achieve $8.0 \times 10^5 \text{ m}^3$



Steel Transverse-Mounted Tanks





Approx. 3m x 3m x 1cm

Puddle

Trace of Water Flow

Approx. 0.5m x 6m x 1cm



: Puddle Areas (at 4:00 PM on August 19)



: Water Catchment Box

- Increased patrol frequency from twice a day to 4 times a day from September 2 onward. Before the tank leak, the patrol frequency was twice a day.
- Increased the number of patrol personnel to 30 for the day, 6 for the night (total of 96 persons across patrol times/day) from September 2 onward, and further increased to 30 for each patrol (total of 120 persons across patrol times/day) from September 21 onward.
- Introduced comprehensive observation combining “Visual check” and “Dose measurement,” to comprehend and record any sign or occurrence of leakage.
- Water-level indicators will be introduced by this November, and a remote central monitoring system will be initiated.

Fukushima Daiichi NPS H4 area Patrol (September 12, 2013)



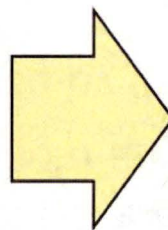
Replacement of Flange-Type Tanks with Welded-Type Tanks

30

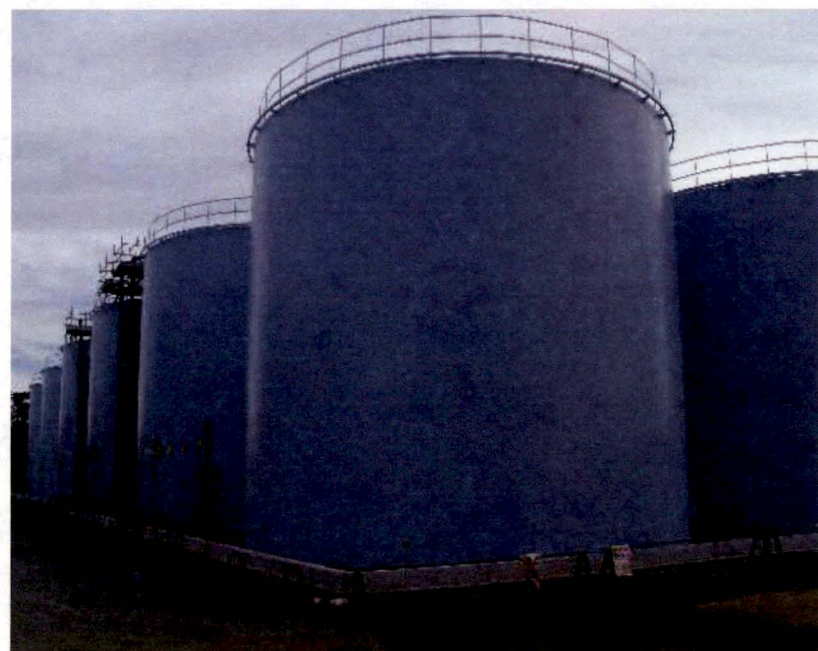
- Accelerate the replacement of flange-type tanks with welded-type tanks.
 - To increase the number of tanks, considering installation of tanks constructed by several companies, in several areas at the same time.
 - Accelerate the increase of welded-type tanks to remove contaminated water from flange-type tanks.



Steel Cylindrical Tank
(Flange-Type)



Replacement

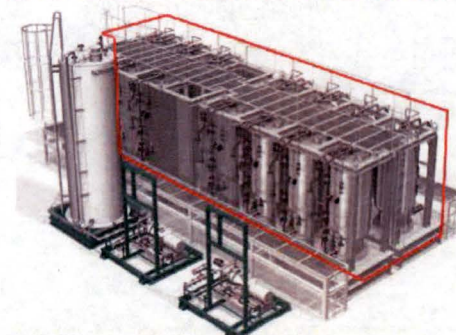


Steel Cylindrical Tank
(Welded-Type)

- To purify (remove all nuclides except Tritium) the highly-concentrated contaminated water promptly, the following measures will be taken:
 - Activate ALPS, which is now under suspension, promptly. (Hot testing began on September 27)
 - Consider the installation of high-performance ALPS this fiscal year. (METI subsidiary enterprise)
 - Addition to the present ALPS.

<Performance comparison of ALPS systems>

- Present ALPS: 250m³/day x 3 systems
- High-performance ALPS: 500m³/day x 1 system
- Additional ALPS: 250m³/day x 3 systems



To suppress the increase of contaminated water due to the inflow of groundwater, the water in the groundwater bypass and around the turbine buildings will be pumped up.

By taking the above measures, processing of the 3.5×10^5 m³ of contaminated water stored in the tanks will be accelerated.

6. Fuel removal from Unit 4

32

- Fuel removal from Unit 4 SFP commenced on November 18, 2013.
- Transferring the fuel to the shared pool enables its storage in a more reliable condition.

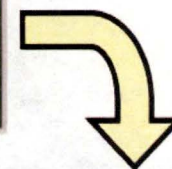
Unit 4 at the accident



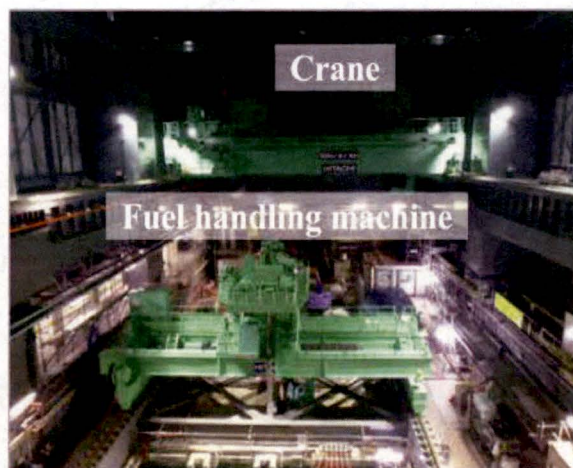
- Fuel removal cover installed (completion certificate for pre-operation inspections received from the Nuclear Regulation Authority on November 12, 2013)
- Crane for lifting fuel-transporting casks (steel containers) installed inside the fuel removal cover
- Large debris inside SFP removed



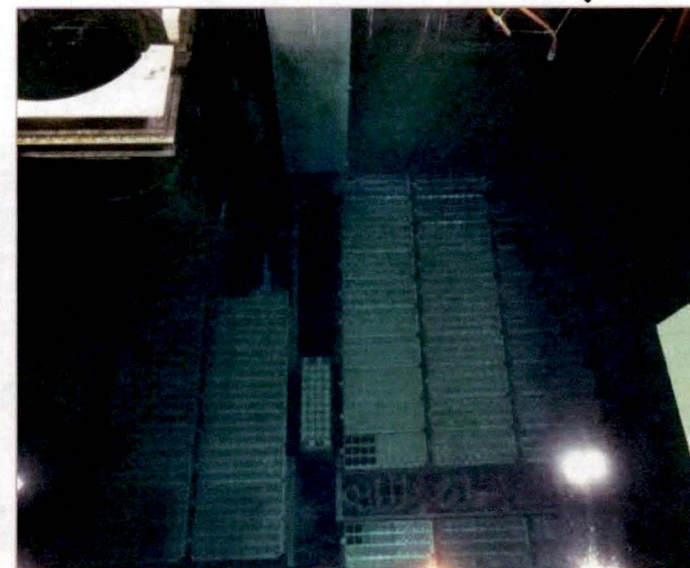
Removal of felled debris
Photographed in late September 2013



Today's Unit 4



Inside the fuel removal cover

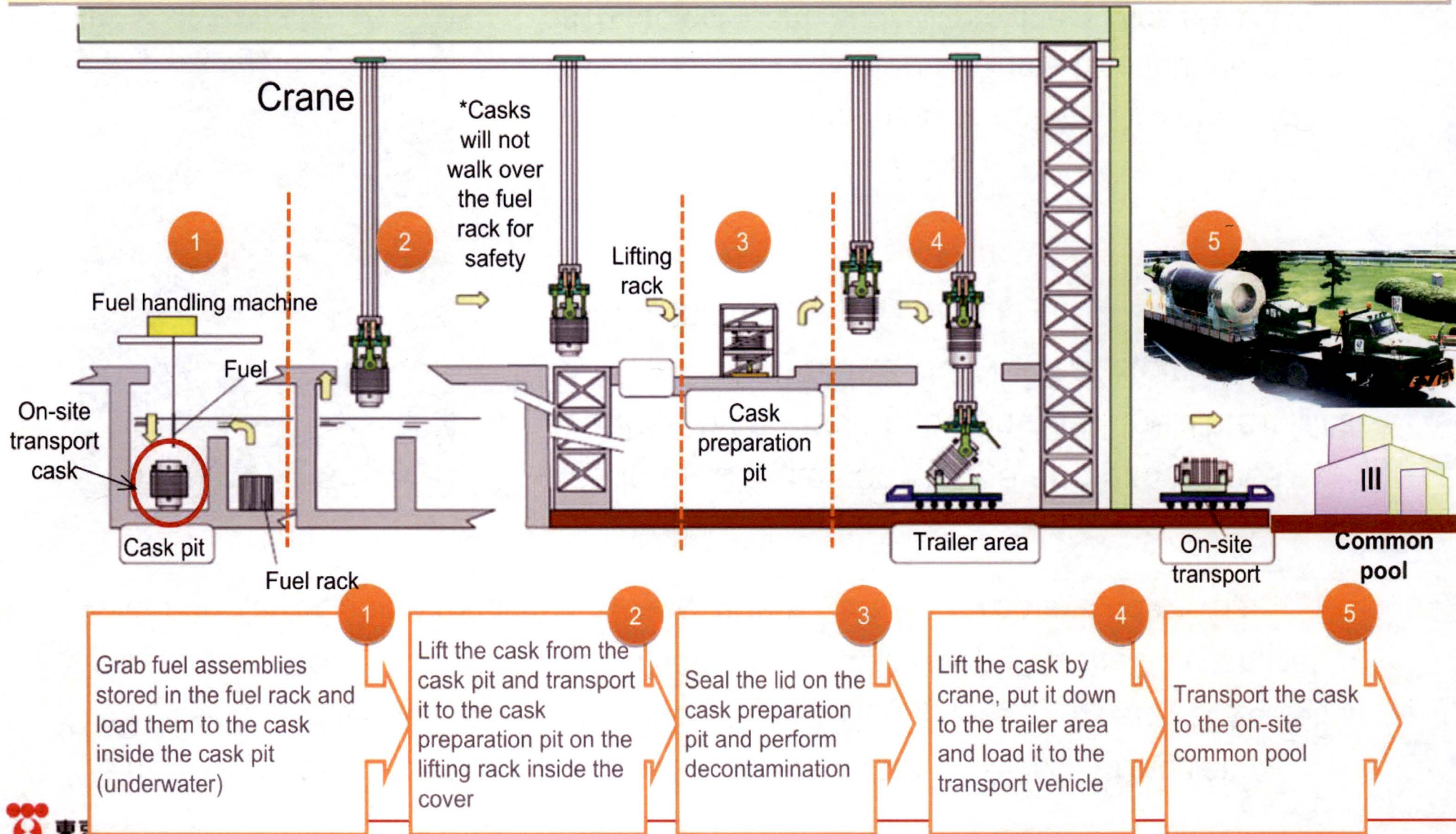


SFP after the removal of felled debris
Photographed on November 5, 2013

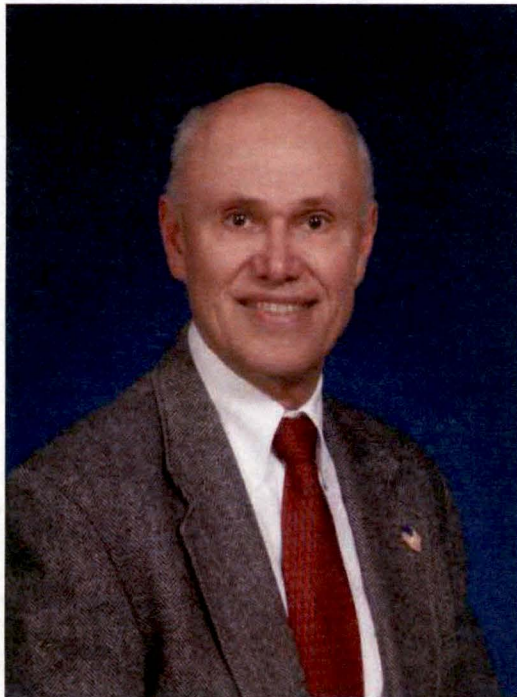
6. Fuel removal from Unit 4

33

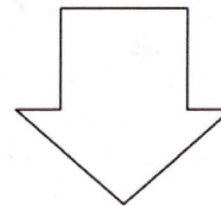
- Using a facility that has the same structure, design and safety level as conventional facilities for fuel handling
- TEPCO has the experience of transferring the cask pit over 1200 times thus far.



- We have determined to invite Mr. Lake H. Barrett (former US Nuclear Regulatory Commission, and former US Department of Energy), an overseas expert well versed in clean-up and decommissioning technology, as an outside expert to the "Contaminated Water and Tank Countermeasures Headquarters." He will guide and advise us.



Has international knowledge and experience, acquired by engaging in control of the Three Mile Island accident at the US Nuclear Regulatory Commission.



Will participate in the meetings of the Contaminated Water and Tank Countermeasures Headquarters and each project team, and will provide advice regarding decommissioning issues, including contaminated water countermeasures.