Progress milestone dates are defined as follows:

Removal: The date when an equipment is removed

Entry to power station: The date when an equipment is carried into the relevant building within the premises after repair/production Installation: The date when all the equipments are installed on the mount

Function check: The date when an equipment is checked and confirmed that the unit is recovered and functions as a system (e.g.) For power panels, the date when they start receiving power supply; for facilities, the date when trial running after system recovery (except for power supply) is conducted and confirmed that there is no problem; etc.

Switch to permanent installation: The date of 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 date for equipments that have already completed the permanent installation)

Fukushima Daini Nuclear Power Station: Progress Status Based on the Recovery Plan (As of the End of July 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	Internal inspection	
6.9 k\/ nov	wer system	C system	New production of power panel (M/C 1C)	2011/10/31	2012/3/15	2012/3/28			2012 1st half		
0.9 KV po	6.9 kV power system H system		New production of power panel (M/C 1HPCS)						2012 2nd half		
	C-1 syster		New production of power panel (P/C 1C-1)	2011/12/7	2012/4/13	2012/4/19			2012 2nd half*1		
480 V power system		C-2 system	New production of power panel (P/C 1C-2)	2011/11/11	2012/7/3	2012/7/10			2012 2nd half*1		
	I		New production of power panel (P/C 1D-2)	2011/12/14	2012/6/12	2012/6/18			2012 2nd half*1		
٥	Control panel and related equipment		New production						2012 2nd half		
erat	Power generator		New production & repair	2011/8/29					2012 2nd half		
gen	Power generator Diesel engine Auxiliary facility Control panel and related equipmen Power generator Diesel engine Diesel engine Diesel engine	-	Repair						2012 2nd half		
ese	Auxiliary facility		New production & repair	2012/1/23					2012 2nd half		
ë	Control panel and related equipment		New production	2011/11/15					2012 2nd half		
genc	Power generator	H system	New production & repair	2011/10/19					2012 2nd half		
merç	Diesel engine		Repair						2012 2nd half		
	Auxiliary facility		New production & repair	2012/1/23					2012 2nd half		
DC	Battery charger		New production	2011/9/16					2012 2nd half		
power supply Battery		H system	New production	2011/6/3					2012 2nd half		
Seismom	eter		New production & replacement		2012/6/1	2012/6/13			2012 2nd half		
Low-press	sure core spray system		Recovery of high-voltage power supply (M/C 1C) system and cables						2012 2nd half*1		

Fukushima Daini Nuclear Power Station: Progress Status Based on the Recovery Plan (As of the End of July 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	Internal inspection		
Residual heat removal system	A system	Recovery of high-voltage power supply (M/C 1C) system and cables				2011/11/17		2012 2nd half*1			
,	C system	Recovery of high-voltage power supply (M/C 1C) system and cables						2012 2nd half*1			
	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			
Residual heat removal system cooling system	B system	Recovery of power supply (P/C 1D-2) system and cables		2011/9/20	2011/9/21	2011/9/26		2012 2nd half*1			
	C system	Recovery of power supply (P/C 1C-2) system and cables		2012/5/22	2012/5/22	2012/7/24		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 2nd half*1			
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			2012/4/5	2012/4/12		2012 2nd half*1			
	C system	Recovery of power supply (P/C 1C-2) system and cables		2011/8/5	2012/5/15			2012 2nd half			
	D system	Recovery of power supply (P/C 1D-2) system and cables			2012/1/6	2012/1/12		2012 2nd half*1			
	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			
Emergency diesel generator cooling system	B system	Recovery of power supply (P/C 1D-2) system and cables		2011/11/22	2011/11/25	2011/11/26		2012 2nd half*1			
Reactor water cleanup system	A system	Recovery of power supply (P/C 1C-1) system and cables, and permanent installation of						2012 2nd half			
reductor water distantap system	B system	Permanent installation of purge line						2012 2nd half*1			
High-pressure core spray system		1HPCS) system and cables						2012 2nd half			
High-pressure core spray system closed cooling s	system	Recovery of high-voltage power supply (M/C						2012 2nd half			
High-pressure core spray system closed cooling s system	and cables, and permanent installation of B system Permanent installation of purge line Recovery of high-voltage power supply (M/C 1HPCS) system and cables em closed cooling system Recovery of high-voltage power supply (M/C 1HPCS) system and cables em closed cooling seawater Recovery of high-voltage power supply (M/C 1HPCS) system and cables Recovery of high-voltage power supply (M/C 1HPCS) system and cables Recovery of high-voltage power supply (M/C 1HPCS) system and cables										
	A system	Recovery of power supply (P/C 1C-2) system and cables		2012/6/12	2012/6/13	2012/6/19		2012 2nd half			
Reactor auxiliary cooling system	B system	Recovery of power supply (P/C 1D-2) system and cables		2011/7/2	2011/7/4	2011/7/14		2012 2nd half*1			
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			

^{*} 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 44% (Previous month: 41%)

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

* At the internal inspection after the permanent installation, the equipments subject to the Recovery Plan will be tested.

^{*} Purge line: Seal water line of reactor water cleanup system pump

^{*1} The planned completion of permanent installation has been changed to "2012 2nd half" according to the changes made to the restoration plan.

2012 2nd half*

2012 1st half

Fukushima Daini Nuclear Power Station: Progress Status Based on the Recovery Plan (As of the End of July 2012)

Unit 2 Equipment		Legend: : Underway, inspection, repair : Completed : Not started : Outside of the scope Write the date when finished (completed) : Updated from the previous monthly report									
		Work type	Removal	Entry to power station	Installation	Function check	Switch to permanent installation	Planned completion of permanent installation	Internal inspection		
480 V power system	C-2 system	New production of power panel (P/C 2C-2)	2012/6/13					2012 2nd half			
Too v power system	D-2 system	New production of power panel (P/C 2D-2)	2012/7/6					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			
	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			
Residual heat removal system cooling seawater	B system	Recovery of power supply (P/C 2D-2) system and cables		2012/3/1				2012 2nd half			
system	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			
	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			
Emergency diesel generator cooling system	B system	Recovery of power supply (P/C 2D-2) system and cables				2011/3/14		2012 2nd half			
	A system	Recovery of power supply (P/C 2C-2) system and cables		2012/6/5	2012/6/5	2012/6/14		2012 2nd half			
Reactor auxiliary cooling system	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			
	A system	Permanent installation of purge line						2012 2nd half*1			

2011/9/2

Reactor water cleanup system

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

system

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

High-pressure core spray system closed cooling seawater

Current progress rate is 46% (Previous month: 43%)

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

- * At the internal inspection after the permanent installation, the equipments subject to the Recovery Plan will be tested.
- * Progress rate is the same as the previous month because there was no change in each step. However, the recovery tasks are proceeding steadily.

Permanent installation of purge line

New production of motor

^{*} MC: Metal-Clad Switch Gear

^{*} Purge line: Seal water line of reactor water cleanup system pump

^{*1} The planned completion of permanent installation has been changed to "2012 2nd half" according to the changes made to the restoration plan.

^{*2} The status has been changed from "Not started" to "Outside of the scope" according to the revised definition of each step of progress.

2012 1st half

2012 1st half

Fukushima Daini Nuclear Power Station: Progress Status Based on the Recovery Plan (As of the End of July 2012)

Unit 3		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	Internal inspection	
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		
Pacidual host 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		
Residual heat removal system cooling system	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	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		
seawater system	L. SVSTAM	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	I A System	Recovery of power supply (P/C 3C-2)		2011/8/2	2011/8/3	2011/8/23		2012 1st half		

Reactor water cleanup system

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

A system Permanent installation of purge line

B system Permanent installation of purge line

* 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

^{*} MC: Metal-Clad Switch Gear

^{*} Purge line: Seal water line of reactor water cleanup system pump

^{*} At the internal inspection after the permanent installation, the equipments subject to the Recovery Plan will be tested.

^{*} Progress rate is the same as the previous month because there was no change in each step. However, the recovery tasks are proceeding steadily.

Fukushima Daini Nuclear Power Station: Progress Status Based on the Recovery Plan (As of the End of July 2012)

Unit 4

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

Write the date when finished (completed) : Updated from the previous monthly report

Offit 4		, , , , , , , , , , , , , , , , , , , ,									
Equipment		Work type	Removal	Entry to power station	Installation	Function check	Switch to permanent installation	Planned completion of permanent installation	Internal inspection		
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	2010/5/15		
	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	2010/5/16		
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	2010/5/15		
	B system	Recovery of power supply (P/C 4D-2) system and cables		2011/7/5	2011/7/5	2011/7/7	2012/4/11	2012/4/11	2010/5/16		
	C system	Recovery of power supply (P/C 4C-2) system and cables		2012/4/19	2012/4/19	2012/4/26	2012/4/26	2012/4/26	2010/5/15		
	D system	Recovery of power supply (P/C 4D-2) system and cables		2011/9/5	2011/9/5	2011/9/29	2012/4/12	2012/4/12	2010/5/16		
	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	2010/5/15		
Residual heat removal system cooling seawater	B system	Recovery of power supply (P/C 4D-2) system and cables		2011/9/7	2011/9/7	2011/9/21	2012/4/11	2012/4/11	2010/5/16		
system	C system	Recovery of power supply (P/C 4C-2) system and cables		2011/7/27	2012/4/18	2012/4/26	2012/4/26	2012/4/26	2010/5/15		
	D system	Recovery of power supply (P/C 4D-2) system and cables		2012/4/17	2012/4/17	2012/4/25	2012/4/25	2012/4/25	2010/5/16		
Emergency diocal 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	2010/5/15		
Emergency diesel generator cooling system	B system	Recovery of power supply (P/C 4D-2) system and cables				2011/3/14	2012/4/12	2012/4/12	2010/5/16		
Reactor water cleanup system	A system	Permanent installation of purge line					2012/5/11	2012/5/11	2010/5/17		
	B system	Permanent installation of purge line					2012/5/17	2012/5/17	2010/5/17		

^{*} 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.

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

Restoration completed on May 17 (Progress rate: 100%)

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

* At the internal inspection after the permanent installation, the equipments subject to the Recovery Plan will be tested.

Fukushima Daini Nuclear Power Station Progress status based on Recovery Plan (As of the end of July 2012)

Common facilities		Legend: : Underway, inspection, repair : Completed : Not started : Outside of the 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
Outlet monitor	Units 1& 2	New production & replacement						2012 2nd half	
Outet monitor	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

* At the internal inspection after the permanent installation, the equipments subject to the Recovery Plan will be tested.