

Correction of pressure data of plant parameters in primary containment vessel D/W of Unit 2 in Fukushima Daiichi Nuclear Power Station

[Details]

- Regarding the measurement of pressure in the primary containment vessel D/W, the figure that subtracts the figure of pressure loss in the pipe from the figure of temporary pressure indicator installed in nitrogen injection system is reported as plant parameters. (Figure 1)
- The figure of pressure loss is proportional to the square of amount of nitrogen injection. Therefore, if the amount of nitrogen injection is changed, the figure of pressure loss in the pipeline is also changed. It is necessary to consider the change of the amount of nitrogen injection for the calculation of pressure in primary containment vessel.
- However, although nitrogen injection had been increased appropriately since October 28 when gas management system in primary containment vessel started, the increase of injection amount of nitrogen of Unit 2 was not considered for the calculation of pressure loss in the pipe.
- As the result, the figures of pressure in the primary containment vessel D/W (Figure 2: red line), which were reported in “Plant Parameters” from 11:00pm on October 29 to 11:00pm on November 10, were higher than the corrected figure (Figure 2: blue line). Therefore, they are corrected.

[Correction]

D/W (drywell pressure) Unit 2 in Fukushima Daiichi Nuclear Power Station

Data recorded from 11:00pm on October 29 to 11:00pm on November 10 (Total: 49 points)

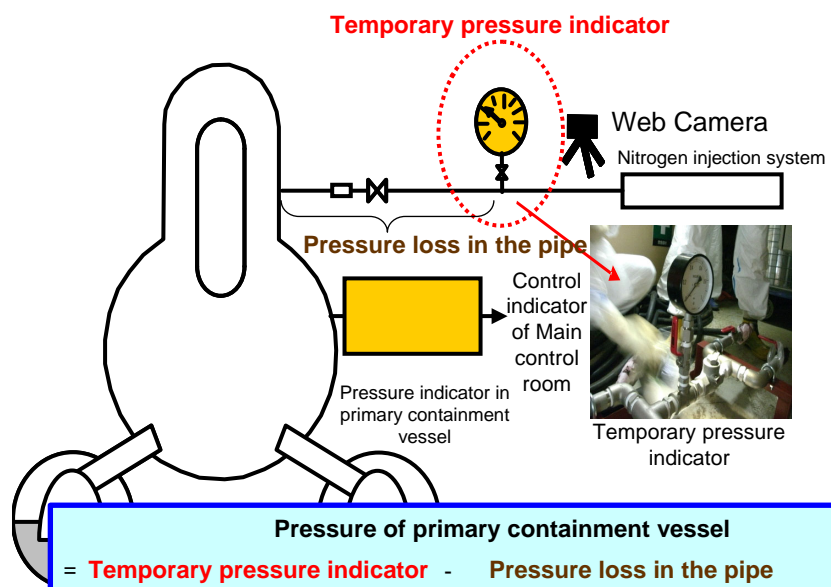


Figure 1:

Measurement method of pressure in the primary containment vessel

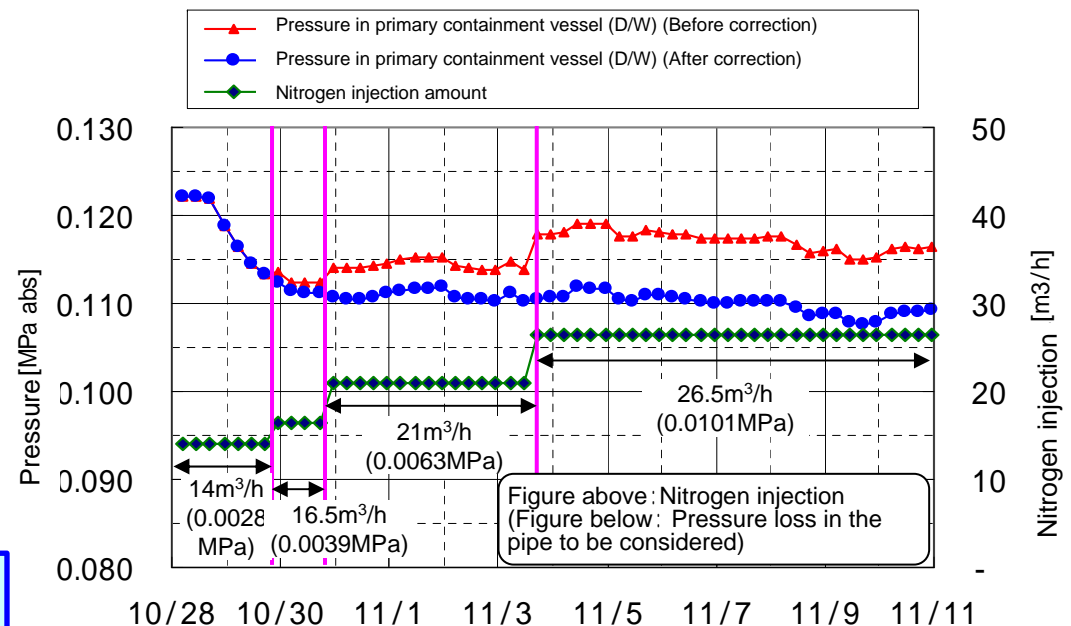


Figure 2: Pressure in primary containment vessel and the amount of nitrogen injection of Unit 2 in Fukushima Daiichi Nuclear Power Station

List of errata concerning "D/W Pressure of Unit 2 in Fukushima Daiichi Nuclear Power Station"

Date	D/W Pressure (MPa abs) [wrong]	D/W Pressure (MPa abs) [correct]
2011/10/29 23:00	0.113	0.111
2011/10/30 5:00	0.112	0.110
2011/10/30 11:00	0.112	0.110
2011/10/30 17:00	0.112	0.110
2011/10/30 23:00	0.114	0.110
2011/10/31 5:00	0.114	0.110
2011/10/31 11:00	0.114	0.110
2011/10/31 17:00	0.114	0.110
2011/10/31 23:00	0.114	0.110
2011/11/1 5:00	0.114	0.110
2011/11/1 11:00	0.114	0.110
2011/11/1 17:00	0.114	0.110
2011/11/1 23:00	0.114	0.110
2011/11/2 5:00	0.113	0.109
2011/11/2 11:00	0.113	0.109
2011/11/2 17:00	0.113	0.109
2011/11/2 23:00	0.113	0.109
2011/11/3 5:00	0.114	0.110
2011/11/3 11:00	0.113	0.109
2011/11/3 17:00	0.117	0.109
2011/11/3 23:00	0.117	0.109
2011/11/4 5:00	0.117	0.109
2011/11/4 11:00	0.118	0.110
2011/11/4 17:00	0.118	0.110
2011/11/4 23:00	0.118	0.110
2011/11/5 5:00	0.117	0.109
2011/11/5 11:00	0.117	0.109
2011/11/5 17:00	0.118	0.110
2011/11/5 23:00	0.118	0.110
2011/11/6 5:00	0.118	0.110
2011/11/6 11:00	0.118	0.110
2011/11/6 17:00	0.118	0.110
2011/11/6 23:00	0.118	0.110
2011/11/7 5:00	0.118	0.110
2011/11/7 11:00	0.118	0.110
2011/11/7 17:00	0.118	0.110
2011/11/7 23:00	0.118	0.110
2011/11/8 5:00	0.118	0.110
2011/11/8 11:00	0.117	0.109
2011/11/8 17:00	0.116	0.108
2011/11/8 23:00	0.116	0.108
2011/11/9 5:00	0.116	0.108
2011/11/9 11:00	0.115	0.107
2011/11/9 17:00	0.115	0.107
2011/11/9 23:00	0.115	0.107
2011/11/10 5:00	0.116	0.108
2011/11/10 11:00	0.116	0.108
2011/11/10 17:00	0.116	0.108
2011/11/10 23:00	0.116	0.108