

Dates of each step concerning the progress are defined as follows:

- Removal → The date when detachment and exit of the equipment is completed
- Entry to power station → The date when entry to the relevant building within the premises is completed after factory repair (new production) of the equipment
- Installation → The date when all the equipment is installed on the mount
- Function check → The date when the equipment is checked and confirmed that the unit is recovered and functions as a system
(e.g.) For power panels, the date when starting to receive power supply; for facilities, the date when trial running after the system recovery (except for power supply) is conducted and confirmed there is no problem; etc.
- Switch to permanent installation → The date when switching from temporary installation to permanent installation (mainly for power supply)
- Planned completion of permanent installation → Planned date when permanent installation is completed (The completion day for completed equipment)

Fukushima Daini Nuclear Power Station Progress status based on Recovery Plan (as at the end of March 2012)

Unit 1

Legend: ■: Underway, inspection, repair ■: Completed ■: Not started ■: Outside of the scope
Write the date when finished (completed) □: Updated from the previous monthly report

Equipment		Work type	Removal	Entry to power station	Installation	Function check	Switch to permanent installation	Planned completion of permanent installation	Remarks
6.9 kV power system	C system	New production of power panel (M/C 1C)	2011/10/31	2012/3/15	2012/3/28			2012 1st Half	
	H system	New production of power panel (M/C 1HPCS)						2012 2nd Half	
480 V power system	C-1 system	New production of power panel (P/C 1C-1)	2011/12/7					2012 1st Half	
	C-2 system	New production of power panel (P/C 1C-2)	2011/11/11					2012 1st Half	
	D-2 system	New production of power panel (P/C 1D-2)	2011/12/14					2012 1st Half	
Emergency diesel generator	Control panel and related equipment	A system	New production					2012 2nd Half	
	Power generator		New production & repair	2011/8/29				2012 2nd Half	
	Diesel engine		Repair					2012 2nd Half	
	Auxiliary facility		New production & repair	2012/1/23				2012 2nd Half	
	Control panel and related equipment	H system	New production	2011/11/15				2012 2nd Half	
	Power generator		New production & repair	2011/10/19				2012 2nd Half	
	Diesel engine		Repair					2012 2nd Half	
	Auxiliary facility		New production & repair	2012/1/23				2012 2nd Half	

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Equipment		Work type	Removal	Entry to power station	Installation	Function check	Switch to permanent installation	Planned completion of permanent installation	Remarks
DC power supply	Battery charger	H system New production	2011/9/16					2012 2nd Half	
	Battery	H system New production	2011/6/3					2012 2nd Half	
Seismometer		New production & replacement						2012 2nd Half	
Low-pressure core spray system		Recovery of high-voltage power supply (M/C 1C) system and cables						2012 1st Half	
Residual heat removal system	A system	Recovery of high-voltage power supply (M/C 1C) system and cables				2011/11/17		2012 1st Half	
	C system	Recovery of high-voltage power supply (M/C 1C) system and cables						2012 1st Half	
Residual heat removal system cooling system	A system	Recovery of power supply (P/C 1C-2) system and cables		2011/10/26	23.10.27	2011/11/9		2012 2nd Half	
	B system	Recovery of power supply (P/C 1D-2) system and cables		2011/9/20	2011/9/21	2011/9/26		2012 1st Half	
	C system	Recovery of power supply (P/C 1C-2) system and cables						2012 2nd Half	
	D system	Recovery of power supply (P/C 1D-2) system and cables		2011/9/20	2011/9/20	2012/3/15		2012 1st Half	
Residual heat removal system cooling seawater system	A system	Recovery of power supply (P/C 1C-2) system and cables		2011/8/5	2011/11/2	2011/11/11		2012 2nd Half	
	B system	Recovery of power supply (P/C 1D-2) system and cables						2012 1st Half	
	C system	Recovery of power supply (P/C 1C-2) system and cables		2011/8/5				2012 2nd Half	
	D system	Recovery of power supply (P/C 1D-2) system and cables			2012/1/6	2012/1/12		2012 1st Half	
Emergency diesel generator cooling system	A system	Recovery of power supply (P/C 1C-2) system and cables		2011/10/26	2011/10/27	2011/11/4		2012 2nd Half	
	B system	Recovery of power supply (P/C 1D-2) system and cables		2011/11/22	2011/11/25	2011/11/26		2012 1st Half	

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Equipment		Work type	Removal	Entry to power station	Installation	Function check	Switch to permanent installation	Planned completion of permanent installation	Remarks
Reactor water cleanup system	A system	Recovery of power supply (P/C 1C-1) system and cables, and permanent installation of purge line						2012 2nd Half	
	B system	Permanent installation of purge line						2012 1st Half	
High-pressure core spray system		Recovery of high-voltage power supply (M/C 1HPCS) system and cables						2012 2nd Half	
High-pressure core spray system closed cooling system		Recovery of high-voltage power supply (M/C 1HPCS) system and cables						2012 2nd Half	
High-pressure core spray system closed cooling seawater system		Recovery of high-voltage power supply (M/C 1HPCS) system and cables						2012 2nd Half	
Reactor auxiliary cooling system	A system	Recovery of power supply (P/C 1C-2) system and cables						2012 2nd Half	
	B system	Recovery of power supply (P/C 1D-2) system and cables		2011/7/2	2011/7/4	2011/7/14		2012 1st Half	
Condensate water makeup system	A system	Recovery of power supply (P/C 1C-1) system and cables						2012 2nd Half	
Standby gas treatment system	A system	Recovery of power supply (P/C 1C-1) system and cables						2012 2nd Half	

*Purge line: Seal water line of reactor water cleanup system pump

*MC: Metal-Clad Switch Gear

Power panel used for in-plant high voltage circuit, which is compact storage of magnetic or vacuum circuit breaker, protective relay, and ancillary meters.

* P/C: Power Center

Power panel used for in-plant low-voltage circuit, which is compact storage of air circuit breaker (ACB), protective relay, and ancillary meters.

Current progress rate is **30%** (Previous month 28%)

Note: Progress rate = (Number of completion columns)/(Total columns from removal to permanent installation - Number of columns in scope) x 100

Fukushima Daini Nuclear Power Station Progress status based on Recovery Plan (as at the end of March 2012)

Unit 2

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Equipment	Work type	Removal	Entry to power station	Installation	Function check	Switch to permanent installation	Planned completion of permanent installation	Remarks
480 V power system	C-2 system	New production of power panel (P/C 2C-2)					2012 2nd Half	
	D-2 system	New production of power panel (P/C 2D-2)					2012 2nd Half	
Residual heat removal system cooling system	A system	Recovery of power supply (P/C 2C-2) system and cables			2011/8/6		2012 2nd Half	
	B system	Recovery of power supply (P/C 2D-2) system and cables			2011/3/14		2012 2nd Half	
	C system	Recovery of power supply (P/C 2C-2) system and cables					2012 2nd Half	
	D system	Recovery of power supply (P/C 2D-2) system and cables			2011/3/24		2012 2nd Half	
Residual heat removal system cooling seawater system	A system	Recovery of power supply (P/C 2C-2) system and cables		2011/7/28	2011/7/28	2011/8/6	2012 2nd Half	
	B system	Recovery of power supply (P/C 2D-2) system and cables		2012/3/1			2012 2nd Half	
	C system	Recovery of power supply (P/C 2C-2) system and cables		2011/8/2			2012 2nd Half	
	D system	Recovery of power supply (P/C 2D-2) system and cables		2011/9/12	2011/9/12	2011/10/12	2012 2nd Half	
Emergency diesel generator cooling system	A system	Recovery of power supply (P/C 2C-2) system and cables		2011/7/26	2011/7/26	2011/8/3	2012 2nd Half	
	B system	Recovery of power supply (P/C 2D-2) system and cables				2011/3/14	2012 2nd Half	
Reactor auxiliary cooling system	A system	Recovery of power supply (P/C 2C-2) system and cables					2012 2nd Half	
	B system	Recovery of power supply (P/C 2D-2) system and cables		2011/6/28	2011/6/28	2011/7/12	2012 2nd Half	
Reactor water cleanup system	A system	Permanent installation of purge line					2012 1st Half	
	B system	Permanent installation of purge line					2012 1st Half	
High-pressure core spray system closed cooling seawater system	New production of motor	2011/9/2					2012 1st Half	

*Purge line: Seal water line of reactor water cleanup system pump

* P/C: Power Center
 Power panel used for in-plant low-voltage circuit, which is compact storage of air circuit breaker (ACB), protective relay, and ancillary meters.

Current progress rate is **35%** (Previous month 35%)

Note: Progress rate = (Number of completion columns)/(Total columns from removal to permanent installation - Number of columns in scope) x 100

Fukushima Daini Nuclear Power Station Progress status based on Recovery Plan (as at the end of March 2012)

Unit 3

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Equipment		Work type	Removal	Entry to power station	Installation	Function check	Switch to permanent installation	Planned completion of permanent installation	Remarks
480 V power system	C-2 system	New production of power panel (P/C 3C-2)	2011/9/15	2012/1/26	2012/1/27			2012 1st Half	
Residual heat removal system cooling system	A system	Recovery of power supply (P/C 3C-2) system and cables		2011/8/2	2011/8/3	2011/8/26		2012 1st Half	
	C system	Recovery of power supply (P/C 3C-2) system and cables		2011/8/29	2011/8/30	2011/9/9		2012 1st Half	
Residual heat removal system cooling seawater system	A system	Recovery of power supply (P/C 3C-2) system and cables		2011/8/24	2011/8/24	2011/8/30		2012 1st Half	
	C system	Recovery of power supply (P/C 3C-2) system and cables		2011/9/5	2011/9/7	2011/9/14		2012 1st Half	
Emergency diesel generator cooling system	A system	Recovery of power supply (P/C 3C-2) system and cables		2011/8/2	2011/8/3	2011/8/23		2012 1st Half	
Reactor water cleanup system	A system	Permanent installation of purge line						2012 1st Half	
	B system	Permanent installation of purge line						2012 1st Half	

*Purge line: Seal water line of reactor water cleanup system pump

* P/C: Power Center

Power panel used for in-plant low-voltage circuit, which is compact storage of air circuit breaker (ACB), protective relay, and ancillary meters.

Current progress rate is **69%** (Previous month 69%)

Note: Progress rate = (Number of completion columns)/(Total columns from removal to permanent installation - Number of columns in scope) x 100

Fukushima Daini Nuclear Power Station Progress status based on Recovery Plan (as at the end of March 2012)

Unit 4

Legend: ■: Underway, inspection, repair ■: Completed ■: Not started ■: Outside of the scope

Equipment		Work type	Removal	Entry to power station	Installation	Function check	Switch to permanent installation	Planned completion of permanent installation	Remarks
480 V power system	C-2 system	New production of power panel (P/C 4C-2)	2011/9/7	2011/12/2	2011/12/9	2012/1/30		2012/1/30	
	D-2 system	New production of power panel (P/C 4D-2)	2011/9/30	2012/2/28	2012/3/8	2012/3/23		2012/3/23	
Residual heat removal system cooling system	A system	Recovery of power supply (P/C 4C-2) system and cables		2011/7/8	2011/7/8	2011/7/25	2012/2/24	2012/2/24	
	B system	Recovery of power supply (P/C 4D-2) system and cables		2011/7/5	2011/7/5	2011/7/7		2012 1st Half	
	C system	Recovery of power supply (P/C 4C-2) system and cables						2012 1st Half	
	D system	Recovery of power supply (P/C 4D-2) system and cables		2011/9/5	2011/9/5	2011/9/29		2012 1st Half	
Residual heat removal system cooling seawater system	A system	Recovery of power supply (P/C 4C-2) system and cables		2011/7/27	2011/7/27	2011/8/2	2012/2/24	2012/2/24	
	B system	Recovery of power supply (P/C 4D-2) system and cables		2011/9/7	2011/9/7	2011/9/21		2012 1st Half	
	C system	Recovery of power supply (P/C 4C-2) system and cables		2011/7/27				2012 1st Half	
	D system	Recovery of power supply (P/C 4D-2) system and cables						2012 1st Half	
Emergency diesel generator cooling system	A system	Recovery of power supply (P/C 4C-2) system and cables		2011/7/8	2011/7/8	2011/7/21	2012/2/24	2012/2/24	
	B system	Recovery of power supply (P/C 4D-2) system and cables				2011/3/14		2012 1st Half	
Reactor water cleanup system	A system	Permanent installation of purge line						2012 1st Half	
	B system	Permanent installation of purge line						2012 1st Half	

*Purge line: Seal water line of reactor water cleanup system pump

* P/C: Power Center
Power panel used for in-plant low-voltage circuit, which is compact storage of air circuit breaker (ACB), protective relay, and ancillary meters.

Current progress rate is **64%** (Previous month 60%)

Note: Progress rate = (Number of completion columns)/(Total columns from removal to permanent installation - Number of columns in scope) x 100

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Common facilities

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Equipment		Work type	Removal	Entry to power station	Installation	Function check	Switch to permanent installation	Planned completion of permanent installation	Remarks
Outlet monitor	Units 1& 2	New production & replacement						2012 2nd Half	
	Units 3& 4	New production & replacement						2012 1st Half	

Current progress rate is **0%** (Previous month 0%)

Note: Progress rate = (Number of completion columns)/(Total columns from removal to permanent installation - Number of columns in scope) x 100