



INCIDENT AND EMERGENCY CENTRE

Date: 2011-3-13
UTC Time: 11:30

Total Pages including cover sheet: 4

To: All Contact Points

Cc: Permanent Missions

Subject: Status of the Fukushima Daiichi and Onagawa nuclear power plants

The Incident and Emergency Centre (IEC) is continuing to monitor the status of the nuclear power plants in Japan following the earthquake.

Based on information received by 9:30 UTC on March 13, 2011 the following update for the three reactor units at the Fukushima Daiichi nuclear power plant is provided:

Unit 1

The reactor is being maintained shutdown. There is currently no off-site electrical power supply nor diesel generators providing power to Unit 1. Work continues to restore power to the plant. Water level in the reactor is out of the measuring range, but at least 170 cm below the top of the core. There was an explosion outside of the containment (estimate 06:36 UTC, March 12) during which 4 people were injured. Information received said that containment is intact in Unit 1. The injection of seawater and boron into Unit 1 commenced at 11:20 UTC March 12 using a special piping configuration and is continuing. Radiation monitoring at 4:20 UTC March 13, 2011, indicates the highest level is at measuring point MP4 of 47.1 micro Sv per hour.

Unit 2

The reactor is being maintained shutdown. There is currently no off-site power supply nor diesel generators providing power to Unit 2. Work continues to restore power to the plant. The reactor water level remains unchanged at approximately +375 cm above the top of the core. Cooling of the core is being maintained through reactor core isolation cooling. Containment is intact in Unit 2.

Unit 3

The reactor is being maintained shutdown. There is currently no off-site power supply nor diesel generators providing power to Unit 3. The reactor water level has decreased to a level between -150 to 200 cm below the top of the core. Containment is intact in Unit 3. Venting of the containment of Unit 3 started at 00:15 UTC, March 13. High pressure injection system failed at 5:10JST March 13 and other attempts of cooling have also failed. Injection of water started at 11:55 JST and from 13:12JST injection with sea water started. Accumulation of hydrogen is possible.

Additional Information

Protective countermeasures are being implemented with evacuations out to 20 km around Fukushima Daiichi.

Mobile monitoring has been routinely performed at the site boundary. A summary of results over time is provided below.

Mobile Monitoring Results	
Time and Date	Dose Rate at Site Boundary
06:29 UTC 12-Mar-2011	1015 micro Sv/h
06:47 UTC 12-Mar-2011	141.8 micro Sv/h
10:44 UTC 12-Mar-2011	64.2 micro Sv/h
11:26 UTC 12-Mar-2011	59.1 micro Sv/h
14:30 UTC 12-Mar-2011	47.9 micro Sv/h
18:08 UTC 12-Mar-2011	40.0 micro Sv/h

The results from the **fix monitoring points** (MP1 to MP8) are the following:

Time is in JST

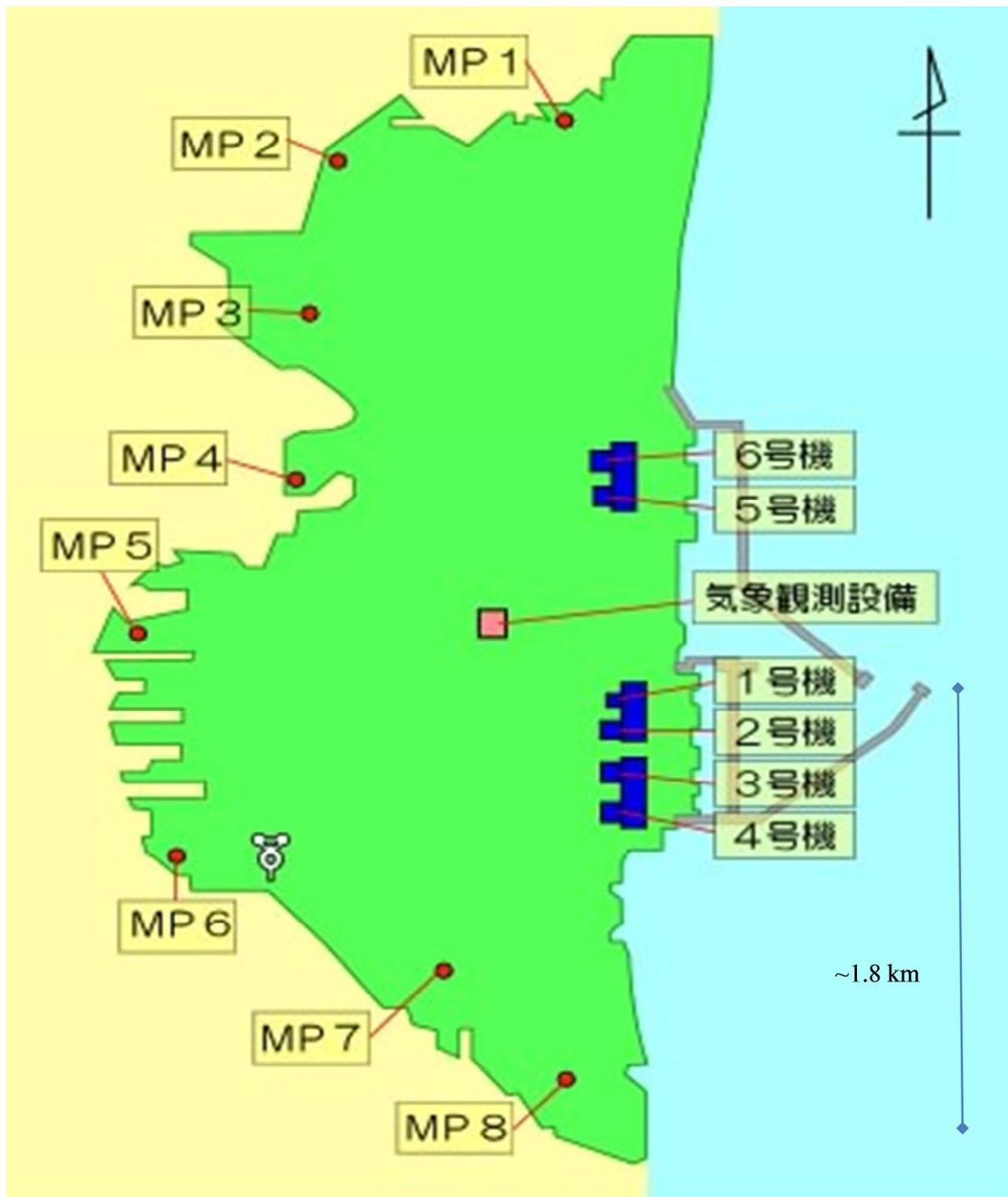
MP1	MP2	MP3	MP4	MP5	MP6	MP7	MP8
			40 uSv/h (03:08, March13)		0.07 uSv/h (04:00, March12)		0.07 uSv/h (04:00, March 12)
					3.1 uSv/h		4.5 uSv/h

					(02:50, March 13)		(02:50, March 13)
17 uSv/h (11:40, 13 March)			47.1 uSv/h (12:20, 13 March)		26 uSv/h (9:30, 13 March)		

Attachment 1 depicts the location of the fix monitoring points.

Based on information received by 9:30 UTC on March 13, 2011 the following update for **Onagawa nuclear power** plant is provided:

At 16:30 JST Article 10 on Special Measures Concerning Nuclear Emergency Preparedness was activated, due to the increase level of radiation (21 micro Sv/h) at the site boundary.



IAEA Incident and Emergency Centre
 Attachment 1: Location of fix Monitoring Points at Fukushima Daiichi
<http://www.tepco.co.jp/fukushima1-np/monitoring/monita2.html>

Respectfully

Guenther Winkler
 Emergency Response Manager
 13 March-2011 UTC time: 11:30