

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 February 2012)

Unit 1

Legend: : Underway, inspection, repair : Completed : Not started : Outside of the scope
Write the date when finished (completed)

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 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		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 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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Unit 1

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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		Recovery of power supply (P/C 1C-1) system and cables						2012 2nd Half	
Standby gas treatment 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 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 February 2012)

Unit 2

Legend: : Underway, inspection, repair : Completed : Not started : Outside of the scope
Write the date when finished (completed)

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%**
 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 February 2012)

Unit 3

Legend: : Underway, inspection, repair : Completed : Not started : Outside of the scope
Write the date when finished (completed)

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%

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 February 2012)

Unit 4

Legend: : Underway, inspection, repair : Completed : Not started : Outside of the scope
Write the date when finished (completed)

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				2011 2nd Half	
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 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

Legend: : Underway, inspection, repair : Completed : Not started : Outside of the scope
Write the date when finished (completed)

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%**

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