

**The Reactor Pressure Vessel Temperature and the Amount of Water Injection to Reactor
at Fukushima Daiichi Nuclear Power Station Unit 1 - 3 (Reference)**

Date	Unit 1			Unit 2			Unit 3		
	VESSEL BOTTOM HEAD (TE- 263-69L1)	Amount of Water Injection (FDW)	Amount of Water Injection (CS)	VESSEL WALL ABOVE BOTTOM HEAD(TE- 2-3-69H3)	Amount of Water Injection (FDW)	Amount of Water Injection (CS)	RPV BOTTOM HEAD (TE- 2-3-69L1)	Amount of Water Injection (FDW)	Amount of Water Injection (CS)
		m ³ /h	m ³ /h		m ³ /h	m ³ /h		m ³ /h	m ³ /h
2012/8/30 1:00	37.6	2.9	2.1	55.1	2.0	5.0	55.7	2.5	4.5
2012/8/30 2:00	37.6	2.9	2.1	55.1	2.0	5.0	55.7	2.5	4.5
2012/8/30 3:00	37.6	2.9	2.1	55.1	2.0	5.0	55.7	2.5	4.5
2012/8/30 4:00	37.6	2.9	2.1	55.1	2.0	5.0	55.7	2.5	4.5
2012/8/30 5:00	37.6	2.9	2.1	55.0	2.0	5.0	55.8	2.5	4.5
2012/8/30 6:00	37.5	2.9	2.0	55.1	2.0	5.0	55.8	2.5	4.5
2012/8/30 7:00	37.5	2.9	2.0	55.1	2.0	5.0	55.7	2.5	4.5
2012/8/30 8:00	37.5	2.9	2.0	55.0	2.0	5.0	55.8	2.5	4.5
2012/8/30 9:00	37.5	2.9	2.0	55.0	2.0	5.0	55.8	2.5	4.5
2012/8/30 10:00	37.5	2.9	2.0	55.0	2.0	5.0	55.8	2.5	4.5
2012/8/30 11:00	37.5	2.9	2.0	55.0	2.0	5.0	55.8	2.5	4.5
2012/8/30 12:00	37.5	2.9	2.0	55.0	2.0	5.0	56.1	2.5	4.5
2012/8/30 13:00	37.5	2.9	2.0	55.0	2.0	5.0	55.8	2.5	4.5
2012/8/30 14:00	37.5	2.9	2.0	54.9	2.0	5.0	55.9	2.5	4.5
2012/8/30 15:00	37.6	1.9	2.1	54.9	1.0	4.5	55.9	1.5	4.1
2012/8/30 16:00	37.5	1.7	2.0	54.9	2.1	5.1	55.9	2.5	4.4
2012/8/30 17:00	37.5	2.5	2.0	54.9	1.9	4.9	55.9	2.3	4.3
2012/8/30 18:00	37.5	3.0	2.0	54.8	1.0	4.5	56.0	1.9	3.8
2012/8/30 19:00	37.6	2.9	1.9	54.8	1.9	4.5	56.0	2.1	4.1
2012/8/30 20:00	37.6	2.2	1.9	54.8	1.9	4.0	56.0	1.8	3.8
2012/8/30 21:00	37.5	2.1	1.8	54.8	1.8	4.0	56.0	1.7	3.4
2012/8/30 22:00	37.5	2.0	1.7	54.8	1.8	4.0	56.0	1.5	3.1
2012/8/30 23:00	37.5	3.0	1.9	54.7	2.0	5.0	56.0	2.4	4.2
2012/8/31 0:00	37.5	3.0	2.0	54.7	2.0	5.0	56.0	2.5	4.5
2012/8/31 1:00	37.6	2.9	2.0	54.7	2.9	5.0	56.0	2.5	4.5
2012/8/31 2:00	37.6	2.8	2.0	54.6	1.8	5.0	56.0	2.3	4.5
2012/8/31 3:00	37.6	2.8	2.0	54.6	1.6	5.1	55.9	2.3	4.5
2012/8/31 4:00	37.6	3.1	2.2	54.6	2.0	5.0	55.9	2.5	4.5
2012/8/31 5:00	37.5	3.0	2.2	54.4	1.9	5.0	56.0	2.3	4.7
2012/8/31 6:00	37.6	3.0	2.2	54.4	1.7	5.1	56.0	2.3	4.7
2012/8/31 7:00	37.5	2.9	2.1	54.4	1.6	5.1	55.9	2.3	4.6
2012/8/31 8:00	37.5	2.8	2.0	54.3	2.2	4.9	55.9	2.4	4.4
2012/8/31 9:00	37.5	2.5	1.9	54.2	2.0	4.9	55.9	2.3	4.4
2012/8/31 10:00	37.5	3.0	2.1	54.2	2.0	4.9	55.9	2.3	4.3
2012/8/31 11:00	37.4	3.0	2.0	54.2	2.0	4.9	55.9	2.2	4.3
2012/8/31 12:00	37.4	2.8	1.9	54.1	1.9	4.9	55.8	2.7	4.4
2012/8/31 13:00	37.4	2.5	1.9	54.0	1.8	4.9	55.8	2.7	4.2
2012/8/31 14:00	37.4	2.1	1.2	54.0	2.2	5.0	55.9	2.5	4.5
2012/8/31 15:00	37.5	3.0	2.0	53.9	2.1	5.0	55.8	2.4	4.4
2012/8/31 16:00	37.4	2.9	2.0	53.9	2.1	5.0	55.9	2.3	4.5
2012/8/31 17:00	37.4	2.8	2.0	53.8	2.0	5.0	55.8	2.2	4.5
2012/8/31 18:00	37.4	2.7	2.0	53.7	2.0	5.0	55.7	2.2	4.5
2012/8/31 19:00	37.4	2.6	1.9	53.6	2.0	5.0	55.8	2.4	4.7
2012/8/31 20:00	37.4	3.0	2.0	53.5	2.0	5.0	55.8	2.1	4.8
2012/8/31 21:00	37.4	2.9	1.8	53.5	2.0	5.0	55.8	1.9	4.8
2012/8/31 22:00	37.4	2.7	1.7	53.4	1.9	5.2	55.8	1.8	4.9

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Date	Unit 1			Unit 2			Unit 3		
	VESSEL BOTTOM HEAD (TE- 263-69L1)	Amount of Water Injection (FDW)	Amount of Water Injection (CS)	VESSEL WALL ABOVE BOTTOM HEAD(TE- 2-3-69H3)	Amount of Water Injection (FDW)	Amount of Water Injection (CS)	RPV BOTTOM HEAD (TE- 2-3-69L1)	Amount of Water Injection (FDW)	Amount of Water Injection (CS)
		m ³ /h	m ³ /h		m ³ /h	m ³ /h		m ³ /h	m ³ /h
2012/8/31 23:00	37.4	3.0	2.0	53.3	1.7	4.8	55.8	2.2	4.5
2012/9/1 0:00	37.4	3.0	2.0	53.3	1.8	5.0	55.8	2.0	4.4
2012/9/1 1:00	37.4	2.9	1.8	53.2	1.6	5.0	55.7	2.0	4.2
2012/9/1 2:00	37.4	3.0	2.0	53.2	2.0	5.0	55.8	2.6	4.5
2012/9/1 3:00	37.3	2.9	1.9	53.1	1.9	5.0	55.7	2.5	4.5
2012/9/1 4:00	37.3	2.7	1.8	53.0	1.7	5.0	55.7	2.4	4.7
2012/9/1 5:00	37.3	2.5	1.7	53.0	1.7	5.0	55.8	2.3	4.3
2012/9/1 6:00	37.3	2.8	1.9	52.9	2.0	4.9	55.7	2.5	4.5
2012/9/1 7:00	37.2	3.0	2.0	52.9	2.0	5.1	55.7	2.5	4.5
2012/9/1 8:00	37.2	2.7	1.9	52.8	1.8	5.1	55.7	2.2	4.1
2012/9/1 9:00	37.2	2.8	1.9	52.7	1.8	5.1	55.7	2.2	4.0
2012/9/1 10:00	37.2	3.0	2.0	52.7	2.0	5.0	55.6	2.5	4.5
2012/9/1 11:00	37.2	3.0	1.9	52.6	1.9	5.0	55.6	2.4	4.4
2012/9/1 12:00	37.2	2.9	1.8	52.6	1.8	5.0	55.6	2.2	4.2
2012/9/1 13:00	37.2	2.9	1.7	52.6	1.8	5.0	55.6	2.2	4.1
2012/9/1 14:00	37.2	2.9	1.5	52.5	1.6	5.0	55.5	2.1	4.1
2012/9/1 15:00	37.2	3.0	2.0	52.5	2.0	5.0	55.4	2.4	4.5
2012/9/1 16:00	37.3	3.0	1.9	52.4	2.0	5.0	55.4	2.3	4.5
2012/9/1 17:00	37.3	3.0	1.8	52.4	1.9	5.0	55.3	2.3	4.4
2012/9/1 18:00	37.3	3.0	1.7	52.4	1.9	5.0	55.3	2.2	4.3
2012/9/1 19:00	37.2	3.0	1.7	52.3	1.9	5.0	55.3	2.2	4.3
2012/9/1 20:00	37.3	3.0	2.0	52.2	2.0	5.0	55.3	2.5	4.6
2012/9/1 21:00	37.3	3.0	2.0	52.2	1.9	5.0	55.3	2.3	4.4
2012/9/1 22:00	37.2	2.9	1.8	52.2	1.8	4.9	55.3	2.3	4.4
2012/9/1 23:00	37.2	3.0	1.8	52.1	1.8	5.0	55.2	2.3	4.3
2012/9/2 0:00	37.2	3.0	1.7	52.1	1.7	5.0	55.2	2.3	4.3
2012/9/2 1:00	37.2	3.0	1.7	52.1	1.6	5.0	55.2	2.3	4.3
2012/9/2 2:00	37.2	3.0	1.7	52.0	1.6	5.0	55.2	2.3	4.3
2012/9/2 3:00	37.3	2.9	1.7	52.0	1.6	5.0	55.2	2.3	4.3
2012/9/2 4:00	37.2	2.9	1.7	51.9	1.6	5.0	55.1	2.3	4.3
2012/9/2 5:00	37.2	2.9	1.6	51.9	1.6	5.0	55.1	2.3	4.3
2012/9/2 6:00	37.2	3.0	2.0	51.9	2.0	5.0	55.1	2.5	4.5
2012/9/2 7:00	37.2	2.9	2.0	51.9	2.1	5.0	55.1	2.4	4.5
2012/9/2 8:00	37.2	2.9	1.9	51.9	2.1	5.1	55.1	2.4	4.4
2012/9/2 9:00	37.2	2.8	1.9	51.8	2.0	5.0	55.0	2.2	4.3
2012/9/2 10:00	37.2	2.8	1.9	51.8	2.0	5.0	55.1	2.2	4.5
2012/9/2 11:00	37.2	2.8	1.8	51.8	2.0	5.0	55.0	2.0	4.5
2012/9/2 12:00	37.2	2.7	1.8	51.7	2.0	5.0	55.0	2.0	4.3
2012/9/2 13:00	37.2	2.6	1.8	51.6	2.0	5.0	55.0	2.0	4.3
2012/9/2 14:00	37.2	2.5	1.8	51.6	1.8	5.0	55.0	2.0	4.2
2012/9/2 15:00	37.2	2.9	2.0	51.7	2.0	5.0	55.0	2.5	4.5
2012/9/2 16:00	37.2	3.0	2.0	51.5	1.9	5.0	55.0	2.3	4.8
2012/9/2 17:00	37.2	3.0	1.9	51.5	1.8	5.1	54.9	2.3	4.8
2012/9/2 18:00	37.2	2.9	1.9	51.5	1.8	5.1	54.9	2.2	4.9

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Date	Unit 1			Unit 2			Unit 3		
	VESSEL BOTTOM HEAD (TE- 263-69L1)	Amount of Water Injection (FDW)	Amount of Water Injection (CS)	VESSEL WALL ABOVE BOTTOM HEAD(TE- 2-3-69H3)	Amount of Water Injection (FDW)	Amount of Water Injection (CS)	RPV BOTTOM HEAD (TE- 2-3-69L1)	Amount of Water Injection (FDW)	Amount of Water Injection (CS)
		m ³ /h	m ³ /h		m ³ /h	m ³ /h		m ³ /h	m ³ /h
2012/9/2 19:00	37.2	2.9	1.9	51.4	1.8	5.1	54.9	2.0	4.9
2012/9/2 20:00	37.2	2.9	1.8	51.4	1.8	5.1	54.9	2.1	4.9
2012/9/2 21:00	37.2	2.9	1.8	51.4	1.7	5.1	54.8	2.1	4.9
2012/9/2 22:00	37.2	2.9	1.7	51.3	1.7	5.1	54.8	2.1	4.9
2012/9/2 23:00	37.2	2.9	1.7	51.3	1.7	5.1	54.7	2.1	4.9
2012/9/3 0:00	37.1	2.9	1.7	51.3	1.6	5.1	54.7	2.1	4.9
2012/9/3 1:00	37.1	2.9	1.7	51.2	1.6	5.1	54.7	2.1	4.9
2012/9/3 2:00	37.2	2.9	1.7	51.1	1.6	5.1	54.7	2.0	4.9
2012/9/3 3:00	37.2	2.9	1.7	51.2	1.6	5.1	54.6	2.0	4.9
2012/9/3 4:00	37.1	2.9	1.6	51.1	1.6	5.1	54.6	2.0	4.9
2012/9/3 5:00	37.1	2.9	1.6	51.1	1.5	5.1	54.6	2.0	4.9
2012/9/3 6:00	37.1	2.9	1.6	51.0	1.5	5.1	54.5	2.0	4.9
2012/9/3 7:00	37.1	3.0	2.0	51.1	2.0	5.0	54.4	2.5	4.5
2012/9/3 8:00	37.1	3.0	2.0	51.0	2.0	5.0	54.3	2.4	4.5
2012/9/3 9:00	37.1	3.0	2.0	51.0	1.9	5.0	54.4	2.3	4.5
2012/9/3 10:00	37.1	3.0	2.0	51.0	1.9	5.0	54.3	2.3	4.5
2012/9/3 11:00	37.1	3.0	2.0	51.0	1.9	5.0	54.3	2.3	4.5
2012/9/3 12:00	37.1	3.1	2.0	50.9	1.8	5.0	54.3	2.3	4.5
2012/9/3 13:00	37.1	3.2	2.0	50.9	1.8	5.0	54.2	2.3	4.5
2012/9/3 14:00	37.1	3.2	2.0	50.9	1.8	5.0	54.2	2.3	4.5
2012/9/3 15:00	37.1	3.2	2.0	50.9	1.8	5.0	54.2	2.3	4.5
2012/9/3 16:00	37.1	3.2	2.0	50.9	1.8	5.0	54.1	2.3	4.5
2012/9/3 17:00	37.1	3.2	2.0	50.9	1.8	5.0	54.1	2.3	4.5
2012/9/3 18:00	37.1	3.2	2.0	51.0	1.8	5.0	54.0	2.3	4.5
2012/9/3 19:00	37.0	3.2	2.0	50.9	1.8	5.0	54.0	2.3	4.5
2012/9/3 20:00	37.0	3.2	2.0	50.9	1.8	5.0	53.9	2.3	4.5
2012/9/3 21:00	37.0	3.2	2.0	50.9	1.8	5.0	54.0	2.3	4.5
2012/9/3 22:00	37.0	3.2	2.0	50.9	1.8	5.0	54.0	2.3	4.5
2012/9/3 23:00	36.9	3.2	2.0	50.9	1.8	5.0	53.9	2.3	4.5
2012/9/4 0:00	36.9	3.2	2.0	51.0	1.8	5.0	53.9	2.3	4.5
2012/9/4 1:00	36.9	3.2	2.0	50.9	1.8	5.0	53.8	2.2	4.6
2012/9/4 2:00	36.9	3.2	2.0	50.9	1.8	5.0	53.8	2.2	4.6
2012/9/4 3:00	36.9	3.2	2.0	50.8	1.8	5.0	53.8	2.2	4.6
2012/9/4 4:00	36.8	3.2	2.0	50.8	1.7	5.0	53.8	2.2	4.6
2012/9/4 5:00	36.8	3.2	2.0	50.9	1.7	5.0	53.8	2.2	4.6
2012/9/4 6:00	36.8	3.1	2.0	50.8	1.7	5.0	53.8	2.2	4.5
2012/9/4 7:00	36.8	3.0	2.0	50.8	1.7	5.0	53.8	2.2	4.5
2012/9/4 8:00	36.8	3.0	2.0	50.8	1.7	5.0	53.7	2.1	4.5
2012/9/4 9:00	36.8	3.1	2.0	50.8	1.7	5.0	53.8	2.1	4.5
2012/9/4 10:00	36.8	3.1	2.0	50.7	1.6	5.0	53.8	2.1	4.5
2012/9/4 11:00	36.8	3.1	2.0	50.8	1.6	5.0	53.7	2.1	4.5
2012/9/4 12:00	36.8	3.1	2.0	50.8	1.6	5.0	53.7	2.1	4.4
2012/9/4 13:00	36.8	3.1	2.0	50.8	1.6	5.0	53.7	2.1	4.4
2012/9/4 14:00	36.8	3.1	2.0	50.7	1.6	5.0	53.7	2.1	4.4
2012/9/4 15:00	36.8	3.1	2.0	50.8	1.6	5.0	53.8	2.1	4.4
2012/9/4 16:00	36.8	3.1	2.0	50.8	1.6	5.0	53.8	2.1	4.4

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	VESSEL BOTTOM HEAD (TE- 263-69L1)	Amount of Water Injection (FDW)	Amount of Water Injection (CS)	VESSEL WALL ABOVE BOTTOM HEAD(TE- 2-3-69H3)	Amount of Water Injection (FDW)	Amount of Water Injection (CS)	RPV BOTTOM HEAD (TE- 2-3-69L1)	Amount of Water Injection (FDW)	Amount of Water Injection (CS)
		m ³ /h	m ³ /h		m ³ /h	m ³ /h		m ³ /h	m ³ /h
2012/9/4 17:00	36.8	3.1	2.0	50.9	1.6	5.0	53.7	2.1	4.4
2012/9/4 18:00	36.7	3.1	2.0	50.8	1.6	5.0	53.8	2.1	4.4
2012/9/4 19:00	36.7	3.1	2.0	50.7	1.6	5.0	53.8	2.1	4.4
2012/9/4 20:00	36.6	3.1	2.0	50.7	1.6	5.0	53.7	2.1	4.3
2012/9/4 21:00	36.5	3.1	2.0	50.7	1.6	5.0	53.7	2.1	4.3
2012/9/4 22:00	36.5	3.1	2.0	50.7	1.5	5.0	53.7	2.1	4.3
2012/9/4 23:00	36.4	3.1	2.0	50.8	1.4	5.0	53.7	2.1	4.3
2012/9/5 0:00	36.3	3.1	2.0	50.7	1.4	5.0	53.7	2.1	4.3
2012/9/5 1:00	36.3	3.1	2.0	50.6	1.4	5.0	53.7	2.1	4.3
2012/9/5 2:00	36.3	3.1	2.0	50.7	1.4	5.0	53.7	2.1	4.3
2012/9/5 3:00	36.2	3.1	2.0	50.6	1.4	5.0	53.6	2.1	4.3
2012/9/5 4:00	36.1	3.1	2.0	50.6	1.4	5.0	53.6	2.1	4.3
2012/9/5 5:00	36.1	3.1	2.0	50.7	1.4	5.0	53.6	2.1	4.3
2012/9/5 6:00	36.1	3.1	2.0	50.6	1.4	5.0	53.6	2.0	4.3
2012/9/5 7:00	36.0	3.0	1.9	50.6	1.3	5.0	53.6	2.0	4.3
2012/9/5 8:00	36.0	3.0	1.9	50.6	1.3	5.0	53.6	2.0	4.3
2012/9/5 9:00	36.0	3.0	1.8	50.6	1.3	5.0	53.6	2.0	4.3
2012/9/5 10:00	36.0	3.1	1.8	50.6	1.2	5.0	53.6	2.0	4.3
2012/9/5 11:00	36.0	3.1	1.9	50.6	2.0	5.0	53.8	2.5	4.5
2012/9/5 12:00	36.1	3.1	1.8	50.6	2.0	5.1	53.7	2.5	4.5
2012/9/5 13:00	36.1	3.1	1.9	50.6	2.0	5.1	53.6	2.5	4.5
2012/9/5 14:00	36.1	3.1	1.9	50.6	2.0	5.1	53.6	2.5	4.5
2012/9/5 15:00	36.1	3.1	1.9	50.6	2.0	5.1	53.6	2.4	4.5
2012/9/5 16:00	36.2	3.1	1.9	50.6	2.0	5.1	53.6	2.4	4.5