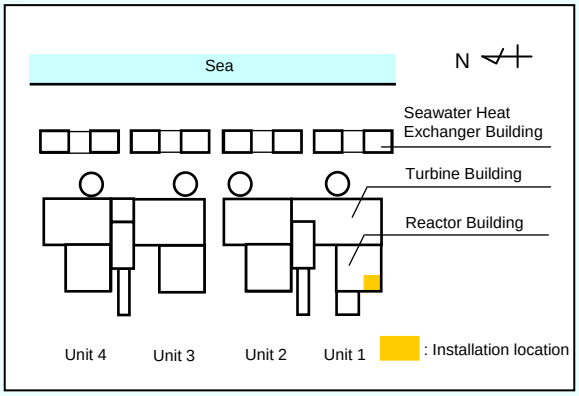
Carry-in completion of a power panel (M/C 1HPCS) in Unit 1 Reactor Building Annex (October 24)

The power panel (M/C 1HPCS) damaged by the Tsunami in Unit 1 Reactor Building Annex was replaced with a newly manufactured power panel and has been carried into the building on October 24.



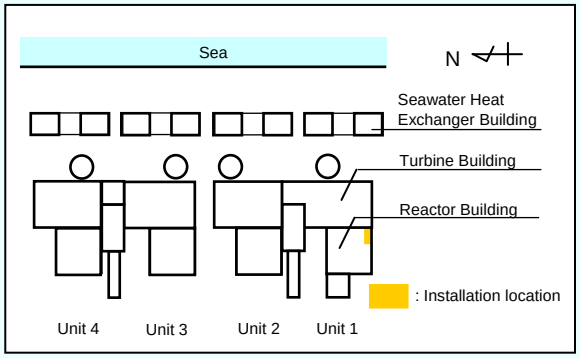
1. Power panel being lifted up by a crane car
(Photo taken on October 24, 2012)

2. Power panel being carried into the building
(Photo taken on October 24, 2012)

3. Power panel (M/C 1HPCS) being carried into the building (Carry-in completed on October 24)
(Photo taken on October 24, 2012)

Permanent installation of a power panel (P/C 1C-1) in Unit 1 Reactor Building Annex (October 29)

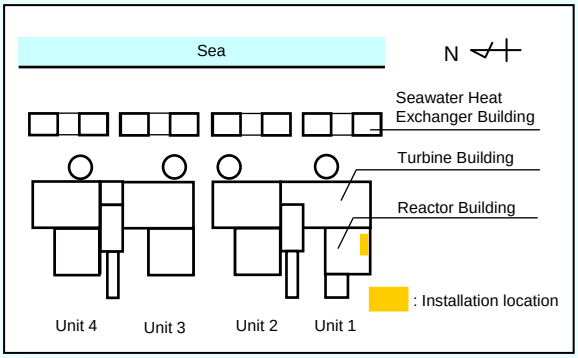
The power panel (P/C 1C-1) damaged by the Tsunami in Unit 1 Reactor Building Annex has been permanently installed after a functional check completed on October 29.

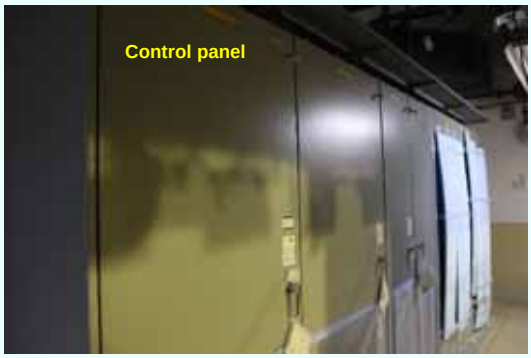


Functional check (Completed on October 29, 2012)
(Photo taken on October 29, 2012)

Installation of the control panel of the emergency diesel generator (A) in Unit 1 Reactor Building Annex (October 1)

The control panel of the emergency diesel generator (A) damaged by the Tsunami in Unit 1 Reactor Building Annex was newly manufactured and has been installed on October 1.

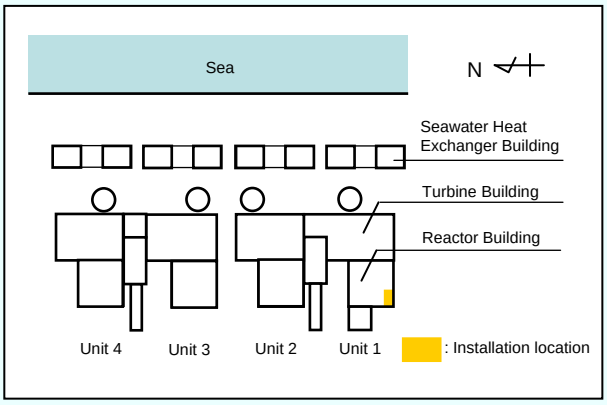


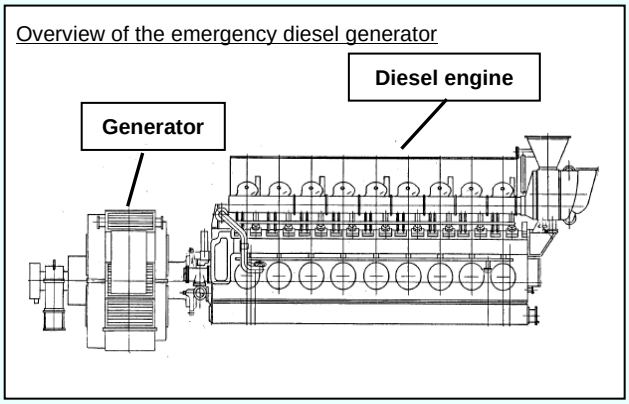


Control panel installation (Completed on October 1, 2012)
(Photo taken on October 19, 2012)

Carry-in completion of the emergency diesel generator (H) in Unit 1 Reactor Building Annex (October 18)

The emergency diesel generator* (H) damaged by the Tsunami in Unit 1 Reactor Building Annex was newly manufactured and has been carried into the building on October 18.
* A generator is comprised of rotor coil (rotates utilizing the power provided by the diesel engine) which generates a magnetic field necessary for power generation and stator coil through which the generated power goes through.
Generator rotor: Rotates utilizing the power provided by the diesel engine. Generates a magnetic field by the excitation current applied through the rotor (rotating magnetic field).
Generator stator: Coil fixed around the generator rotor. Generates power utilizing the rotating magnetic field generated by the rotor.



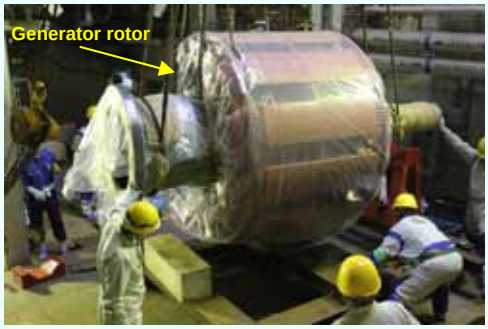


Carry-in of the generator rotor/stator

Generator stator being lifted up by a crane car
(Photo taken on October 15, 2012)

Generator stator being carried into the building
[Carry-in completed on October 15, 2012]
(Photo taken on October 15, 2012)

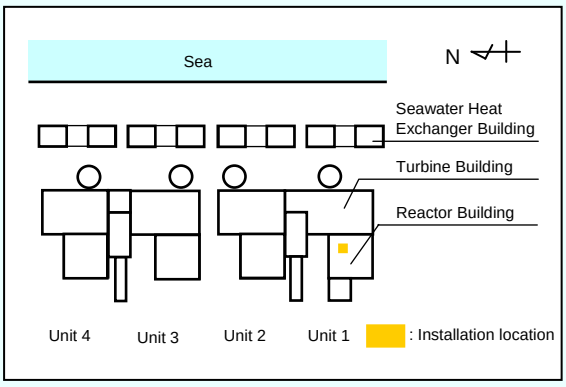
Generator rotor being lifted up by a crane car
(Photo taken on October 18, 2012)

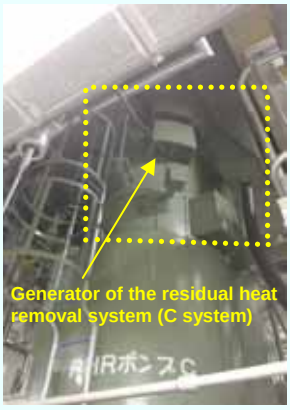


Generator rotor being carried into the building
[Carry-in completed on October 18, 2012]
(Photo taken on October 18, 2012)

Permanent installation of the generator of the residual heat removal system (C system) in Unit 1 Reactor Building (October 22)

Since the power panel (M/C 1C) was restored on September 27 and the power supply to the generator of the residual heat removal system (A system) has been secured, the power supply which had been provided to the residual heat removal system (A system) has been put back to the residual heat removal system (C system). As a result of a trial operation of the generator performed on October 22, no problem was found with its operation.

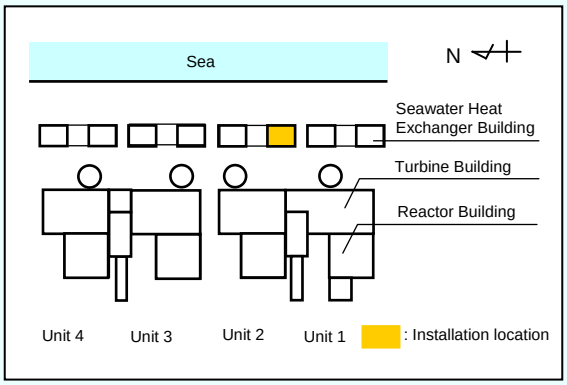




Generator of the residual heat removal system (C system)
[Functional check completed on October 22, 2012]
(Photo taken on October 29, 2012)

Carry-in and Installation of a power panel (P/C 2D-2) in Unit 2 Seawater Heat Exchanger Building (October 29)

The power panel (P/C 2D-2) damaged by the Tsunami in Unit 2 Seawater Heat Exchanger Building was newly manufactured and has been carried in and installed on October 29.



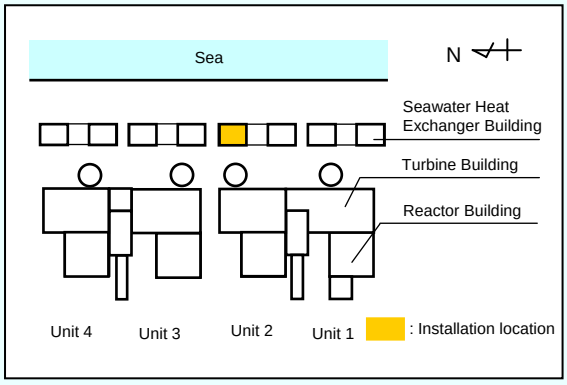
Power panel being lifted up by a crane car
(Photo taken on October 16, 2012)

Power panel being carried in
(Photo taken on October 16, 2012)

Power panel (P/C 2D-2) installation completed on October 29, 2012
(Photo taken on October 29, 2012)

Permanent installation of the high-pressure reactor core spray system component cooling seawater system in Unit 2 Seawater Heat Exchanger Building (October 11)

The generator of the high-pressure reactor core spray system component cooling seawater system damaged by the Tsunami in Unit 2 Seawater Heat Exchanger Building was newly manufactured and has been carried in and installed on October 3. As a result of a trial operation completed on October 11, no problem was found with its operation.

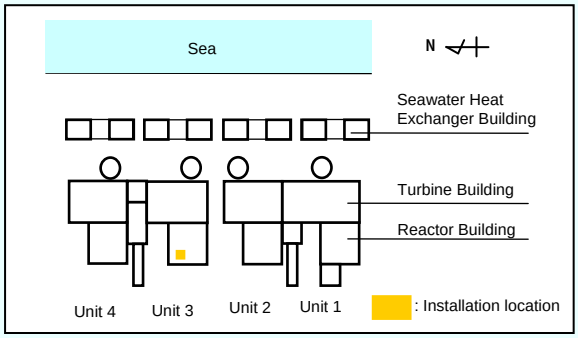


Functional check after the generator installation
(Vibration measurement during trial operation)
[Permanent installation completed on October 11, 2012]
(Photo taken on October 11, 2012)

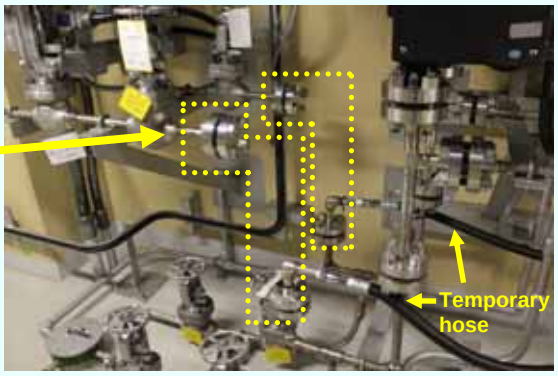
Permanent installation of Unit 3 reactor coolant purification system purge line (A system, B system) (October 11)

As for Unit 3 reactor coolant purification system*1 purge line*2 (A system, B system), the temporary hose was replaced with the permanent pipe on October 11. As a result of a water passing test, no problem was found with its operation.

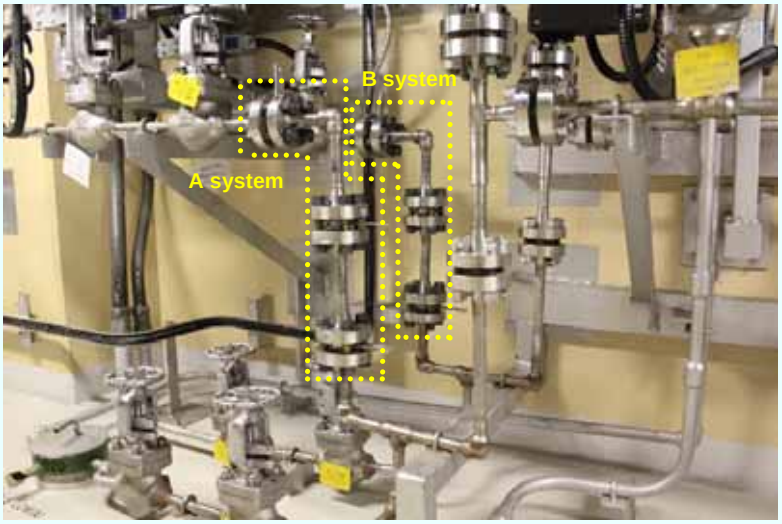
*1 A system to remove impurities from the reactor water to maintain its quality. Also used for controlling the reactor water level by discharging excessive water.
*2 Water injection line for the reactor coolant purification system circulating pump



Reactor coolant purification system purge line connected with a temporary hose (Photo taken on July 6, 2012)



Reactor coolant purification system purge line connected with a temporary hose (Enlarged image) (Photo taken on July 6, 2012)



Purge line (A system, B system) after being switched to the permanent pipe [Completed on October 11, 2012]
(Photo taken on October 29, 2012)