Annex I of Technical Volume 3 PROVISIONAL ENGLISH TRANSLATION BY THE IAEA OF NOTIFICATION FAXES SENT BY THE FUKUSHIMA DAIICHI NPP SITE SUPERINTENDENT TO OFF-SITE OFFICIALS ON 11 MARCH 2011

This annex contains a provisional English translation of the faxes sent by the Fukushima Daiichi NPP Site Superintendent to METI, the Governor of Fukushima Prefecture and the Mayors of Okuma and Futaba on 11 March 2011.



16:00, March 11, 2011 TEPCO Nuclear Power Plant Site Conference Room No.

No.0042

P.1



Specific Event Report (Nuclear Reactor Facility)

| | <u>h 11, 2011</u> | | | | | | | |
|---|--|---|---|--|--|--|--|--|
| (Issue | |) | | | | | | |
| | Reported To: Minister of Economy, Trade and Industry, Governor of Fukushima Prefecture, Mayor of Okuma, Mayor of | | | | | | | |
| Futaba | | | | | | | | |
| | | | | | | | | |
| Repo | rting under Article 10 | · _ · | Sukushima Daiichi Nuclear Power Plant | | | | | |
| | | Contact Phone: 0240-32-2101 | | | | | | |
| | | | | | | | | |
| | | ele 10 of the Act on Special Measures Concerning | Nuclear Emergency Preparedness, I herein | | | | | |
| | t the occurrence of a s | | | | | | | |
| | e and Address of the | Fukushima Daiichi Nuclear Power Plant, Tokyo I | | | | | | |
| | ear Power Plant | Oaza Fuzawa, Aza Kitahara 22, Okumamachi, Fu | itaba-Gun, Fukushima Prefecture | | | | | |
| | tion of Occurrence | Fukushima Daiichi Nuclear Power Plant Units 1 t | to 5 | | | | | |
| | e Specific Event | | | | | | | |
| | of Occurrence of | 15:42, March 11, 2011 (round the clock display) | | | | | | |
| the S | pecific Event | | | | | | | |
| | | (i) Rise in site-boundary radiation dose rate | (viii) Station blackout | | | | | |
| | | (ii) Release of radioactive materials through the | (ix) Loss of DC power supply (partial | | | | | |
| | | normal release path | loss) | | | | | |
| | Type of the | (iii) Release of radioactive materials due to a | (x) Drop in the reactor water level at | | | | | |
| | | fire, explosion or other hazard | shutdown | | | | | |
| | Specific Event | (iv) Scram failure | (xi) Drop in the fuel pool water level | | | | | |
| | | (v) Leakage of the reactor coolant | (xii) Unavailability of the control room | | | | | |
| | | (vi) Loss of the reactor feedwater | (xiii) Possible out-of-reactor criticality | | | | | |
| | | (vii) Loss of reactor heat removal function | • | | | | | |
| | D 11 0 | Equipment failure, operator error, leakage, fire, o | explosion, earthquake, under investigation, | | | | | |
| | Possible Cause | other () | | | | | | |
| | | Operational status of the reactor | _ | | | | | |
| | | Before the occurrence of the even (in operation) in startup process, in shutdown process, | | | | | | |
| | | in shutdown state) | | | | | | |
| | | After the occurrence of the event (continuing condition, in shutdown process, all rods insertion) | | | | | | |
| | Detected dose | Operational status of the ECCS systems | | | | | | |
| Event | rates, detected | (Demand signal/Yes of No, success, failure of | some systems, failure of all systems) | | | | | |
| Ev | radioactive | Indication of the stack radiation monitor (the nam | | | | | | |
| fic | materials or | No change observed change observed (the reading before the occurrence of the event: | | | | | | |
| eci | conditions of main | being confirmed) | 6 | | | | | |
| \mathbf{Sp} | facilities and | Indication of the monitoring posts: <u>being confirmed</u> | | | | | | |
| the | equipment | | | | | | | |
| \exists equipmentNo change observed, change observed \exists (The reading before the occurrence of the event: nGy/h \rightarrow Max nGy/h, Max. | | | | | | | | |
| materials or conditions of main facilities facilities and equipment Indication of the monitoring posts: being confirmed No change observed, change observed (The reading before the occurrence of the event: nGy/h → Max nGy/h, MP I Other: Due to the tsunami caused by the earthquake, the D/G cooling seawater system submerged and the coolant was lost, causing the generators to trip | | | | | | | | |
| Due to the tsunami <u>caused by the earthquake</u> , the D/G cooling seawater syste | | | | | | | | |
| submerged and the coolant was lost, causing the generators to trip. | | | | | | | | |
| Other | Information that | Units 1 to 5: All D/Gs were not available for use. | | | | | | |
| | s Assess the Specific | Unit 6: Only 6B D/G was in operation. | | | | | | |
| Even | - | | | | | | | |
| | | | - | | | | | |



| 16:59, March 11, 2011 | Nuclear Powe | r Plant Management Dept, TEPCO | No.1560 | P.1/1 |
|----------------------------|----------------------------|---|---------------------------|-------|
| 16:48, March 11, 2011 | To: 915873 From | n Emergency Response Room, 1F | R??17 P01/01 | |
| | Sent to the Head Office | Operation Management GHead Office, other (Fukushima Office, other (| Partly corrected | (i |
| | Sent at 16:45, Marc | ch 11, 2011 | Form | 9-1 |
| orm for reporting when the | he criteria set forth in | Paragraph 1 of Article 15 of the Ac | t on Special Measures Con | cerni |

Concerning For Nuclear Emergency Preparedness are met (Nuclear Reactor Facility)

| Marc | h 11, 2011 | | | | | | | |
|--|---|--|--|--|--|--|--|--|
| (Issue | ed at: |) | | | | | | |
| Repor | Reported To: Minister of Economy, Trade and Industry, Governor of Fukushima Prefecture, Mayor of Okuma, Mayor of Futaba | | | | | | | |
| Repo | Reporting under Article 15 Reported By: Masao Yoshida, Plant Manager, Fukushima Daiichi Nuclear Power Plant Contact Phone: 0240-32-2101 (G) | | | | | | | |
| I here | ain report the detection | n of abnormally high radiation dose rates as set for | - / | | | | | |
| | - | erning Nuclear Emergency Preparedness or the oc | • • | | | | | |
| emer | gency. | | | | | | | |
| | e and Address of the | Fukushima Daiichi Nuclear Power Plant, Tokyo I | 1 | | | | | |
| | ear Power Plant | Oaza Fuzawa, Aza Kitahara 22, Okumamachi, Fu | itaba-Gun, Fukushima Prefecture | | | | | |
| of the | tion of Occurrence e Event Classified as clear Emergency | Fukushima Daiichi Nuclear Power Plant Units 1 | 1 and 2 | | | | | |
| the E | of Occurrence of Event Classified as a ear Emergency | 16:36, March 11, 2011 (round the clock display) | | | | | | |
| the Event Classified as a Nuclear Emergency | Type of the Event Classified as a Nuclear Emergency | (i) Abnormal rise in site-boundary radiation dose rate (ii) Abnormal release of radioactive materials through the normal release path (iii) Abnormal release of radioactive materials due to a fire, explosion or other hazard (iv) Out-of-reactor criticality (v) Loss of the reactor shutdown function (vi) Inability of water injection of the | (vii) Abnormal rise in containment pressure (viii) Loss of pressure suppression function (ix) Loss of reactor cooling function (x) Loss of DC power supply (complete loss) (xi) Core meltdown (xii) Abnormal drop in reactor water level at shutdown (xiii) Unavailability of the control room | | | | | |
| as a | Possible Cause | Emergency Core Cooling System | Under investigation | | | | | |
| ied | 1 USSIDIE Cause | | | | | | | |
| Summary of the Event Classifi | Detected radiation dose rates, detected radioactive materials or conditions of main facilities and equipment | We cannot monitor the reactor water level in Uni whether water is being injected into the reactor co event is subject to Article 15 of the Act on Specia Emergency Preparedness. | ore. Therefore, we have determined that the | | | | | |
| Other Information that Helps Assess the Event | | | | | | | | |

Note: The Attachment is the same as the Attachment to Form 8-1.

P.1/1

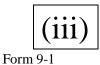
(i)



16: 55, March 11, 2011 To: 915873 From Emergency Response Room, 1F

16:59

17:19



Form for reporting when the criteria set forth in Paragraph 1 of Article 15 of the Act on Special Measures Concerning Nuclear Emergency Preparedness are met (Nuclear Reactor Facility) <u>March 11, 2011</u>

(Issued at _____:

)

Reported To: Minister of Economy, Trade and Industry, Governor of Fukushima Prefecture, Mayor of Okuma, Mayor of Futaba

| Reporting under Article 15 | Reported By: Masao Yoshida, l | Plant Manager, Fukushima Daiichi Nuclear Power Plant |
|----------------------------|-------------------------------|--|
| | Contact Phone: 0240-32-2101 (| (G) |
| | | |

| I herein report the detection of abnormally high radiation dose rates as set forth in Paragraph 1 of Article 15 of the Act |
|--|
| on Special Measures Concerning Nuclear Emergency Preparedness or the occurrence of an event classified as a nuclear |
| emergency. |

| emergency. | | | | | | |
|---|--|---|--|--|--|--|
| | Fukushima Daiichi Nuclear Power Plant, Tokyo Electric Power Company | | | | | |
| | Oaza Fuzawa, Aza Kitahara 22, Okumamachi, Futaba-Gun, Fukushima Prefecture | | | | | |
| e Event Classified as | Fukushima Daiichi Nuclear Power Plant Units 2 | | | | | |
| Event Classified as a | <u>16:45, March 11, 2011</u> (round the clock display) | | | | | |
| Type of the Event Classified as a Nuclear Emergency | (i) Abnormal rise in site-boundary radiation dose rate (ii) Abnormal release of radioactive materials through the normal release path (iii) Abnormal release of radioactive materials due to a fire, explosion or other hazard (iv) Out-of-reactor criticality (v) Loss of the reactor shutdown function (vi) Inability of water injection of the Emergency Core Cooling System | (vii) Abnormal rise in containment pressure (viii) Loss of pressure suppression function (ix) Loss of reactor cooling function (x) Loss of DC power supply (complete loss) (xi) Core meltdown (xii) Abnormal drop in reactor water level at shutdown (xiii) Unavailability of the control room | | | | |
| Possible Cause | Determined | <u>Under investigation</u> | | | | |
| Detected radiation dose rates, detected radioactive materials or conditions of main facilities and equipment | water is being injected by the ESSC into the react that the event in Unit 2 is subject to Article 15 of Nuclear Emergency Preparedness. We can now n | tor core. Therefore, we have determined the Act on Special Measures Concerning nonitor the reactor water level in Unit 1. | | | | |
| | | | | | | |
| | Classified as a Nuclear Emergency Possible Cause Detected radiation dose rates, detected radioactive materials or conditions of main facilities and equipment | ear Power Plant Oaza Fuzawa, Aza Kitahara 22, Okumamachi, Fu tion of Occurrence Fukushima Daiichi Nuclear Power Plant Units 2 clear Emergency Fukushima Daiichi Nuclear Power Plant Units 2 e of Occurrence of 16:45, March 11, 2011(round the clock display) ear Emergency (i) Abnormal rise in site-boundary radiation dose rate rype of the Event (ii) Abnormal release of radioactive materials through the normal release path Classified as a (iii) Abnormal release of radioactive materials due to a fire, explosion or other hazard Nuclear (iv) Out-of-reactor criticality Emergency (v) Loss of the reactor shutdown function (vi) Inability of water injection of the Emergency Core Cooling System Detected radiation Possible Cause Determined Detected radiation dose rates, detected radiation facilities and equipment We cannot monitor the reactor water level in Unit water is being injected by the ESSC into the reactor that the event in Unit 2 is subject to Article 15 of Nuclear Emergency Preparedness. We can now m Therefore, we have determined that the event in Unit facilities and equipment Information that | | | | |

Note: The Attachment is the same as the Attachment to Form 8-1.



17:12, March 11, 2011 To: 913019 From Emergency Response Room, 1F

R: 025

P.01/01



Form 8-1 (1/4)

Form for Reporting an Emergency (after the Second Report) (Nuclear Reactor Facility)

| Note: | Enter information on | items in the form as it is ava | ailable and provide it to the relevant parties. | | | | | | |
|---|--|---|--|--|--|--|--|--|--|
| | <u>h 11, 2011</u> (3 rd Report | | • • • | | | | | | |
| | d at: | | | | | | | | |
| (Artio | (Article $15 - 3^{rd}$ Report) | | | | | | | | |
| Reported To: Minister of Economy, Trade and Industry, Governor of Fukushima Prefecture, Mayor of Okuma, Mayor of Futaba | | | | | | | | | |
| Reported By: Masao Yoshida, Plant Manager, Fukushima Daiichi Nuclear Power Plant | | | | | | | | | |
| | Contact Phone (Nuclear Emergency Preparedness Manager): 0240-32-2101 | | | | | | | | |
| (| G) | | | | | | | | |
| I here | ein provide updates on | the event after the reporting | g under Paragraph 1 of Article 10 of the Act on Special Measures | | | | | | |
| | erning Nuclear Emerg | | | | | | | | |
| | | | Nuclear Power Plant, Tokyo Electric Power Company | | | | | | |
| | e and Address of the | (Nature of Business | | | | | | | |
| Nucle | ear Power Plant | | tahara 22, Okumamachi, Futaba-Gun, Fukushima Prefecture | | | | | | |
| Locat | tion of Occurrence | | | | | | | | |
| | e Specific Event | Fukushima Daiichi Nuclea | r Power Plant Unit I | | | | | | |
| | of Occurrence of | | | | | | | | |
| | pecific Event | 17:07, March 11, 2011(rou | nd the clock display) | | | | | | |
| | Type of the | (vi) Inability of water injec | tion of the Emergency Core Cooling System | | | | | | |
| nt | Specific Event | Classified as nuclear emerg | | | | | | | |
| Eve | Possible Cause | | Under investigation | | | | | | |
| Summary of the Specific Event | Detected radiation | | | | | | | | |
| cif | dose rates, | Again, we cannot monitor the reactor water level in Units 1 and have no information on | | | | | | | |
| Spe | detected | whether water is being injected into the reactor core. Therefore, we have determined that the | | | | | | | |
| he | radioactive | | 5 of the Act on Special Measures Concerning Nuclear | | | | | | |
| of t | materials or | Emergency Preparedness. | | | | | | | |
| ry e | conditions of main | Emergency rreparedness. | | | | | | | |
| ma | facilities and | | | | | | | | |
| mn | equipment | | | | | | | | |
| Ś | equipment | | | | | | | | |
| | | | Radiation exposure | | | | | | |
| | | Radiation exposure and | | | | | | | |
| | | spreading of | ☐ Yes: Exposed workers, Workers requiring medical | | | | | | |
| | | contamination | attention | | | | | | |
| | | (Checked at) | Spreading of contamination | | | | | | |
| | | | | | | | | | |
| Other | r Information that | | Ves: being investigated | | | | | | |
| | s Assess the Specific | | - Weather: being investigated | | | | | | |
| Event | | Weather information | - Wind direction: azimuth | | | | | | |
| | | (Checked at) | - Wind speed:m/s | | | | | | |
| | | T (1 | - Atmospheric stability: | | | | | | |
| | | Impact on the | | | | | | | |
| | | surrounding environment | Yes: <u>being investigated</u> | | | | | | |
| | | F | | | | | | | |
| | | Emergency measures | | | | | | | |
| | | | | | | | | | |



17:37, April 8, 2011 913019 Assistant to Branch Office Manager, Ogikubo Branch Office

From Emergency Response Room, 1F No.: 7736

P.6 01/01

V

Form 8-1 (1/4)

Form for Reporting an Emergency (after the Second Report) (Nuclear Reactor Facility)

| March 11, 2011 (Report) Issued at: (Article 15 - 4 th Report) Reported To: Minister of Economy, Trade and Industry, Governor of Fukushima Prefecture, Mayor of Oku | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|
| | | | | | | | | | |
| | Issued at: | | | | | | | | |
| Reported To: Minister of Economy, Trade and Industry, Governor of Fukushima Prefecture, Mayor of Oku | | | | | | | | | |
| | | | | | | | | | |
| Reported By: Masao Yoshida, Plant Manager, Fukushima Daiichi Nuclear Power Plant | | | | | | | | | |
| Contact Phone (Nuclear Emergency Preparedness Manager): 0240-32-2101 | | | | | | | | | |
| (\underline{G}) I herein provide updates on the event after the reporting under Paragraph 1 of Article 10 of the Act on Special Measures | | | | | | | | | |
| Concerning Nuclear Emergency Preparedness. | on special measures | | | | | | | | |
| Name: Fukushima Dajichi Nuclear Power Plant, Tokyo Electric Power | Company | | | | | | | | |
| Name and Address of the (Nature of Business: Electric utility) | Company | | | | | | | | |
| Nuclear Power Plant Address: Oaza Fuzawa, Aza Kitahara 22, Okumamachi, Futaba-Gun, F | ukushima Prefecture | | | | | | | | |
| Location of Occurrence | | | | | | | | | |
| of the Specific Event Fukushima Daiichi Nuclear Power Plant Unit- All Units | | | | | | | | | |
| Time of Occurrence of 16:36 | | | | | | | | | |
| the Specific Event 19:30, March 11, 2011(round the clock display) | | | | | | | | | |
| Type of the | | | | | | | | | |
| \Box | Classified as nuclear emergency (\square Yes, \square No) | | | | | | | | |
| | vestigation | | | | | | | | |
| Possible Cause Determined Under in | vestigation | | | | | | | | |
| Detected radiation | with mobile | | | | | | | | |
| dose rates, We have checked the surrounding area of the plant for contamination we monitoring posts. The radiation levels are within normal levels. At the | | | | | | | | | |
| detected monitoring posts. The radiation levels are within normal levels. At the impact on the surrounding environment. | monitoring posts. The radiation levels are within normal levels. At the moment, there is no | | | | | | | | |
| Impact on the surrounding environment. Impact on the surrounding environment. | | | | | | | | | |
| conditions of main | | | | | | | | | |
| facilities and | | | | | | | | | |
| equipment | | | | | | | | | |
| Radiation exposure | | | | | | | | | |
| | | | | | | | | | |
| Radiation exposure and Vest Exposed workers Workers | requiring medical | | | | | | | | |
| spreading of attention | redenning meanen | | | | | | | | |
| contamination Spreading of contamination | | | | | | | | | |
| (Checked at) \square No | | | | | | | | | |
| \Box Yes: | | | | | | | | | |
| Other Information that - Weather: | | | | | | | | | |
| Helps Assess the Specific Weather information - Wind direction: azimuth | | | | | | | | | |
| Event (Checked at) - Wind speed:/s | | | | | | | | | |
| -Atmospheric stability: | | | | | | | | | |
| Impact on the No | | | | | | | | | |
| surrounding environment <u>Y</u> es: | | | | | | | | | |
| | | | | | | | | | |
| Emergency measures | | | | | | | | | |
| | | | | | | | | | |

21:01, March 11, 20110240326104FAX > FAX01Nuclear Emergency Preparedness Division of NISA, METI21:02, March 11, 2011 To: Article 10*3From Emergency Response Room, Fukushima Daiichi Nuclear Power Plant, TEPCOR: 856

01P/07P

P.01 (Vi)

Form 8-1 (1/4)

Form for Reporting an Emergency (after the Second Report) (Nuclear Reactor Facility)

Note: Enter information on items in the form as it is available and provide it to the relevant parties. March 11, 2011 (___Report) Issued at _____:_ (Article $15 - 5^{\text{th}} \text{Report}$) Reported To: Minister of Economy, Trade and Industry, Governor of Fukushima Prefecture, Mayor of Okuma, Mayor of Futaba Reported By: Masao Yoshida, Plant Manager, Fukushima Daiichi Nuclear Power Plant Contact Phone (Nuclear Emergency Preparedness Manager): 0240-32-2101 G) I herein provide updates on the event after the reporting under Paragraph 1 of Article 10 of the Act on Special Measures Concerning Nuclear Emergency Preparedness. Name: Fukushima Daiichi Nuclear Power Plant, Tokyo Electric Power Company Name and Address of the (Nature of Business: Electric utility) Nuclear Power Plant Address: Oaza Fuzawa, Aza Kitahara 22, Okumamachi, Futaba-Gun, Fukushima Prefecture Location of Occurrence Fukushima Daiichi Nuclear Power Plant Unit of the Specific Event Time of Occurrence of : , March 11, 2011 (round the clock display) the Specific Event Type of the Summary of the Specific Event \Box No) Specific Event Classified as nuclear emergency $(\Box Yes,$ Possible Cause Determined Under investigation Detected radiation dose We have no information on the reactor water level and cannot check whether water is being rates. detected injected by the RCIC system into the reactor in Unit 2. The reactor water level may reach radioactive TAF (the top of active fuel). We are preparing to request the local governments to evacuate materials or residents. conditions of main facilities and equipment Radiation exposure Unknown □No Radiation exposure and Workers requiring medical \Box Yes: Exposed workers , spreading of attention contamination Spreading of contamination (Checked at □No □Yes: Other Information that - Weather: Helps Assess the Specific **Unknown** Weather information - Wind direction: azimuth Event (Checked at : - Wind speed: m/s See the Attachment. Atmospheric stability: (⊠No) Impact the on surrounding environment 🗋 Yes: Unknown **Emergency** measures

21:01, March 11, 2011 0240326104 FAX > FAX 02P/07P 21:02, March 11, 2011 To: Article 10*3 From Emergency Response Room, Fukushima Daiichi Nuclear Power Plant, TEPCO R: 856 P.02

Fukushima Daiichi Nuclear Power Plant: Plant Parameters

As of 20:30

| Unit | 1U | 2U | 3U | 4U | 5U | 6U |
|--|---|--|---|---|---|----|
| Water injection the loss of power supply | | RCIC in operation | Not in operation | Not in operation | Not in operation | |
| Reactor pressure | Unknown (cannot be checked after 20:15: PHS not available) | Unknown (cannot be checked after 20:15: PHS not available) | 7 1 MPa | | | - |
| Reactor water Unknown level Due to the loss of instrumentation power Unknown | | | +600 mm (wide) | - | - | - |
| D/W pressure | Unknown | Unknown | 145kPaabs | - | - | - |
| Dew point temperature | - Unknown Unknown | | Unknown | - | - | - |
| Power supply1A trip 1B trip2A trip 2B trip | | 3A trip 3B trip | 4A/B not available | 5A/5B trip | 6B in operation 6A not available HPCS not available | |
| Release of radioactive materials to the environment | | loss of power supply to monitoring posts ecked for radioactive materials using a monitoring ver | hicle. The radiation h | evels are within nor | nal levels. | |
| Other informationprovide Main Control Room lightsM/C submerged Waiting for connection to a power supply vehicle, with priority to Unit 2 (the power supply vehicle isI | | Preparing to provide Main Control Room lights M/C submerged | Preparing to provide Main Control Room lights M/C submerged | Preparing to provide Main Control Room lights M/C submerged | Preparing to provide Main Control Room lights M/C submerged | |

SPA: First Operation Management Department Assessment G

 21:01, March 11, 2011
 0240326104
 FAX > FAX
 03P/07P

 21:02, March 11, 2011 To: Article 10*3
 From Emergency Response Room, Fukushima Daiichi Nuclear Power Plant, TEPCO
 R: 856
 P.03

(i)

NM-51-13 Nuclear Disaster Management Manual _____, 2010 (08)

[Attachment 2: Data on Radioactive Materials and Radiation]

3. Results of radiation monitoring

Note 1: Enter necessary information in the form as it is available. Use a separate sheet if more space is needed. Note 2: Attach a document showing the monitoring locations.

| Toto 2. Thubh a document showing the monitoring focutions. | | | | | | | |
|--|---------------|-----------|-------------------|--|--|--|--|
| Item | Date and Time | of Evalua | tion (<u>;</u>) | | | | |
| Stack monitor | | | | | | | |
| Containment stack monitor | Stack name: | : | cps | | | | |
| Auxiliary building stack monitor | Stack name: | : | cps | | | | |

Stationary monitoring equipment location

| | Location name | MP-1 | MP-2 | MP-3 | MP-4 | MP-5 | MP-6 | MP-7 | |
|-------------|------------------|------------|------------|------------|------------|------------|------------|------------|--|
| γ-ray | : (hour, minute) | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h | |
| air dose | : (hour, minute) | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h | |
| | : (hour, minute) | μ Sv/h | |
| rate | | | | | | | | | |

| Mobile monitoring equ | uipment location |
|-----------------------|------------------|
|-----------------------|------------------|

| Mobile monitoring eq | upment location | - | | | |
|-------------------------|--------------------|--------------------|-------------------------|--------------------|--------------------|
| | Equipment location | Main gate | Administration building | | |
| | 17:30 | 49 µ Sv/h | - µ Sv/h | μ Sv/h | μ Sv/h |
| γ-ray air dose rate | 17:40 | 56 µ Sv/h | - µ Sv/h | μ Sv/h | μ Sv/h |
| | 17:50 | -μSv/h | 64 μ Sv/h | µ Sv/h | μ Sv/h |
| | | | | | |
| | Equipment location | | | | |
| | (hour, minute) | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h |
| Neutron air dose rate | (hour, minute) | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h |
| | : (hour, minute) | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h |
| | | | | | |
| | Equipment location | | | | |
| | : (hour, minute) | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ |
| Iodine concentration | : (hour, minute) | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ |
| | : (hour, minute) | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ |
| Other measurement items | Equipment location | | | | |
| | : (hour, minute) | | | | |
| | : (hour, minute) | | | | |
| Е | (hour, minute) | | | | |
| ltem | | | | | |

Note: Enter information on the above items in the form as it is available and provide it to the relevant parties. Note: Approximate values (including estimated values) can be entered.

General: The information provided must be treated with special care and is accessible only to those involved. Nuclear Power Plant Management Dept.

Unit: nGy/h

21:01, March 11, 2011 0240326104 FAX > FAX 04P/07P

21:03, March 11, 2011 To: Article 10*3

From Emergency Response Room, Fukushima Daiichi Nuclear Power Plant, TEPCO R: 856 P.04

(ii)

NM-51-13 Nuclear Disaster Management Manual _____, 2010 (08)

[Attachment 2: Data on Radioactive Materials and Radiation]

3. Results of radiation monitoring

Note 1: Enter necessary information in the form as it is available. Use a separate sheet if more space is needed. Note 2: Attach a document showing the monitoring locations.

| Item | Date and Time of Evaluation () | | | | | |
|----------------------------------|--------------------------------|---|-----|--|--|--|
| Stack monitor | | | | | | |
| Containment stack monitor | Stack name: | : | cps | | | |
| Auxiliary building stack monitor | Stack name: | : | cps | | | |

Stationary monitoring equipment location

| | Location name | MP-1 | MP-2 | MP-3 | MP-4 | MP-5 | MP-6 | MP-7 | |
|--------------|------------------|------------|------------|------------|------------|------------|------------|--------|--|
| γ-ray air | : (hour, minute) | μ Sv/h | μ Sv/h | |
| dose | : (hour, minute) | μ Sv/h | μ Sv/h | |
| rate | : (hour, minute) | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h | |
| Tale | | | | | | | | | |

```
Unit: nGy/h
```

| Mobi | le monitoring equ | uipment location | | | | |
|----------------|-------------------|--------------------|--------------------------------------|----------------------|----------------------|--------------------|
| | | Equipment location | Near MP-6 | Near MP-7 | Near MP-5 | |
| | | 18:45 | 56 μ Sv/h | - μ-Sv/h | - μ Sv/h | μ Sv/h |
| γ-ray | air dose rate | 19:00 | - μ Sv/h | 57 μ Sv/h | - μ Sv/h | μ Sv/h |
| | | 19:10 | - μ Sv/h | - μ-Sv/h | 55 μ Sv/h | μ Sv/h |
| | | | | | | |
| | | Equipment location | | | | |
| | | (hour, minute) | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h |
| Neut | ron air dose rate | (hour, minute) | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h |
| | | (hour, minute) | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h |
| | | | | | | |
| | | Equipment location | | | | |
| | | : (hour, minute) | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ |
| Iodin | e concentration | (hour, minute) | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ |
| | | : (hour, minute) | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ |
| | | | | | | |
| Other items | | Equipment location | Gymnasium | | | |
| | Dust | 17:25 | $1.1 \times 10^{-6} \text{ Bq/cm}^3$ | | | |
| | concentration | 11.20 | | | | |
| | | (hour, minute) | | | | |
| В | | (hour, minute) | | | | |
| Item | | | | | | |

Note: Enter information on the above items in the form as it is available and provide it to the relevant parties.

Note: Approximate values (including estimated values) can be entered.

General: The information provided must be treated with special care and is accessible only to those involved. Nuclear Power Plant Management Dept.

21:01, March 11, 2011 0240326104 FAX > FAX 05P/07P

21:03, March 11, 2011 To: Article 10*3

From Emergency Response Room, Fukushima Daiichi Nuclear Power Plant, TEPCO R: 856 P.05

(iii)

NM-51-13 Nuclear Disaster Management Manual _____, 2010 (08)

[Attachment 2: Data on Radioactive Materials and Radiation]

3. Results of radiation monitoring

Note 1: Enter necessary information in the form as it is available. Use a separate sheet if more space is needed. Note 2: Attach a document showing the monitoring locations.

| Item | Date and Time of | Date and Time of Evaluation () | | | | | | |
|----------------------------------|------------------|--------------------------------|-----|--|--|--|--|--|
| Stack monitor | | | | | | | | |
| Containment stack monitor | Stack name: | : | cps | | | | | |
| Auxiliary building stack monitor | Stack name: | • | cps | | | | | |

Stationary monitoring equipment location

| | Location name | MP-1 | MP-2 | MP-3 | MP-4 | MP-5 | MP-6 | MP-7 | |
|-------------|------------------|------------|------------|------------|------------|------------|------------|--------|--|
| γ-ray | (hour, minute) | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h | |
| air dose | (hour, minute) | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h | |
| rate | : (hour, minute) | μ Sv/h | μ Sv/h | |
| Tate | | | | | | | | | |

| Mobile monitoring eq | uipment location | | | | |
|-------------------------|--------------------|----------------------|----------------------|----------------------|--------------------|
| | Equipment location | MP-4 | MP-3 | MP-6 | |
| | 19:15 | 59 μ Sv/h | - μ Sv/h | - μ Sv/h | μ Sv/h |
| γ-ray air dose rate | 19:20 | - μ Sv/h | 59 μ Sv/h | - μ Sv/h | μ Sv/h |
| | 19:52 | - µ Sv/h | - μ Sv/h | 57 μ Sv/h | μ Sv/h |
| | Equipment location | | | | |
| | (hour, minute) | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h |
| Neutron air dose rate | (hour, minute) | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h |
| | : (hour, minute) | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h |
| | Equipment location | 2 | | 2 | 2 |
| | (hour, minute) | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ |
| Iodine concentration | : (hour, minute) | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ |
| | : (hour, minute) | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ |
| Other measurement items | Equipment location | | | | |
| | (hour, minute) | | | | |
| | : (hour, minute) | | | | |
| 8 | (hour, minute) | | | | |
| Item | | | | | |

Note: Enter information on the above items in the form as it is available and provide it to the relevant parties. Note: Approximate values (including estimated values) can be entered.

General: The information provided must be treated with special care and is accessible only to those involved. Nuclear Power Plant Management Dept.

Unit: nGy/h

 21:01, March 11, 2011
 0240326104
 FAX > FAX
 06P/07P

 21:03, March 11, 2011 To:
 Article 10*3 From Emergency Response Room, Fukushima Daiichi Nuclear Power

 Plant, TEPCO
 R: 856
 P.06

(iv)

NM-51-13 Nuclear Disaster Management Manual _____, 2010 (08)

[Attachment 2: Data on Radioactive Materials and Radiation]

3. Results of radiation monitoring

Note 1: Enter necessary information in the form as it is available. Use a separate sheet if more space is needed. Note 2: Attach a document showing the monitoring locations.

| Item | Date and Time | Date and Time of Evaluation () | | | | | |
|----------------------------------|---------------|--------------------------------|-----|--|--|--|--|
| Stack monitor | | | | | | | |
| Containment stack monitor | Stack name: | : | cps | | | | |
| Auxiliary building stack monitor | Stack name: | : | cps | | | | |

Stationary monitoring equipment location

| | Location name | MP-1 | MP-2 | MP-3 | MP-4 | MP-5 | MP-6 | MP-7 | |
|-------------|------------------|--------|--------|--------|--------|--------|--------|--------|-----------|
| γ-ray | : (hour, minute) | μ Sv/h | |
| air dose | : (hour, minute) | μ Sv/h | |
| | : (hour, minute) | μ Sv/h | |
| rate | | | | | | | | | |
| | | | | | | | | | Unit: nGy |

| Mobile monitoring eq | uipment location | | | | |
|-------------------------|--------------------|-------------------------------------|--------------------|--------------------|--------------------|
| | Equipment location | Near MP-6 | | | |
| | 20:00 | 60 μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h |
| γ-ray air dose rate | 20:10 | 59 μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h |
| | 20:20 | 61 μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h |
| | Equipment location | | | | |
| | (hour, minute) | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h |
| Neutron air dose rate | (hour, minute) | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h |
| | : (hour, minute) | μ Sv/h | μ Sv/h | μ Sv/h | μ Sv/h |
| | Equipment location | 3 | 3 | | 2 |
| | (hour, minute) | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ |
| Iodine concentration | (hour, minute) | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ |
| | : (hour, minute) | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ | Bq/cm ³ |
| Other measurement items | Equipment location | Near MP-6 | | | |
| Dust concentration | 20:10 | $1.7 	imes 10^{-6} \text{ Bq/cm}^3$ | | | |
| | : (hour, minute) | | | | |
| 8 | (hour, minute) | | | | |
| Item | | | | | |

Note: Enter information on the above items in the form as it is available and provide it to the relevant parties. Note: Approximate values (including estimated values can be entered.

General: The information provided must be treated with special care and is accessible only to those involved. Nuclear Power Plant Management Dept.



 21:01, March 11, 2011
 0240326104
 FAX > FAX
 07P/END

 21:03, March 11, 2011 To: Article 10*3
 From Emergency Response Room, Fukushima Daiichi Nuclear Power Plant, TEPCO
 R: 856
 P.07

1F: Data obtained with the monitoring vehicle

| | Wind Direction | Wind Speed | |
|-------|----------------|------------|-----------------|
| 19:45 | NW | 2.8 m/s | |
| 20:35 | E | 0.4 m/s | |
| 20:45 | NE | 0.4 m/s | (γ-ray 61 nGy/h |

| N | :14, March 11, 2011 uclear Emergency Pre :15, March 11, 2011 | 0240326104 paredness Division of NISA To: Article 10*3 | , METI | FAX > FAX | 01P/03P | | | | | |
|--------------------|--|---|--|-----------------------|------------------------------|--|--|--|--|--|
| 21 | | | nima Daiichi Nuclear Power Pl | ant, TEPCO | R: 858 P.01 | | | | | |
| | | | | x2113 rm 8-1 (1/4) | (vii) | | | | | |
| Form | for Reporting an Eme | ergency (after the Second Re | eport) (Nuclear Reactor Facility | <i>י</i>) | | | | | | |
| | | | ailable and provide it to the rele | evant parties. | | | | | | |
| | <u>h 11, 2011</u> (Report) | | | | | | | | | |
| (Artic | d at $\underline{:}$ cle 15 – 6 th Report) | | | | | | | | | |
| Repo | rted To: Minister of F | Economy. Trade and Industry | , Governor of Fukushima Prefe | ecture. Mayor of | ⁷ Okuma, Mayor of | | | | | |
| Futab | | ····· , | , | ···· | | | | | | |
| - | - | - | na Daiichi Nuclear Power Plan | <u>it</u> | | | | | | |
| Conta | | nergency Preparedness Mana | ager): 0240-32-2101 | | | | | | | |
| (| <u> </u> | | | 10 641 4-4 | C 1 M | | | | | |
| | ein provide updates on erning Nuclear Emerg | gency Preparedness. | g under Paragraph 1 of Article | | - | | | | | |
| Name | e and Address of the | | Nuclear Power Plant, Tokyo E | lectric Power Co | ompany | | | | | |
| | ear Power Plant | (Nature of Business | s: Electric utility) a Kitahara 22, Okumamachi, F | Sutaba Gun Fuk | uchima Drafactura | | | | | |
| Locat | tion of Occurrence | Address: Oaza Fuzawa, Az | a Kitanafa 22, Okumamacin, r | utada-Guii, ruk | ushima Prefecture | | | | | |
| | e Specific Event | Fukushima Daiichi Nuclear | r Power Plant Unit <u>2</u> | | | | | | | |
| | of Occurrence of | March 11 2011 (ros | | | | | | | | |
| the S | pecific Event | ;, March 11, 2011 (rot | ind the clock display) | | | | | | | |
| ıt | Type of the | | gency (ZYes, DNo) | | | | | | | |
| 'ver | Specific Event | Classified as nuclear emerg | <u> </u> | | | | | | | |
| lc E | Possible Cause | Determined | | Under inve | stigation | | | | | |
| the Specific Event | Detected radiation | | | | | | | | | |
| Spe | dose rates, | We have estimated that in Unit 2, the reactor water level will reach TAF around 21:40; core | | | | | | | | |
| the | detected radioactive | | d 22:20; and RPV will fail around 23:50. We are now making these | | | | | | | |
| | materials or | estimates for Unit 1. | | | now maxing these | | | | | |
| Summary of | conditions of main | | | | | | | | | |
| nm; | facilities and | | | | | | | | | |
| Sur | equipment | | | | | | | | | |
| | | | Radiation exposure | Unknow | | | | | | |
| | | Radiation exposure and | | | | | | | | |
| | | spreading of | □Yes: Exposed workers | <u>,</u> Workers r | equiring medical | | | | | |
| | | contamination | attention Spreading of contamination | | | | | | | |
| | | (Checked at) | Spreading of contamination \Box No | | | | | | | |
| | | | \Box Yes: | | | | | | | |
| | r Information that | | - Weather: | Saa | the Attachment. | | | | | |
| | s Assess the Specific | Weather information | - Wind direction: azimuth | | the Attachment. | | | | | |
| Even | t | (Checked at) | - Wind speed:m/s | | | | | | | |
| | | | - Atmospheric stability: | | | | | | | |
| | | Impact on the | \square No See the Attach | ment | | | | | | |
| | | surrounding environment | □Yes:See the Attach | | | | | | | |
| | | Emergency measures | | | | | | | | |
| | | | | | | | | | | |

 21:14, March 11, 2011
 0240326104

 21:15, March 11, 2011 To: Article 10*3
 From Emergency Response Room, Fukushima Daiichi Nuclear Power Plant, TEPCO
 FAX > FAX
 02P/03P

 R: 858
 P.02

Fukushima Daiichi Nuclear Power Plant: Plant Parameters

| As of 21:00 | |
|-------------|--|
|-------------|--|

| Unit | 1U | 2U | 3U | 4U | 5U | 6U |
|---|---|--|--|--|--|--|
| Water injection | IC in operation HPCI (waiting for the restoration of power supply) | In the beginning, RCIC started and L8 tripped. Subsequently, RCIC was not able to start due to the loss of power supply. RCIC not in operation HPCI (waiting for the restoration of power supply) | RCIC in operation | Not in operation | Not in operation | Not in operation |
| Reactor pressure | Unknown (cannot be checked after 20:15: PHS not available) | Unknown (cannot be checked after 20:15: PHS not available) | 7.2 MPa | - | - | - |
| Reactor water level | Unknown Due to the loss of instrumentation power | Unknown Due to the loss of instrumentation power | +900 mm (wide) | - | - | - |
| D/W pressure | Unknown | Unknown | 155kPaabs | - | - | - |
| Dew point temperature | Unknown | Unknown | Unknown | - | - | - |
| Power supply | 1A trip 1B trip | 2A trip 2B trip | 3A trip 3B trip | 4A/B not available | 5A/5B trip | 6B in operation 6A not available HPCS not available |
| Release of radioactive materials to the environment | | power supply to monitoring posts boundary in the environmental monitoring area have | e been measured using a n | nonitoring vehicle and are | within normal levels. | Γ |
| Other information | Preparing to provide Main Control Room lights M/C submerged | Preparing to provide Main Control Room lights M/C submerged Waiting for connection to a power supply vehicle, with priority to Unit 2 (the power supply vehicle is not close to the plant; Heli X) We will be ready to start the D/D fire pump and inject water into the reactor when the reactor pressure drops. | Preparing to provide Main Control Room lights M/C submerged |

SPA: First Operation Management Department Assessment G



21:16, March 11, 2011 To: Article 10*3

From Emergency Response Room, Fukushima Daiichi Nuclear Power Plant, TEPCO R: 858 P.03

| (Near MP-6) Main ga | te | | | | | |
|---------------------|----------|----------------|------------|--|--|--|
| Time | γ-ray | Wind Direction | Wind Speed | | | |
| 19:45 | 57 nGy/h | NW | 2.8 m/s | | | |
| 20:35 | 67 nGy/h | Е | 0.4 m/s | | | |
| 20:45 | 61 nGy/h | NE | 0.4 m/s | | | |
| 21:00 | 60 nGy/h | NW | 0.4 m/s | | | |

1F: Data obtained with the monitoring vehicle

| N | 2:11, March 11, 2011 | | FAX > FAX 01P/02P O shima Daiichi Nuclear Power Plant, TEPCO R: 875 P.01 |
|-----------------------|---|---|--|
| | | ney response recom, r unus | Fax2210 Form 8-1 (1/4) |
| Form | for Reporting an Em | ergency (after the Second Re | eport) (Nuclear Reactor Facility) |
| | | | vailable and provide it to the relevant parties. |
| | <u>h 11, 2011</u> (Report | | |
| Issue (Artic | d at $\underline{\qquad}$: cle 15 – 7 th Report) | | |
| Repo | rted To: Minister of Eco | onomy, Trade and Industry, G | overnor of Fukushima Prefecture, Mayor of Okuma, Mayor of Futaba |
| - | | | ma Daiichi Nuclear Power Plant |
| Conta | | mergency Preparedness Man | nager): 0240-32-2101 |
| (I hara | <u>G</u> |) n the event after the reportin | g under Paragraph 1 of Article 10 of the Act on Special Measures |
| | erning Nuclear Emerg | - | g under Paragraph 1 of Afficie 10 of the Act on Special Measures |
| | | | Nuclear Power Plant, Tokyo Electric Power Company |
| | e and Address of the ear Power Plant | (Nature of Business | |
| | | Address: Oaza Fuzawa, Ki | tahara 22, Okumamachi, Futaba-Gun, Fukushima Prefecture |
| of the | tion of Occurrence e Specific Event | Fukushima Daiichi Nuclea | r Power Plant Unit — 1 and 2 |
| | of Occurrence of pecific Event | <u>16:36</u> , <u>March 11, 2011</u> (r | round the clock display) |
| ıt | Type of the | | ction of the Emergency Core Cooling System |
| ver | Specific Event | Classified as nuclear emerg | |
| ic E | Possible Cause | Determined | Under investigation |
| of the Specific Event | Detected radiation dose rates, | We have found that the cur | rrent reactor water level in Unit 2 is 3,400 mm above TAF. |
| Spo | dose rates, detected | | on that the reactor water level will reach TAF around 21:40 (it is |
| the | radioactive | | re the water level reaches TAF. We are re-estimating when TAF |
| - | materials or | | <u> </u> |
| Summary | conditions of main | The current reactor water le | evel in Unit 1 is about 450 mm above TAF. We are estimating |
| mm | facilities and | when TAF will be reached | • |
| Su | equipment | | |
| | | | Radiation exposure Unknown |
| | | Radiation exposure and | \Box Yes: Exposed workers, Workers requiring medical |
| | | spreading of | attention |
| | | contamination | Spreading of contamination |
| | | (Checked at) | □No |
| | | | □Yes: |
| | Information that | Weatherinformation | - Weather: See the Attachment. |
| Helps | s Assess the fic Event | Weather information (Checked at) | - Wind direction: azimuthSee the Attachment. |
| speci | | (Chooked ut) | - Atmospheric stability: |
| | | Impact on the | □No See the Attachment. |
| | | surrounding | □Yes:See the Attachment. |
| | | environment | |
| | | Emergency measures | |

22:10, March 11, 2011 0240326104 FAX > FAX 12P/END 22:11, March 11, 2011 To: Article 10*3 From Emergency Response Room, Fukushima Daiichi Nuclear Power Plant, TEPCO R: 875 P.02

1F: Data obtained with the monitoring vehicle

(Near MP-6) Main gate

| Time | γ-ray | Neutron ray | Wind Direction | Wind Speed | |
|-------|----------|------------------------|----------------|------------|--|
| 21:30 | 62 nGy/h | $< 0.001 \ \mu \ Sv/h$ | NE | 0.4 m/s | |
| 21:40 | 61 nGy/h | $< 0.001 \ \mu \ Sv/h$ | NW | 0.5 m/s | |
| 21:50 | 61 nGy/h | $< 0.001 \ \mu \ Sv/h$ | ENE | 0.4 m/s | |

| FAX No. 9 | | | |
|------------------|----------|----------------------|------|
| 22:19, March 11, | 2011 | 0240326104 | |
| Nuclear Power F | 'lant Ma | nagement Dept, 6F, T | EPCO |
| 22:20, March 11, | 2011 То | : Article 10*3 | |

Fax2220

Form 8-1 (1/4)

01P/04P

| R: 88 | 80 P.01 | |
|-------|---------|--|
| | (ix) | |

Form for Reporting an Emergency (after the Second Report) (Nuclear Reactor Facility)

Note: Enter information on items in the form as it is available and provide it to the relevant parties.

From Emergency Response Room, Fukushima Daiichi Nuclear Power Plant, TEPCO

| 1,010 | | i itemis in the form us it is uv | anable and provide it to the relevant parties. |
|-------------------------------|----------------------------------|-----------------------------------|--|
| | <u>h 11, 2011</u> (Report |) | |
| Issue | d at:: | | |
| | cle $15 - 8^{\text{th}}$ Report) | | |
| | | | overnor of Fukushima Prefecture, Mayor of Okuma, Mayor of Futaba |
| _ | | | ma Daiichi Nuclear Power Plant |
| Cont | | nergency Preparedness Man | lager): 0240-32-2101 |
| (| G | <u>)</u> | |
| | | | g under Paragraph 1 of Article 10 of the Act on Special Measures |
| Conc | erning Nuclear Emerg | | |
| Nam | e and Address of the | | Nuclear Power Plant, Tokyo Electric Power Company |
| | ear Power Plant | (Nature of Busines | |
| _ | | Address: Oaza Fuzawa, Az | za Kitahara 22, Okumamachi, Futaba-Gun, Fukushima Prefecture |
| | tion of Occurrence | Fukushima Daiichi Nuclea | r Power Plant Unit — 1 and 2 |
| | e Specific Event | | |
| | of Occurrence of | <u>16:36, March 11, 2011</u> (rot | und the clock display) |
| the S | pecific Event | | |
| Jt | Type of the | | tion of the Emergency Core Cooling System |
| vei | Specific Event | Classified as nuclear emerg | |
| Summary of the Specific Event | Possible Cause | Determined | Under investigation |
| ifi | Detected radiation | | |
| bec | dose rates, | Situation as of 22:00 (the r | eactor water level) |
| eS | detected | Unit 1: TAF + 550 mm | |
| th | radioactive | Unit 2: TAF + 3400 mm (e | equivalent to L-2) |
| , of | materials or | | |
| ar) | conditions of main | | |
| uu | facilities and | | |
| Sur | equipment | | |
| - | | | Radiation exposure |
| | | | □No Unknown |
| | | Radiation exposure and | □Yes: Exposed workers, Workers requiring medical |
| | | spreading of | attention |
| | | contamination | Spreading of contamination |
| | | (Checked at) | |
| | | | \Box Yes: |
| Othe | r Information that | | - Weather: |
| Help | | Weather information | - Wind direction: azimuth See the Attachment. |
| - | ific Event | (Checked at) | - Wind speed:m/s |
| Spee | | ` | - Atmospheric stability: |
| | | Impact on the | |
| | | surrounding | See the Attachment. |
| | | environment | |
| | | | |
| | | Emergency measures | |
| | | genery moustres | |
| | | | |

22:19, March 11, 2011 0240326104 FAX > FAX 02P/04P 22:21, March 11, 2011 To: Article 10*3 From Emergency Response Room, Fukushima Daiichi Nuclear Power Plant, TEPCO R: 880 P.02

Fukushima Daiichi Nuclear Power Plant: Plant Parameters

As of 22:00

| Unit | 1U | 2U | 3U | 4U | 5U | 6U |
|---|---|--|---|---|--|---|
| Water injection | IC in operation (3A valve was opened to start depressurization at 21:30) HPCI (waiting for the restoration of power supply) | In the beginning, RCIC started and L8 tripped. Subsequently, RCIC was not able to start due to the loss of power supply. RCIC not in operation HPCI (waiting for the restoration of power supply) | RCIC in operation | Not in operation | Not in operation | Not in operation |
| Reactor pressure | Unknown (cannot be checked after 20:15: PHS not available, $6.6 \sim 7.2$ at 20:07) | Unknown (cannot be checked after 20:15: PHS not available) | 7.2 MPa | - | - | - |
| Reactor water level | 550 mm above TAF | The water level gauge is back in operation. 3400 mm above TAF (fuel region) | +350 mm (wide) | - | - | - |
| D/W pressure | Unknown | Unknown | 155 kPA (same as at 21:00) | - | - | - |
| Dew point temperature | Unknown | Unknown | Unknown | - | - | - |
| Power supply | 1A trip 1B trip | 2A trip 2B trip | 3A trip 3B trip | 4A/B not available | 5A/5B trip | 6B in operation 6A not available HPCS not available |
| Release of radioactive materials to the environment | | ost: 5:60 nG, unknown for other monitoring post boundary in the environmental monitoring area hav | | nonitoring vehicle and are | within normal levels. (22: | |
| | | | | | | |
| Other information | Main Control Room lights are provided (temporally installed) M/C submerged | Main Control Room lights are provided (temporally installed) M/C submerged A power supply vehicle for Unit 2 arrived (ground) Preparing to connect a cable to the M/C2C | Main Control Room lights are provided (temporally installed) M/C submerged | Main Control Room lights are provided (temporally installed) M/C submerged | Underwater lights are provided (normally installed) M/C submerged | Main Control Room lights are provided (normally installed) M/C submerged |

SPA: First Operation Management Department Assessment G



 22:19, March 11, 2011
 0240326104
 FAX > FAX
 03P/04P

 22:21, March 11, 2011 To: Article 10*3
 From Emergency Response Room, Fukushima Daiichi Nuclear Power Plant, TEPCO
 R: 880
 P.03

1F: Data obtained with the monitoring vehicle

(Near MP-6) Main gate

| Time | γ-ray | Neutron ray | Wind Direction | Wind Speed | |
|-------|----------|------------------------|----------------|------------|--|
| 21:30 | 62 nGy/h | $< 0.001 \ \mu \ Sv/h$ | NE | 0.4 m/s | |
| 21:40 | 61 nGy/h | $< 0.001 \ \mu \ Sv/h$ | NW | 0.5 m/s | |
| 21:50 | 61 nGy/h | $< 0.001 \ \mu \ Sv/h$ | ENE | 0.4 m/s | |
| 22:00 | 59 nGy/h | $< 0.001 \ \mu \ Sv/h$ | Ν | 0.4 m/s | |

| FAX No. 9 |
|-----------|
|-----------|

| 22:19, March 11 22:21, March 11 | , 2011 0240 , 2011 To: Article | 326104 10*3 | From Emergency Response Room, Fukushima Daiichi Nuclear Power Plant, TEPCO | FAX > FAX R: 88 | 04P/END 80 P.04 |
|------------------------------------|-----------------------------------|----------------|--|--------------------|--------------------|
| | | Information of | n the injured (March 11) | | |
| | | Name | Description of Injury | | |
| 15:10 | | | Knee injury | | |
| | | | Head banging | | |
| 15:20 | | | Both feet broken (transported by ambulance) | | |
| 16:22 | | | Conscious (transported by a commercial vehicle) | | |
| 16:48 | Unit 4 T/B | 2 workers | missing | | |

| N | :48, March 11, 2011 uclear Emergency Pre :49, March 11, 2011 | 0240326104 eparedness Division of NISA To: Article 10*3 | | AX > FAX | 01P/04P | | | |
|------------------------|--|---|--|-----------------|------------------------|--|--|--|
| 20 | | | hima Daiichi Nuclear Power Plan | t, TEPCO | R: 900 P.01 | | | |
| | | | Fax23 | 40 8-1 (1/4) | (X) | | | |
| | | | | 5-1 (1/4) | | | | |
| Form | for Reporting an Em | ergency (after the Second Ro | eport) (Nuclear Reactor Facility) | | | | | |
| | | | ailable and provide it to the releva | ant parties. | | | | |
| | <u>h 11, 2011</u> (Report |) | | | | | | |
| (Artic | d at <u>:</u> cle 15 – 9 th Report) | | | | | | | |
| | | onomy. Trade and Industry. G | overnor of Fukushima Prefecture, M | lavor of Okuma | a. Mayor of Futaba | | | |
| | | | ma Daiichi Nuclear Power Plant | | , 114 j 01 01 1 0 0000 | | | |
| | | nergency Preparedness Man | | | | | | |
| (| G |) | | | | | | |
| | ein provide updates of erning Nuclear Emerg | | g under Paragraph 1 of Article 10 | of the Act on | Special Measures | | | |
| | | | Nuclear Power Plant, Tokyo Elec | tric Power Co | mpany | | | |
| | me and Address of the (Nature of Business: Electric utility) | | | | | | | |
| Nucle | ear Power Plant | Address: Oaza Fuzawa, Az | za Kitahara 22, Okumamachi, Futa | aba-Gun, Fuku | shima Prefecture | | | |
| | tion of Occurrence e Specific Event | Fukushima Daiichi Nuclear Power Plant Unit — 1 | | | | | | |
| | of Occurrence of pecific Event | <u>16:36, March 11, 2011</u> (ro | 5:36, March 11, 2011 (round the clock display) | | | | | |
| Jt | Type of the | | tion of the Emergency Core Cool | ing System | | | | |
| of the Specific Event | Specific Event Possible Cause | Classified as nuclear emerg | gency (\Box Yes, \Box No) | | tiantian | | | |
| ïc F | | Determined | | Under inves | ligation | | | |
| ecif | Detected radiation dose rates, | Radiation dose rates are ris | sing in the Unit 1 Turbine Building | σ | | | | |
| Sp | detected | Survey results at 23:00 | | ⊃. | | | | |
| the | radioactive | | rth side of the building: 1.2 mSv/h | | | | | |
| - | materials or | | th side of the building: 0.5 mSv/h | | | | | |
| ary | conditions of main | We are investigating the ca | | | | | | |
| Summary | facilities and | | | | | | | |
| Su | equipment | | | | | | | |
| | | | Radiation exposure | | nknown | | | |
| | | Radiation exposure and | | | | | | |
| | | spreading of | ☐Yes: Exposed workers, attention | workers re | equiring medical | | | |
| | | contamination | Spreading of contamination | | | | | |
| | | (Checked at) | | | | | | |
| | | | \Box Yes: | | | | | |
| Other Information that | | | - Weather: | See the | Attachment. | | | |
| Helps | | Weather information | - Wind direction: azimuth | Jee the | 7 Attachinent. | | | |
| Speci | fic Event | (Checked at) | - Wind speed:m/s | | | | | |
| | | Impost on the | - Atmospheric stability: | | | | | |
| | | Impact on the surrounding | | ıt. 🔿 | | | | |
| | | environment | | <u>~</u> | | | | |
| | | | | | | | | |
| | | Emergency measures | | | | | | |
| | | | | | | | | |

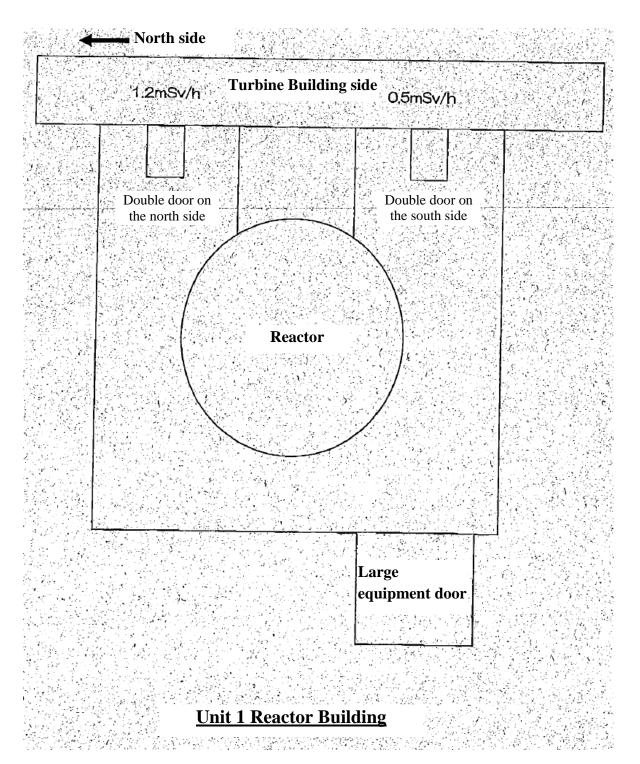
23:48, March 11, 20110240326104FAX > F23:49, March 11, 2011 To: Article 10*3 From Emergency Response Room, Fukushima Daiichi Nuclear Power Plant, TEPCOFAX > F

FAX > FAX 02P/04P R: 900 P.02

| | | 22:47 | 23:05 11:05 | 11:24 23:24 | 23:30 23: 35 | 24:00 |
|--------|---------------------------|---|---|--|--|--------------------|
| Unit 1 | Water level: | Fuel region stable at +59 cm | Fuel region (Line A only) stable at +59 cm | Fuel region stable at +59 cm | No power supply Can't see the reading. | |
| 940 mm | Pressure: | ThepressuregaugeisnotworkingCan't enter B/B. | Same as on the left | Same as on the left | Same as the above | 600 kPa 300 mSv |
| Unit 2 | Water level: | Fuel region + 3400 mm | Fuel region + 3400 mm | At 23:20 Fuel region + 3500 mm | At 23:30 Fuel region + 3500 mm | |
| 152 mm | Pressure: | The condition of the pressure gauge is unknown.The condition of RCIC is unknown. | Same as on the left | Same as on the left | Reactor pressure: 6.3 MPa at 23:25 (data obtained in the field) Pressure: 40 kPa | |
| Unit 3 | Water level: | At 22:58 TAF + 100 mm TAF + 400 mm | - | At 23:19 Wide + 200 mm Narrow: D-S | At 23:35 Wide + 350 mm Narrow: ± 0 | |
| 150 mm | Pressure: | RCIC in operation 7.3 MPa | - | RCIC in operation a 7.38 | Reactor pressure: 7.32 MPa | |
| Unit 4 | Water level: Pressure: | | | | | |

 23:48, March 11, 2011
 0240326104
 FAX > FAX
 03P/04P

 23:50, March 11, 2011 To: Article 10*3
 From Emergency Response Room, Fukushima Daiichi Nuclear Power Plant, TEPCO
 R: 900
 P.03



| FAX No. 10 | | | |
|--|--|-----------|---------|
| 23:48, March 11, 2011 0240326104 | | FAX > FAX | 04P/END |
| 23:50, March 11, 2011 To: Article 10*3 | From Emergency Response Room, Fukushima Daiichi Nuclear Power Plant, TEPCO | R: 900 | P.04 |

1F Monitoring Data

(Near MP-6) Near Main Gate

| γ-ray | Neutron ray | Wind Direction | Wind Speed | | Unit 1 | Unit 2 | Unit 3 RCI |
|-------|---|-----------------------------------|---|---|---|---|---|
| 61 | < 0.001 | ENE | 0.4 | 21:50 | + 40 cm | + 3400 mm | NW |
| 59 | < 0.001 | Ν | 0.4 | 22:00 | + 55 | + 3400 | Ν |
| 60 | < 0.001 | ENE | 0.6 | 22:10 | + 55 | + 3400 | Ν |
| 62 | < 0.001 | NE | 0.5 | 22:20 | + 59 | + 3400 | Ν |
| 60 | < 0.001 | NNW | 0.5 | | | | |
| 60 | < 0.001 | Ν | 0.6 | | | | |
| 59 | < 0.001 | W | 0.7 | 22:50 | + 59 | + 3400 | Ν |
| 60 | < 0.001 | Ν | 0.8 | | | | |
| 63 | < 0.001 | WNW | 0.4 | | | | |
| 60 | < 0.001 | Ν | 0.3 | | | | |
| | γ-ray 61 59 60 62 60 60 59 60 63 | γ -rayNeutron ray61< 0.001 | γ -rayNeutron rayWind Direction61< 0.001 | γ -rayNeutron rayWind DirectionWind Speed61< 0.001 | γ -rayNeutron rayWind DirectionWind Speed61< 0.001 | γ -rayNeutron rayWind DirectionWind SpeedUnit 161< 0.001 | γ-rayNeutron rayWind DirectionWind SpeedUnit 1Unit 261< 0.001 |

Water Level