

1.a. Function of Alternative Water Injection to Reactors and Spent Fuel Pools

Before revision

Maximum Load Capacity of Make-up Water Condensate and Fuel Pool Cooling and Filtering System
(Colored cells indicate system/equipment that are in operation at the moment of the maximum load)

System/Equipment	Unit 1 (in operation)		Unit 2 (during a regular inspection, no fuel loaded in the reactor)		Unit 3 (during a regular inspection, no fuel loaded in the reactor)		Unit 4 (during a regular inspection, no fuel loaded in the reactor)		Unit 5 (in operation)		Unit 6 (in operation)		Unit 7 (in operation)	
	Load (kW)	Maximum Load (kW)	Load (kW)	Maximum Load (kW)	Load (kW)	Maximum Load (kW)	Load (kW)	Maximum Load (kW)	Load (kW)	Maximum Load (kW)	Load (kW)	Maximum Load (kW)	Load (kW)	Maximum Load (kW)
Reactor Core Isolation Cooling System		-	-	-		-	-	-		-		-		-
Light	100	40	40	40	100	40	40	40	78	43	115	36	103	28
Measurement Facility														
Make-up Water Condensate Pump	55	55	-	-	55	55	-	-	55	55	55	55	55	55
Stand-by Liquid Control System Pump	37	-	-	-	37	-	-	-	45	-	45	-	45	-
Clean-up Water System Pump	120	120	-	-	90	90	-	-	90	90	90	90	90	90
Fuel Pool Cooling and Filtering System Pump	70	70	60	60	60	60	75	75	75	75	90	90	110	110
Fuel Pool Make-up Water System Pump (Units 1 to 5) Suppression Pool Water Clean-up System Pump (Unit 6 and 7)	15	-	15	-	15	-	15	-	15	-	95	-	110	-
Reactor Building Cooling Water System Pump	55	55	-	-	-	-	-	-	-	-	-	-	-	-
Paging (Unit 1 and 2) Communication Equipment (Units 3 to 7)	30	30	Shared with those of Unit 1		30	30	30	30	35	35	30	30	30	30
Required Load*	-	370	-	100	-	275	-	145	-	298	-	301	-	313
Equipped Power Supply	500kVA of power source car		195kVA of generator		450kVA of generator		195kVA of generator		500kVA of power source car		500kVA of power source car		500kVA of power source car	

*We will select loads of equipment/system not to exceed the capacity of equipped power when we start up pumps.

1.b. Freshwater Transfer Function

Maximum Load Capacity of Pure Water Transfer Pump etc.

Pure Water Transfer Pump	30kW for Unit 1 and 2	30kW for Unit 3 and 4	37kW for Units 5 to 7
Equipped Power Supply	125kVA of generator		195kVA of generator