

Non-conformances at Fukushima Daini Nuclear Power Station during the Period
of the Tohoku-Chihou-Taiheiyou-Okai Earthquake to the End of March 2012
(March 11, 2011 – March 31, 2012)

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Fukushima Daini Nuclear Power Station

There were 2819 “non-conformances” discussed at the Non-conformances Management Committee during the period of March 11, 2011 (the date on which the Tohoku-Chihou-Taiheiyou-Okai Earthquake occurred) to March 31, 2012. So far 805* of these have been processed.

* As of April 2, 2012

See Attachment-1 “List of Non-conformances” for each of the non-conformances discussed at the Non-conformances Management Committee during the period of March 11, 2011 to March 31, 2012.

See Attachment-2 “Occurrence and Processing Status of Non-conformances” for details on the occurrence and processing status of non-conformances.

The following shows the non-conformances related to the Tohoku-Chihou-Taiheiyou-Okai Earthquake and the Tsunami which came after it as well as other non-conformances.

1. Report from the Non-conformances Management Committee

The values in parentheses show the number of non-conformances discussed in the previous year (March 11, 2010 – March 31, 2011).

March 11, 2011 – March 31, 2012		Number of non-conformances per grade	
Overall number of non-conformances	2,819 (236)	G-I	72 (0)
		G-II	140 (1)
		G-III	2,596 (231)
		N/A	11 (4)

Calculation was done based on the data available on April 2, 2012 (The same applies to all of the below).

(1) Non-conformances Related to the Earthquake

March 11, 2011 – March 31, 2012		Number of non-conformances per grade	
Overall number of non-conformances	401 (98)	G-I	0 (0)
		G-II	12* ¹ (0)
		G-III	389 (98)
		N/A	0 (0)

(2) Non-conformances Related to the Tsunami

March 11, 2011 – March 31, 2012		Number of non-conformances per grade	
Overall number of non-conformances	1,465 (103)	G-I	68* ² (0)
		G-II	43* ³ (1)
		G-III	1,350 (98)
		N/A	4 (4)

(3) Other Non-conformances

March 11, 2011 – March 31, 2012		Number of non-conformances per grade	
Overall number of non-conformances	953 (35)	G-I	4 (0)
		G-II	85 (0)
		G-III	857 (35)
		N/A	7 (0)

¹ Out of the 12 G-II grade non-conformances related to the earthquake, 2 are safety-related non-conformances. One is a non-conformance related to the over head traveling crane at Unit 3 Reactor Building which has been restored with the permanent equipment, and the other is related to the main exhaust duct at Unit 4 which has been restored with a temporary equipment.

*² Out of the 68 G-I grade non-conformances related to the Tsunami, 66 are safety-related non-conformances which include those of the emergency diesel generator and the emergency cooling system components due to flooding. 27 of these have been restored with the permanent equipments and 18 of them have been restored with temporary equipments. Out of the remaining 21, 19 non-conformances have no functional requirements applied to them as other replacing systems have already been restored, and the other 2 are not necessary in the current plant condition.

*³ Out of the 43 G-II grade non-conformances related to the Tsunami, 23 are safety-related non-conformances which include those of the electric equipments and electric motors at the Heat Exchanger Building due to flooding. 12 of these have been restored with the permanent equipments and 1 of them has been restored with a temporary equipment. Out of the remaining 10, 2 non-conformances have no functional requirements applied to them as other replacing systems have already been restored, and other 5 are not necessary in the current plant condition. As for the rest (3) related to the ventilation and air-conditioning system, safety is being ensured by management such as patrolling.

* "Safety-related non-conformances" are applied to the following;

1. Facilities/equipments which require functions to shutdown and cool the reactor and prevent the radioactive materials from being released
2. Facilities/equipments which are unable to satisfy the functional requirements indirectly due to a particular event
3. Fuel handling equipments and the facilities/equipments related to the direct release of radioactive materials

Correction of Non-conformances at Nuclear Power Stations

At our nuclear power stations, regular inspections/tests, patrols during operation, repairs, etc. are done in order to ensure the soundness of the equipments/facilities and to continue safe operation. In the case that "non-conformances*" are found, necessary correction measures must be implemented based on the "Non-conformance Management Manual".

* Non-conformance: Conditions/actions (judgments) which deviate from the normal status.

Grades of Non-conformances (Determined by the Non-conformance Management Committee)

The grades of non-conformances have been modified on April 2010 as below (the previous version provided on the next page as reference).

G-I: Severe non-conformances for which correction measures*¹ and prevention measures*² must be implemented.

G-II: Non-conformances for which correction measures*¹ must be implemented.

G-III: Non-conformances for which require modification measures*³

N/A: Non-conformances which can be resolved by replacing expendables

*¹ Correction measures: Implemented to resolve the root cause of a non-conformance (Recurrence prevention)

*² Prevention measures: To be shared with other power stations (Horizontal Deployment)

*³ Modification measures: Implemented to fix a non-conformance (Repair, modification)

List of Non-Conformances

<http://www.tepco.co.jp/nu/f2-np/incomp/2011/pdfdata/huteki0608-j.pdf>

Please refer to the below page for the details regarding the non-conformances at Fukushima Daini Nuclear Power Station.

<http://www.tepco.co.jp/nu/f2-np/incomp/2011/201104-j.html>

The aforementioned attachment and the content page are only available in Japanese.

We apologize for any inconvenience this may cause.

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