Unit 4 Spent Fuel Pool Alternative Cooling System
Suspended at Fukushima Daiichi Nuclear Power Station
(Occurred on June 30, 2012)

Unit 4 SFP Circulation Cooling System

Skimmer surge tank
Check valve
Check valve
Water injection
Flowmeter (Exit)
Heat exchanger unit
Primary system pump
Primary system
Strainer
Heat exchanger
Surge tank
Air fin cooler
Secondary system pump
Secondary system temporary line
External water injection line

Existing line
Primary system temporary line
Secondary system temporary line
External water injection line
Upon investigation, it was confirmed that a system trip occurred as a result of UPS failure causing the loss of power supply to the monitoring instrument. The cooling system was recovered by supplying power to the monitoring instrument through a bypass. After replacing the failed UPS, power supply through UPS will be recovered.