BWR Totals

SYSTEM	DESIGN INFORMATION																	
For underground piping segments in the system:	One or more underground segments?	Safety Related?	Contains Licensed Radioactive Material?	Contains Environ-mentally Hazardous Material?	Predominant material on the exterior side of the piping. Enter "1" for all that apply								Piping Classes Enter a "1" for all that apply				Subjected to Sec XI quarterly O&M flow tests?	Comments, including piping materials "C" or "O"
System	1 or blank	1,0	1,0	1,0	AL	CU	C*	FE	O*	P	S	SS	1	2	3HE	3	1,0	
Typical Underground Systems																		
Aux./Emergency Feedwater System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Auxiliary Steam System	3	0	3	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
Carbon Dioxide (CO2) Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chilled Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Closed/Component Cooling Water System	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0
Cooling Tower Blowdown	6	0	4	2	0	0	2	0	1	0	4	1	0	0	0	0	0	0
Condensate System	17	3	17	5	2	0	1	1	0	0	11	9	0	0	0	2	3	0
Condensate Demineralizer System	2	1	1	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0
Condensate and Feedwater Chem. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CVC/Makeup and Purification Sys. (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demin. Water Storage and Transfer Sys.	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Diesel Fuel Oil System	30	17	1	30	0	0	0	5	2	0	25	1	0	0	0	3	1	0
Diesel Lube Oil System	6	1	0	6	0	0	0	3	0	0	3	0	0	0	0	0	0	0
Equipment and Floor Drains System	9	0	7	4	0	1	0	3	3	2	5	3	0	0	0	0	0	0
Emergency/Standby Gas Treatment System	12	8	9	0	1	0	0	0	0	0	11	0	0	1	0	1	1	0
Essential Service Water System	27	27	0	2	0	0	1	5	1	0	21	1	0	1	0	22	24	0
Essential Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feedwater System	3	0	3	1	0	0	0	0	0	0	2	1	0	0	0	0	0	0
Fire Protection System (Water)	3	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
Fire Protection System (Chemical)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fuel Oil Storage and Transfer System	20	5	2	20	0	1	1	5	1	2	15	0	0	0	0	1	0	0
Gaseous Waste Management System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High Pressure Core Spray System (BWR)	9	7	8	3	1	0	0	0	0	0	2	7	0	2	0	3	5	0
HPSI System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrogen Supply System	2	0	0	2	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Hydrogen Water Chemistry System	2	0	0	2	0	0	0	0	0	0	3	0	0	0	0	0	0	0
Instrument Air Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Insulating Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liquid Waste Management System	18	1	15	10	0	0	0	0	3	0	15	3	0	0	0	0	0	0
Lube Oil System	9	0	1	9	0	0	0	4	0	0	5	0	0	0	0	0	0	0
Main Generator Hydrogen Cooling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Makeup Demineralizer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrogen Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nonessential Service Water System	6	5	1	1	0	2	1	0	0	0	5	0	0	0	0	1	2	0
Offgas System (BWR)	19	6	16	6	0	1	0	3	0	0	16	2	0	0	0	2	0	0
Plant Hot Water System	2	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Potable Water Distribution System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Raw Water Makeup System	2	1	0	1	0	0	0	0	0	0	1	1	0	0	0	1	1	0
Reactor Core Iso. Cooling Sys. (BWR)	7	6	6	3	0	0	0	0	0	0	0	7	0	3	0	3	3	0
Sanitary Waste Processing System	5	0	1	4	0	0	0	3	2	4	2	0	0	0	0	0	0	0
RHR/LPCI System (BWR)	6	2	5	2	0	0	0	1	0	0	3	2	0	0	0	1	1	0
RHR/LPSI System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Service Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steam Generator Blowdown System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbine Drains and Misc. Piping Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbine Bldg. Closed Cooling Water System	2	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Wastewater Disposal System	3	0	0	3	0	0	0	2	0	0	1	0	0	0	0	0	0	0
Yard Handling and Maintenance System	4	0	4	0	0	0	1	1	0	1	3	0	0	0	0	0	0	0
Water Filtration System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BWR Totals

SYSTEM	DESIGN INFORMATION																	
For underground piping segments in the system:	One or more underground segments?	Safety Related?	Contains Licensed Radioactive Material?	Contains Environ-mentally Hazardous Material?	Predominant material on the exterior side of the piping. Enter "1" for all that apply								Piping Classes Enter a "1" for all that apply				Subjected to Sec XI quarterly O&M flow tests?	Comments, including piping materials "C" or "O"
System	1 or blank	1,0	1,0	1,0	AL	CU	C*	FE	O*	P	S	SS	1	2	3HE	3	1,0	
Other Systems that may be Underground	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Access Corridors Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Admin. Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aux. Bldg. Environmental Control System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Boron Recycle System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Breathing Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cask Decontamination System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cntl. Bldg./Complex Environ. Cntl. Sys.	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
Condensate Storage and Transfer System	21	7	20	5	1	0	0	0	0	0	13	15	0	4	0	2	3	0
Condenser Tube Cleaning System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Condenser Vacuum System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Cooling Water System	4	4	0	0	0	0	0	0	0	2	4	0	0	0	0	2	2	0
Diesel Generator Starting Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Emerg. Onsite Pwr. Supp. Bldg. Env. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EOF Environ. Control Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feedwater Pump Injection and Misc. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fuel Bldg. Environmental Control Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fuel Pool Cooling and Purification System	3	0	3	0	1	0	0	0	0	0	2	1	0	0	0	0	0	0
Gland Seal Water Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heat Rejection Chemical Treatment System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heat Rejection System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HP Heater and MSR Drains and Vents System	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Isolation Condenser System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Gas System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leak Monitoring System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Pressure Core Spray System (BWR)	4	4	4	1	0	0	0	0	0	0	2	2	0	1	0	0	1	0
LP Heater Drains and Vents System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lube Oil Storage and Transfer System	10	0	3	10	0	0	0	6	0	0	4	0	0	0	0	0	0	0
Main Generator Gas Purge System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Generator Seal Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Generator Stator Cooling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Turbine Control Fluid System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Turbine System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main/Reheat Steam System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Material and Eqipment Handling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Turbine Vents System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plant Exhaust System	4	0	4	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0
Pumping Station Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Radwaste Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Removable Chemical Cleaning System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sampling and Water Quality System	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Security Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Service Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shield Annulus Return and Exhaust System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sludge Waste Dewatering System	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Solid Waste Management System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Standby Liquid Control System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steam Extraction System	3	0	3	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0
Steam Generator Blowdown System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Suppression Pool Makeup System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Suppression Pool Purification Sys. (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tech. Support Ctr. Environ. Cntl. Sys.	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Turbine Bldg. Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbine Lube Oil System	3	0	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0
Turbine Steam Seal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ultimate Heat Sink System	5	0	2	3	0	0	3	0	0	0	4	0	0	0	0	0	0	0
Visitors Center Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Treatment Bldg. Environ. Cntl. Sys.	1	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Welding Gas System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BWR Totals

SYSTEM	DESIGN INFORMATION																	
For underground piping segments in the system:	One or more underground segments?	Safety Related?	Contains Licensed Radioactive Material?	Contains Environ-mentally Hazardous Material?	Predominant material on the exterior side of the piping. Enter "1" for all that apply								Piping Classes Enter a "1" for all that apply				Subjected to Sec XI quarterly O&M flow tests?	Comments, including piping materials "C" or "O"
System	1 or blank	1,0	1,0	1,0	AL	CU	C*	FE	O*	P	S	SS	1	2	3HE	3	1,0	
Plant Specific Important Underground Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Containment Spray	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Primary Water Storage and Transfer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Treatment Systems	4	0	0	4	0	0	0	0	0	4	0	0	0	0	0	0	0	0
Miscellaneous Oil Systems	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Circulating Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					AL	CU	C	FE	O	P	S	SS						
TOTALS	**304**	**110**	**150**	**146**	**7**	**5**	**13**	**49**	**13**	**16**	**201**	**60**	**0**	**12**	**0**	**47**	**49**	

BWR Totals

SYSTEM	LEAKAGE EVENT INFORMATION																																						
	2007													2008												2009											
For underground piping segments in the system:	Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak								
System		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt
Typical Underground Systems																																							
Aux./Emergency Feedwater System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Auxiliary Steam System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carbon Dioxide (CO2) Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chilled Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Closed/Component Cooling Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cooling Tower Blowdown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Condensate System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	0	2	0	0	0	0	0	0	1
Condensate Demineralizer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Condensate and Feedwater Chem. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CVC/Makeup and Purification Sys. (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demin. Water Storage and Transfer Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Fuel Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Lube Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipment and Floor Drains System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0
Emergency/Standby Gas Treatment System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Essential Service Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Essential Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feedwater System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Protection System (Water)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0
Fire Protection System (Chemical)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fuel Oil Storage and Transfer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gaseous Waste Management System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High Pressure Core Spray System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HPSI System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrogen Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrogen Water Chemistry System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Instrument Air Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Insulating Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liquid Waste Management System	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Lube Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Generator Hydrogen Cooling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Makeup Demineralizer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrogen Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nonessential Service Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offgas System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plant Hot Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Distribution System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Raw Water Makeup System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Core Iso. Cooling Sys. (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sanitary Waste Processing System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RHR/LPCI System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RHR/LPSI System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Service Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steam Generator Blowdown System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbine Drains and Misc. Piping Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbine Bldg. Closed Cooling Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wastewater Disposal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yard Handling and Maintenance System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Filtration System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BWR Totals

SYSTEM	LEAKAGE EVENT INFORMATION																																								
	2007													2008												2009															
For underground piping segments in the system:	Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak								
System		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt
Other Systems that may be Underground	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Access Corridors Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Admin. Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aux. Bldg. Environmental Control System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Boron Recycle System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Breathing Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cask Decontamination System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cntl. Bldg./Complex Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Condensate Storage and Transfer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	2	0	0	0	0	0	0	0	0	0
Condenser Tube Cleaning System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Condenser Vacuum System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Cooling Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Generator Starting Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Emerg. Onsite Pwr. Supp. Bldg. Env. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EOF Environ. Control Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feedwater Pump Injection and Misc. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fuel Bldg. Environmental Control Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fuel Pool Cooling and Purification System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gland Seal Water Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heat Rejection Chemical Treatment System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heat Rejection System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HP Heater and MSR Drains and Vents System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isolation Condenser System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Gas System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leak Monitoring System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Pressure Core Spray System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LP Heater Drains and Vents System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lube Oil Storage and Transfer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Generator Gas Purge System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Generator Seal Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Generator Stator Cooling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Turbine Control Fluid System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Turbine System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main/Reheat Steam System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Material and Eqipment Handling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Turbine Vents System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plant Exhaust System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pumping Station Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Radwaste Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Removable Chemical Cleaning System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sampling and Water Quality System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Security Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Service Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shield Annulus Return and Exhaust System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sludge Waste Dewatering System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Management System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Standby Liquid Control System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steam Extraction System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steam Generator Blowdown System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Suppression Pool Makeup System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Suppression Pool Purification Sys. (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tech. Support Ctr. Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbine Bldg. Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbine Lube Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbine Steam Seal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ultimate Heat Sink System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Visitors Center Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Treatment Bldg. Environ. Cntl. Sys.	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Welding Gas System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BWR Totals

SYSTEM	LEAKAGE EVENT INFORMATION																																							
	2007														2008												2009													
For underground piping segments in the system:	Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak								
System		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt
Plant Specific Important Underground Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Containment Spray	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Primary Water Storage and Transfer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Treatment Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Oil Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Circulating Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**4**	**2**	**1**	**1**	**0**	**0**	**0**	**0**	**1**	**0**	**2**	**0**	**1**	**7**	**0**	**6**	**1**	**0**	**5**	**0**	**0**	**1**	**0**	**0**	**0**	**1**

BWR Totals

SYSTEM	2010													LEAK TOTALS												
For underground piping segments in the system:	Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Total Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak								
System		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt
Typical Underground Systems																										
Aux./Emergency Feedwater System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Auxiliary Steam System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Carbon Dioxide (CO2) Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Chilled Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Closed/Component Cooling Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Cooling Tower Blowdown	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Condensate System	1	0	0	1	0	0	0	0	0	0	1	0	0	4		3	1		2					1		1
Condensate Demineralizer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Condensate and Feedwater Chem. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
CVC/Makeup and Purification Sys. (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Demin. Water Storage and Transfer Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Diesel Fuel Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Diesel Lube Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Equipment and Floor Drains System	1	0	1	0	0	0	0	0	0	0	0	1	0	2		2			1						1	
Emergency/Standby Gas Treatment System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Essential Service Water System	2	1	0	1	0	0	0	0	0	0	0	1	1	4	1	1	2					1		1	1	1
Essential Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Feedwater System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Fire Protection System (Water)	5	0	0	5	0	0	0	0	5	0	0	0	0	6			6					6				
Fire Protection System (Chemical)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Fuel Oil Storage and Transfer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Gaseous Waste Management System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
High Pressure Core Spray System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
HPSI System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Hydrogen Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Hydrogen Water Chemistry System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Instrument Air Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Insulating Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Liquid Waste Management System	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1											1
Lube Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Main Generator Hydrogen Cooling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Makeup Demineralizer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Nitrogen Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Nonessential Service Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Offgas System (BWR)	3	2	0	1	0	0	0	0	0	0	3	0	0	3	2		1							3		
Plant Hot Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Potable Water Distribution System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Raw Water Makeup System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Reactor Core Iso. Cooling Sys. (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Sanitary Waste Processing System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
RHR/LPCI System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1									1		
RHR/LPSI System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Service Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Steam Generator Blowdown System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Turbine Drains and Misc. Piping Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Turbine Bldg. Closed Cooling Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Wastewater Disposal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Yard Handling and Maintenance System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Water Filtration System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
	0	0	0	0	0	0	0	0	0	0	0	0	0													

BWR Totals

SYSTEM	2010													LEAK TOTALS												
For underground piping segments in the system:	Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Total Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak								
System		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt
Other Systems that may be Underground	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Access Corridors Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Admin. Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Aux. Bldg. Environmental Control System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Boron Recycle System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Breathing Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Cask Decontamination System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Cntl. Bldg./Complex Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Condensate Storage and Transfer System	0	0	0	0	0	0	0	0	0	0	0	0	0	2		2			2							
Condenser Tube Cleaning System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Condenser Vacuum System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Diesel Cooling Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Diesel Generator Starting Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Emerg. Onsite Pwr. Supp. Bldg. Env. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
EOF Environ. Control Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Feedwater Pump Injection and Misc. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Fuel Bldg. Environmental Control Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Fuel Pool Cooling and Purification System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Gland Seal Water Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Heat Rejection Chemical Treatment System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Heat Rejection System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
HP Heater and MSR Drains and Vents System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Isolation Condenser System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Laboratory Gas System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Leak Monitoring System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Low Pressure Core Spray System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
LP Heater Drains and Vents System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Lube Oil Storage and Transfer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Main Generator Gas Purge System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Main Generator Seal Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Main Generator Stator Cooling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Main Turbine Control Fluid System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Main Turbine System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Main/Reheat Steam System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Material and Eqipment Handling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Miscellaneous Turbine Vents System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Plant Exhaust System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Pumping Station Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Radwaste Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Reactor Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Removable Chemical Cleaning System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Sampling and Water Quality System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Security Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Service Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Shield Annulus Return and Exhaust System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Sludge Waste Dewatering System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Solid Waste Management System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Standby Liquid Control System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Steam Extraction System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Steam Generator Blowdown System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Suppression Pool Makeup System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Suppression Pool Purification Sys. (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Tech. Support Ctr. Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Turbine Bldg. Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Turbine Lube Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Turbine Steam Seal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Ultimate Heat Sink System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Visitors Center Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Water Treatment Bldg. Environ. Cntl. Sys.	1	0	0	1	0	0	0	0	1	0	0	0	0	2		1	1					2				
Welding Gas System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
	0	0	0	0	0	0	0	0	0	0	0	0	0													

BWR Totals

SYSTEM	2010													LEAK TOTALS												
For underground piping segments in the system:	Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Total Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak								
System		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt
Plant Specific Important Underground Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Containment Spray	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Primary Water Storage and Transfer	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Water Treatment Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Miscellaneous Oil Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Circulating Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
TOTALS	**13**	**3**	**1**	**9**	**0**	**0**	**0**	**0**	**6**	**0**	**4**	**2**	**1**	**25**	**5**	**9**	**11**	**0**	**5**	**0**	**0**	**9**	**0**	**6**	**2**	**3**

PWR Totals

SYSTEM	DESIGN INFORMATION																	
For underground piping segments in the system:	One or more underground segments?	Safety Related?	Contains Licensed Radioactive Material?	Contains Environ-mentally Hazardous Material?	Predominant material on the exterior side of the piping. Enter "1" for all that apply								Piping Classes Enter a "1" for all that apply				Subjected to Sec XI quarterly O&M flow tests?	Comments, including piping materials "C" or "O"
System	1 or blank	1,0	1,0	1,0	AL	CU	C*	FE	O*	P	S	SS	1	2	3H E	3	1,0	
Typical Underground Systems																		
Aux./Emergency Feedwater System (PWR)	28	22	12	3	0	0	1	0	0	0	17	13	0	0	0	18	12	0
Auxiliary Steam System	9	1	8	0	0	0	1	2	0	0	6	0	0	0	0	1	0	0
Carbon Dioxide (CO2) Supply System	1	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Chilled Water System	4	0	4	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0
Closed/Component Cooling Water System	6	1	5	0	0	0	1	0	0	0	4	0	0	0	0	1	0	0
Cooling Tower Blowdown	6	0	6	4	0	0	0	0	3	2	1	0	0	0	0	0	0	0
Condensate System	22	7	20	0	0	0	1	3	0	0	13	9	0	1	0	6	7	0
Condensate Demineralizer System	12	0	8	5	0	0	0	0	3	1	7	2	0	0	0	0	0	0
Condensate and Feedwater Chem. Cntl. Sys.	10	0	3	10	0	0	0	3	0	1	6	7	0	0	0	0	0	0
CVC/Makeup and Purification Sys. (PWR)	10	6	9	1	0	0	0	0	0	0	1	9	0	6	0	3	6	0
Demin. Water Storage and Transfer Sys.	3	0	3	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0
Diesel Fuel Oil System	56	45	0	51	0	0	2	3	0	0	44	8	0	2	0	24	9	0
Diesel Lube Oil System	5	3	0	5	0	0	1	0	0	0	4	0	0	0	0	0	0	0
Equipment and Floor Drains System	20	0	16	11	0	0	3	6	3	2	14	9	0	1	0	1	0	0
Emergency/Standby Gas Treatment System	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Essential Service Water System	59	59	10	9	2	4	8	4	0	1	50	10	0	2	0	54	38	0
Essential Air System	2	2	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Feedwater System	3	0	3	0	0	0	0	0	0	0	2	3	0	0	0	0	0	0
Fire Protection System (Water)	6	3	0	1	0	0	2	5	0	3	4	0	0	0	0	2	0	0
Fire Protection System (Chemical)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fuel Oil Storage and Transfer System	33	11	2	33	0	0	2	3	1	2	26	3	0	0	0	5	4	0
Gaseous Waste Management System (PWR)	6	1	6	0	0	0	0	0	0	0	6	1	0	0	0	1	0	0
High Pressure Core Spray System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HPSI System (PWR)	7	7	7	0	0	0	0	0	0	0	0	7	0	5	0	0	7	0
Hydrogen Supply System	13	1	0	10	0	0	1	0	0	0	10	3	0	0	0	0	0	0
Hydrogen Water Chemistry System	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Instrument Air Supply System	7	6	0	0	0	1	0	0	0	0	6	0	0	2	0	0	0	0
Insulating Oil System	2	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Liquid Waste Management System	47	6	46	7	0	0	0	0	3	3	15	33	0	2	0	0	0	0
Lube Oil System	8	0	0	8	0	0	0	0	0	0	8	0	0	0	0	0	1	0
Main Generator Hydrogen Cooling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Makeup Demineralizer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrogen Supply System	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Nonessential Service Water System	12	0	9	6	0	0	3	0	3	2	9	0	0	0	0	0	2	0
Offgas System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plant Hot Water System	2	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Potable Water Distribution System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Raw Water Makeup System	4	3	0	1	0	0	0	0	0	0	4	0	0	0	0	3	0	0
Reactor Core Iso. Cooling Sys. (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sanitary Waste Processing System	4	0	0	4	0	0	0	3	0	0	1	1	0	0	0	0	0	0
RHR/LPCI System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RHR/LPSI System (PWR)	12	10	12	0	0	0	0	0	0	0	0	12	0	10	0	4	7	0
Service Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steam Generator Blowdown System (PWR)	18	7	15	3	0	0	0	0	1	2	15	1	0	0	0	0	0	0
Turbine Drains and Misc. Piping Sys.	9	0	8	2	0	0	1	0	0	0	6	2	0	0	0	0	0	0
Turbine Bldg. Closed Cooling Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wastewater Disposal System	15	2	14	7	0	0	0	3	3	7	9	2	0	0	0	0	0	0
Yard Handling and Maintenance System	12	0	12	1	0	0	2	3	2	4	8	1	0	0	0	0	0	0
Water Filtration System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PWR Totals

SYSTEM	DESIGN INFORMATION																	
For underground piping segments in the system:	One or more underground segments?	Safety Related?	Contains Licensed Radioactive Material?	Contains Environ-mentally Hazardous Material?	Predominant material on the exterior side of the piping. Enter "1" for all that apply								Piping Classes Enter a "1" for all that apply				Subjected to Sec XI quarterly O&M flow tests?	Comments, including piping materials "C" or "O"
System	1 or blank	1,0	1,0	1,0	AL	CU	C*	FE	O*	P	S	SS	1	2	3H E	3	1,0	
Other Systems that may be Underground	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Access Corridors Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Admin. Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aux. Bldg. Environmental Control System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Boron Recycle System (PWR)	4	0	4	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0
Breathing Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cask Decontamination System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cntl. Bldg./Complex Environ. Cntl. Sys.	1	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Condensate Storage and Transfer System	10	2	10	0	0	0	0	1	0	0	8	4	0	1	0	0	0	0
Condenser Tube Cleaning System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Condenser Vacuum System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Cooling Water System	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0
Diesel Generator Starting Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Emerg. Onsite Pwr. Supp. Bldg. Env. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EOF Environ. Control Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feedwater Pump Injection and Misc. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fuel Bldg. Environmental Control Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fuel Pool Cooling and Purification System	4	1	4	1	0	0	0	0	0	0	0	4	0	0	0	0	0	0
Gland Seal Water Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heat Rejection Chemical Treatment System	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Heat Rejection System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HP Heater and MSR Drains and Vents System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isolation Condenser System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Gas System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leak Monitoring System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Pressure Core Spray System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LP Heater Drains and Vents System	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Lube Oil Storage and Transfer System	4	0	0	4	0	0	0	0	0	0	4	0	0	0	0	0	0	0
Main Generator Gas Purge System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Generator Seal Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Generator Stator Cooling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Turbine Control Fluid System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Turbine System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main/Reheat Steam System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Material and Eqipment Handling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Turbine Vents System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plant Exhaust System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pumping Station Environmental Cntl. Sys.	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Radwaste Bldg. Environmental Cntl. Sys.	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Reactor Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Removable Chemical Cleaning System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sampling and Water Quality System	6	0	6	0	0	0	0	0	0	2	2	2	0	0	0	0	0	0
Security Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Service Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shield Annulus Return and Exhaust System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sludge Waste Dewatering System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Management System	2	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
Standby Liquid Control System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steam Extraction System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steam Generator Blowdown System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Suppression Pool Makeup System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Suppression Pool Purification Sys. (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tech. Support Ctr. Environ. Cntl. Sys.	2	1	2	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Turbine Bldg. Environ. Cntl. Sys.	3	0	3	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
Turbine Lube Oil System	2	0	0	2	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Turbine Steam Seal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ultimate Heat Sink System	21	9	12	4	0	1	13	0	2	0	7	1	0	2	0	5	0	0
Visitors Center Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Treatment Bldg. Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Welding Gas System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PWR Totals

SYSTEM	DESIGN INFORMATION																	
For underground piping segments in the system:	One or more underground segments?	Safety Related?	Contains Licensed Radioactive Material?	Contains Environ-mentally Hazardous Material?	Predominant material on the exterior side of the piping. Enter "1" for all that apply								Piping Classes Enter a "1" for all that apply				Subjected to Sec XI quarterly O&M flow tests?	Comments, including piping materials "C" or "O"
System	1 or blank	1,0	1,0	1,0	AL	CU	C*	FE	O*	P	S	SS	1	2	3HE	3	1,0	
Plant Specific Important Underground Syster	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Containment Spray	5	5	3	0	0	0	0	0	0	0	0	5	0	1	0	4	2	0
Primary Water Storage and Transfer	5	0	5	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0
Water Treatment Systems	4	0	0	4	0	0	0	0	3	4	0	0	0	0	0	0	0	0
Miscellaneous Oil Systems	4	1	1	3	0	0	0	0	1	0	4	0	0	0	0	1	0	0
Circulating Water System	16	4	9	3	0	1	7	0	3	0	11	0	0	0	0	3	0	0
					AL	CU	C	FE	O	P	S	SS						
TOTALS	**574**	**230**	**306**	**210**	**2**	**7**	**49**	**39**	**31**	**38**	**355**	**172**	**0**	**35**	**0**	**137**	**95**	

PWR Totals

SYSTEM	LEAKAGE EVENT INFORMATION																																								
	2007													2008												2009															
For underground piping segments in the system:	Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak								
System		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt
Typical Underground Systems																																									
Aux./Emergency Feedwater System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Auxiliary Steam System	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carbon Dioxide (CO2) Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chilled Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Closed/Component Cooling Water System	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cooling Tower Blowdown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0
Condensate System	2	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0
Condensate Demineralizer System	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	1	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Condensate and Feedwater Chem. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CVC/Makeup and Purification Sys. (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demin. Water Storage and Transfer Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Fuel Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Diesel Lube Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipment and Floor Drains System	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0
Emergency/Standby Gas Treatment System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Essential Service Water System	1	1	0	0	0	0	1	0	0	0	0	0	0	3	1	2	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Essential Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feedwater System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Protection System (Water)	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Protection System (Chemical)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fuel Oil Storage and Transfer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gaseous Waste Management System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High Pressure Core Spray System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HPSI System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrogen Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrogen Water Chemistry System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Instrument Air Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Insulating Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liquid Waste Management System	1	0	1	0	1	0	0	0	0	0	0	0	0	2	0	1	1	1	0	0	0	0	0	1	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0
Lube Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Generator Hydrogen Cooling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Makeup Demineralizer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrogen Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nonessential Service Water System	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offgas System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plant Hot Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Distribution System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Raw Water Makeup System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	1	1
Reactor Core Iso. Cooling Sys. (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sanitary Waste Processing System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RHR/LPCI System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RHR/LPSI System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Service Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steam Generator Blowdown System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	1	0	0	0	1	0	0	0	0
Turbine Drains and Misc. Piping Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbine Bldg. Closed Cooling Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wastewater Disposal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	1	0	0	1	0
Yard Handling and Maintenance System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Filtration System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PWR Totals

SYSTEM	LEAKAGE EVENT INFORMATION																																							
	2007													2008												2009														
For underground piping segments in the system:	Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak								
System		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt
Other Systems that may be Underground	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Access Corridors Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Admin. Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aux. Bldg. Environmental Control System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Boron Recycle System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Breathing Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cask Decontamination System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cntl. Bldg./Complex Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Condensate Storage and Transfer System	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Condenser Tube Cleaning System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Condenser Vacuum System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Cooling Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Generator Starting Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Emerg. Onsite Pwr. Supp. Bldg. Env. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EOF Environ. Control Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feedwater Pump Injection and Misc. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fuel Bldg. Environmental Control Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fuel Pool Cooling and Purification System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gland Seal Water Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heat Rejection Chemical Treatment System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heat Rejection System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HP Heater and MSR Drains and Vents System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isolation Condenser System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Gas System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leak Monitoring System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Pressure Core Spray System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LP Heater Drains and Vents System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lube Oil Storage and Transfer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Generator Gas Purge System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Generator Seal Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Generator Stator Cooling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Turbine Control Fluid System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Turbine System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main/Reheat Steam System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Material and Eqipment Handling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Turbine Vents System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plant Exhaust System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pumping Station Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Radwaste Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Removable Chemical Cleaning System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sampling and Water Quality System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Security Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Service Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shield Annulus Return and Exhaust System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sludge Waste Dewatering System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Management System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Standby Liquid Control System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steam Extraction System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steam Generator Blowdown System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Suppression Pool Makeup System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Suppression Pool Purification Sys. (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tech. Support Ctr. Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbine Bldg. Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbine Lube Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbine Steam Seal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ultimate Heat Sink System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Visitors Center Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Treatment Bldg. Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Welding Gas System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PWR Totals

SYSTEM	LEAKAGE EVENT INFORMATION																																									
	2007													2008												2009																
For underground piping segments in the system:	Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak								
System		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt
Plant Specific Important Underground Systen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Containment Spray	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Primary Water Storage and Transfer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Treatment Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
Miscellaneous Oil Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Circulating Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	**10**	**1**	**6**	**3**	**1**	**0**	**3**	**0**	**0**	**0**	**4**	**1**	**1**	**9**	**3**	**5**	**1**	**1**	**0**	**2**	**0**	**3**	**0**	**1**	**0**	**2**	**12**	**2**	**8**	**2**	**1**	**0**	**4**	**0**	**1**	**1**	**1**	**1**	**3**

PWR Totals

SYSTEM	2010													LEAK TOTALS												
For underground piping segments in the system:	Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Total Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak								
System		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Pit		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Pit
Typical Underground Systems																										
Aux./Emergency Feedwater System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Auxiliary Steam System	0	0	0	0	0	0	0	0	0	0	0	0	0	1		1				1						
Carbon Dioxide (CO2) Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Chilled Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Closed/Component Cooling Water System	1	0	1	0	0	0	0	0	0	0	0	1	0	2		2									2	
Cooling Tower Blowdown	0	0	0	0	0	0	0	0	0	0	0	0	0	1		1						1				
Condensate System	0	0	0	0	0	0	0	0	0	0	0	0	0	3		3				1				2		
Condensate Demineralizer System	1	0	1	0	0	0	0	0	1	0	0	0	0	4	2	2				1		3				
Condensate and Feedwater Chem. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
CVC/Makeup and Purification Sys. (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Demin. Water Storage and Transfer Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Diesel Fuel Oil System	1	0	1	0	0	0	0	0	0	0	1	0	0	2		2								1		1
Diesel Lube Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Equipment and Floor Drains System	1	0	1	0	0	0	0	0	0	0	0	1	0	3		1	2			1				1	1	
Emergency/Standby Gas Treatment System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Essential Service Water System	5	2	2	1	0	1	1	0	0	1	0	0	2	9	4	4	1		1	3			1			4
Essential Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Feedwater System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Fire Protection System (Water)	2	0	0	2	0	0	0	0	0	0	2	0	0	4		1	3					1		3		
Fire Protection System (Chemical)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Fuel Oil Storage and Transfer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Gaseous Waste Management System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
High Pressure Core Spray System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
HPSI System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Hydrogen Supply System	1	0	0	1	0	0	0	0	0	0	1	0	0	1			1							1		
Hydrogen Water Chemistry System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Instrument Air Supply System	1	0	1	0	0	0	1	0	0	0	0	0	0	1		1				1						
Insulating Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Liquid Waste Management System	1	0	1	0	0	0	0	0	1	0	0	0	0	5		4	1	3				1		1		
Lube Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Main Generator Hydrogen Cooling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Makeup Demineralizer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Nitrogen Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Nonessential Service Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	1		1										1
Offgas System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Plant Hot Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Potable Water Distribution System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Raw Water Makeup System	1	0	1	0	0	0	0	0	1	0	0	0	0	3		3						1			1	1
Reactor Core Iso. Cooling Sys. (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Sanitary Waste Processing System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
RHR/LPCI System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
RHR/LPSI System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Service Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Steam Generator Blowdown System (PWR)	1	0	1	0	0	0	1	0	0	0	0	0	0	3	1	2				2				1		
Turbine Drains and Misc. Piping Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Turbine Bldg. Closed Cooling Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Wastewater Disposal System	3	1	2	0	0	0	1	0	0	1	0	0	1	5	2	3				1			2			2
Yard Handling and Maintenance System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Water Filtration System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
	0	0	0	0	0	0	0	0	0	0	0	0	0													

PWR Totals

SYSTEM	2010													LEAK TOTALS												
For underground piping segments in the system:	Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Total Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak								
System		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Pit		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Pit
Other Systems that may be Underground	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Access Corridors Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Admin. Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Aux. Bldg. Environmental Control System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Boron Recycle System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Breathing Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Cask Decontamination System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Cntl. Bldg./Complex Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Condensate Storage and Transfer System	0	0	0	0	0	0	0	0	0	0	0	0	0	1			1			1						
Condenser Tube Cleaning System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Condenser Vacuum System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Diesel Cooling Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Diesel Generator Starting Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Emerg. Onsite Pwr. Supp. Bldg. Env. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
EOF Environ. Control Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Feedwater Pump Injection and Misc. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Fuel Bldg. Environmental Control Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Fuel Pool Cooling and Purification System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Gland Seal Water Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Heat Rejection Chemical Treatment System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Heat Rejection System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
HP Heater and MSR Drains and Vents System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Isolation Condenser System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Laboratory Gas System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Leak Monitoring System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Low Pressure Core Spray System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
LP Heater Drains and Vents System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Lube Oil Storage and Transfer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Main Generator Gas Purge System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Main Generator Seal Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Main Generator Stator Cooling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Main Turbine Control Fluid System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Main Turbine System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Main/Reheat Steam System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Material and Eqipment Handling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Miscellaneous Turbine Vents System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Plant Exhaust System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Pumping Station Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Radwaste Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Reactor Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Removable Chemical Cleaning System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Sampling and Water Quality System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Security Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Service Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Shield Annulus Return and Exhaust System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Sludge Waste Dewatering System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Solid Waste Management System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Standby Liquid Control System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Steam Extraction System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Steam Generator Blowdown System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Suppression Pool Makeup System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Suppression Pool Purification Sys. (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Tech. Support Ctr. Environ. Cntl. Sys.	1	0	0	1	0	0	0	0	0	0	1	0	0	1			1							1		
Turbine Bldg. Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Turbine Lube Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Turbine Steam Seal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Ultimate Heat Sink System	1	0	0	1	0	0	0	0	1	0	0	0	0	1			1					1				
Visitors Center Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Water Treatment Bldg. Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Welding Gas System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
	0	0	0	0	0	0	0	0	0	0	0	0	0													

PWR Totals

SYSTEM	2010													LEAK TOTALS												
For underground piping segments in the system:	Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Total Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak								
System		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt
Plant Specific Important Underground Systen	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
Containment Spray	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
Primary Water Storage and Transfer	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
Water Treatment Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**			**1**			**1**						
Miscellaneous Oil Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
Circulating Water System	1	0	0	1	0	0	0	0	0	0	1	0	0	**1**			**1**							**1**		
TOTALS	**22**	**3**	**12**	**7**	**0**	**1**	**4**	**0**	**4**	**2**	**6**	**2**	**3**	**53**	**9**	**31**	**13**	**3**	**1**	**13**	**0**	**8**	**3**	**12**	**4**	**9**

Overall Totals

SYSTEM	DESIGN INFORMATION																	
For underground piping segments in the system:	One or more underground segments?	Safety Related?	Contains Licensed Radioactive Material?	Contains Environ-mentally Hazardous Material?	Predominant material on the exterior side of the piping. Enter "1" for all that apply								Piping Classes Enter a "1" for all that apply				Subjected to Sec XI quarterly O&M flow tests?	Comments, including piping materials "C" or "O"
System	1 or blank	1,0	1,0	1,0	AL	CU	C*	FE	O*	P	S	SS	1	2	3HE	3	1,0	
Typical Underground Systems																		
Aux./Emergency Feedwater System (PWR)	28	22	12	3	0	0	1	0	0	0	17	13	0	0	0	18	12	
Auxiliary Steam System	12	1	11	0	0	0	1	2	0	0	9	0	0	0	0	1	0	
Carbon Dioxide (CO2) Supply System	1	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	
Chilled Water System	4	0	4	0	0	0	0	0	0	0	3	1	0	0	0	0	0	
Closed/Component Cooling Water System	7	2	5	0	0	0	1	0	0	0	5	0	0	0	0	2	1	
Cooling Tower Blowdown	12	0	10	6	0	0	2	0	4	2	5	1	0	0	0	0	0	
Condensate System	39	10	37	5	2	0	2	4	0	0	24	18	0	1	0	8	10	
Condensate Demineralizer System	14	1	9	5	0	0	0	0	3	1	8	3	0	0	0	1	1	
Condensate and Feedwater Chem. Cntl. Sys.	10	0	3	10	0	0	0	3	0	1	6	7	0	0	0	0	0	
CVC/Makeup and Purification Sys. (PWR)	10	6	9	1	0	0	0	0	0	0	1	9	0	6	0	3	6	
Demin. Water Storage and Transfer Sys.	4	0	4	0	0	0	0	0	0	0	4	2	0	0	0	0	0	
Diesel Fuel Oil System	86	62	1	81	0	0	2	8	2	0	69	9	0	2	0	27	10	
Diesel Lube Oil System	11	4	0	11	0	0	1	3	0	0	7	0	0	0	0	0	0	
Equipment and Floor Drains System	29	0	23	15	0	1	3	9	6	4	19	12	0	1	0	1	0	
Emergency/Standby Gas Treatment System	13	9	10	0	1	0	0	0	0	0	12	0	0	1	0	1	1	
Essential Service Water System	86	86	10	11	2	4	9	9	1	1	71	11	0	3	0	76	62	
Essential Air System	2	2	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	
Feedwater System	6	0	6	1	0	0	0	0	0	0	4	4	0	0	0	0	0	
Fire Protection System (Water)	9	6	0	1	0	0	2	8	0	3	4	0	0	0	0	2	0	
Fire Protection System (Chemical)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Fuel Oil Storage and Transfer System	53	16	4	53	0	1	3	8	2	4	41	3	0	0	0	6	4	
Gaseous Waste Management System (PWR)	6	1	6	0	0	0	0	0	0	0	6	1	0	0	0	1	0	
High Pressure Core Spray System (BWR)	9	7	8	3	1	0	0	0	0	0	2	7	0	2	0	3	5	
HPSI System (PWR)	7	7	7	0	0	0	0	0	0	0	0	7	0	5	0	0	7	
Hydrogen Supply System	15	1	0	12	0	0	1	0	0	0	11	4	0	0	0	0	0	
Hydrogen Water Chemistry System	3	1	0	2	0	0	0	0	0	0	4	0	0	0	0	0	0	
Instrument Air Supply System	7	6	0	0	0	1	0	0	0	0	6	0	0	2	0	0	0	
Insulating Oil System	2	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	
Liquid Waste Management System	65	7	61	17	0	0	0	0	6	3	30	36	0	2	0	0	0	
Lube Oil System	17	0	1	17	0	0	0	4	0	0	13	0	0	0	0	0	1	
Main Generator Hydrogen Cooling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Makeup Demineralizer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Nitrogen Supply System	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	
Nonessential Service Water System	18	5	10	7	0	2	4	0	3	2	14	0	0	0	0	1	4	
Offgas System (BWR)	19	6	16	6	0	1	0	3	0	0	16	2	0	0	0	2	0	
Plant Hot Water System	4	0	4	0	0	0	0	0	0	0	4	0	0	0	0	0	0	
Potable Water Distribution System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Raw Water Makeup System	6	4	0	2	0	0	0	0	0	0	5	1	0	0	0	4	1	
Reactor Core Iso. Cooling Sys. (BWR)	7	6	6	3	0	0	0	0	0	0	0	7	0	3	0	3	3	
Sanitary Waste Processing System	9	0	1	8	0	0	0	6	2	4	3	1	0	0	0	0	0	
RHR/LPCI System (BWR)	6	2	5	2	0	0	0	1	0	0	3	2	0	0	0	1	1	
RHR/LPSI System (PWR)	12	10	12	0	0	0	0	0	0	0	0	12	0	10	0	4	7	
Service Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Steam Generator Blowdown System (PWR)	18	7	15	3	0	0	0	0	1	2	15	1	0	0	0	0	0	
Turbine Drains and Misc. Piping Sys.	9	0	8	2	0	0	1	0	0	0	6	2	0	0	0	0	0	
Turbine Bldg. Closed Cooling Water System	2	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	
Wastewater Disposal System	18	2	14	10	0	0	0	5	3	7	10	2	0	0	0	0	0	
Yard Handling and Maintenance System	16	0	16	1	0	0	3	4	2	5	11	1	0	0	0	0	0	
Water Filtration System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Overall Totals

SYSTEM	DESIGN INFORMATION																	
For underground piping segments in the system:	One or more underground segments?	Safety Related?	Contains Licensed Radioactive Material?	Contains Environ-mentally Hazardous Material?	Predominant material on the exterior side of the piping. Enter "1" for all that apply								Piping Classes Enter a "1" for all that apply				Subjected to Sec XI quarterly O&M flow tests?	Comments, including piping materials "C" or "O"
System	1 or blank	1,0	1,0	1,0	AL	CU	C*	FE	O*	P	S	SS	1	2	3HE	3	1,0	
Other Systems that may be Underground	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Access Corridors Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Admin. Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Aux. Bldg. Environmental Control System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Boron Recycle System (PWR)	4	0	4	0	0	0	0	0	0	0	1	4	0	0	0	0	0	
Breathing Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cask Decontamination System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cntl. Bldg./Complex Environ. Cntl. Sys.	2	2	0	1	0	0	0	0	0	0	2	0	0	0	0	1	0	
Condensate Storage and Transfer System	31	9	30	5	1	0	0	1	0	0	21	19	0	5	0	2	3	
Condenser Tube Cleaning System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Condenser Vacuum System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Cooling Water System	5	5	0	1	0	0	0	0	0	2	4	1	0	0	0	3	2	
Diesel Generator Starting Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Emerg. Onsite Pwr. Supp. Bldg. Env. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
EOF Environ. Control Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Feedwater Pump Injection and Misc. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Fuel Bldg. Environmental Control Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Fuel Pool Cooling and Purification System	7	1	7	1	1	0	0	0	0	0	2	5	0	0	0	0	0	
Gland Seal Water Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Heat Rejection Chemical Treatment System	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	
Heat Rejection System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HP Heater and MSR Drains and Vents System	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
Isolation Condenser System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Laboratory Gas System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Leak Monitoring System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Low Pressure Core Spray System (BWR)	4	4	4	1	0	0	0	0	0	0	2	2	0	1	0	0	1	
LP Heater Drains and Vents System	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
Lube Oil Storage and Transfer System	14	0	3	14	0	0	0	6	0	0	8	0	0	0	0	0	0	
Main Generator Gas Purge System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Main Generator Seal Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Main Generator Stator Cooling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Main Turbine Control Fluid System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Main Turbine System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Main/Reheat Steam System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Material and Eqipment Handling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Miscellaneous Turbine Vents System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Plant Exhaust System	4	0	4	0	1	0	3	0	0	0	0	0	0	0	0	0	0	
Pumping Station Environmental Cntl. Sys.	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
Radwaste Bldg. Environmental Cntl. Sys.	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
Reactor Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Removable Chemical Cleaning System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sampling and Water Quality System	7	0	6	1	0	0	0	0	0	2	3	2	0	0	0	0	0	
Security Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Service Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Shield Annulus Return and Exhaust System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sludge Waste Dewatering System	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
Solid Waste Management System	2	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	
Standby Liquid Control System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Steam Extraction System	3	0	3	0	0	0	0	0	0	0	3	1	0	0	0	0	0	
Steam Generator Blowdown System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Suppression Pool Makeup System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Suppression Pool Purification Sys. (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Tech. Support Ctr. Environ. Cntl. Sys.	3	1	2	3	0	0	0	0	0	2	1	0	0	0	0	0	0	
Turbine Bldg. Environ. Cntl. Sys.	3	0	3	0	0	0	0	0	0	0	3	0	0	0	0	0	0	
Turbine Lube Oil System	5	0	0	5	0	0	0	3	0	0	2	0	0	0	0	0	0	
Turbine Steam Seal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ultimate Heat Sink System	26	9	14	7	0	1	16	0	2	0	11	1	0	2	0	5	0	
Visitors Center Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Water Treatment Bldg. Environ. Cntl. Sys.	1	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	
Welding Gas System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Overall Totals

SYSTEM	DESIGN INFORMATION																	
For underground piping segments in the system:	One or more underground segments?	Safety Related?	Contains Licensed Radioactive Material?	Contains Environ-mentally Hazardous Material?	Predominant material on the exterior side of the piping. Enter "1" for all that apply								Piping Classes Enter a "1" for all that apply				Subjected to Sec XI quarterly O&M flow tests?	Comments, including piping materials "C" or "O"
System	1 or blank	1,0	1,0	1,0	AL	CU	C*	FE	O*	P	S	SS	1	2	3HE	3	1,0	
Plant Specific Important Underground Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Containment Spray	5	5	3	0	0	0	0	0	0	0	0	5	0	1	0	4	2	
Primary Water Storage and Transfer	5	0	5	0	0	0	0	0	0	0	0	5	0	0	0	0	0	
Water Treatment Systems	8	0	0	8	0	0	0	0	3	8	0	0	0	0	0	0	0	
Miscellaneous Oil Systems	5	1	1	4	0	0	0	1	1	0	4	0	0	0	0	1	0	
Circulating Water System	16	4	9	3	0	1	7	0	3	0	11	0	0	0	0	3	0	
					AL	CU	C	FE	O	P	S	SS						
TOTALS	**878**	**340**	**456**	**356**	**9**	**12**	**62**	**88**	**44**	**54**	**556**	**232**	**0**	**47**	**0**	**184**	**144**	

Overall Totals

SYSTEM	LEAKAGE EVENT INFORMATION																																			
	2007													2008												2009										
For underground piping segments in the system:	Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak								
System		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt
Typical Underground Systems																																						
Aux./Emergency Feedwater System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Auxiliary Steam System	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carbon Dioxide (CO2) Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chilled Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Closed/Component Cooling Water System	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cooling Tower Blowdown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0
Condensate System	2	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	0	0	2	1	0	0	0	0	0	1
Condensate Demineralizer System	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	1	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Condensate and Feedwater Chem. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CVC/Makeup and Purification Sys. (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demin. Water Storage and Transfer Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Fuel Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1
Diesel Lube Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipment and Floor Drains System	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	1	0	1	1	0	0	0	0	0	0
Emergency/Standby Gas Treatment System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Essential Service Water System	1	1	0	0	0	0	1	0	0	0	0	0	0	5	1	3	1	0	0	1	0	1	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Essential Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feedwater System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Protection System (Water)	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0
Fire Protection System (Chemical)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fuel Oil Storage and Transfer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gaseous Waste Management System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High Pressure Core Spray System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HPSI System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrogen Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrogen Water Chemistry System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Instrument Air Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Insulating Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liquid Waste Management System	1	0	1	0	1	0	0	0	0	0	0	0	0	3	1	1	1	1	0	0	0	0	0	1	0	1	1	0	1	0	1	0	0	0	0	0	0	0
Lube Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Generator Hydrogen Cooling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Makeup Demineralizer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrogen Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nonessential Service Water System	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offgas System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plant Hot Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Distribution System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Raw Water Makeup System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	1	1
Reactor Core Iso. Cooling Sys. (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sanitary Waste Processing System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RHR/LPCI System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RHR/LPSI System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Service Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steam Generator Blowdown System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	1	0	0	0	1	0	0
Turbine Drains and Misc. Piping Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbine Bldg. Closed Cooling Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wastewater Disposal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	1	0	0	1
Yard Handling and Maintenance System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Filtration System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Overall Totals

SYSTEM	LEAKAGE EVENT INFORMATION																																			
For underground piping segments in the system:	2007													2008												2009										
	Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak								
System		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt
Other Systems that may be Underground	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Access Corridors Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Admin. Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aux. Bldg. Environmental Control System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Boron Recycle System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Breathing Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cask Decontamination System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cntl. Bldg./Complex Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Condensate Storage and Transfer System	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	2	0	0	0	0	0	0	0
Condenser Tube Cleaning System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Condenser Vacuum System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Cooling Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Generator Starting Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Emerg. Onsite Pwr. Supp. Bldg. Env. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EOF Environ. Control Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feedwater Pump Injection and Misc. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fuel Bldg. Environmental Control Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fuel Pool Cooling and Purification System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gland Seal Water Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heat Rejection Chemical Treatment System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heat Rejection System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HP Heater and MSR Drains and Vents System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isolation Condenser System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Gas System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leak Monitoring System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Pressure Core Spray System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LP Heater Drains and Vents System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lube Oil Storage and Transfer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Generator Gas Purge System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Generator Seal Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Generator Stator Cooling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Turbine Control Fluid System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Turbine System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main/Reheat Steam System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Material and Eqipment Handling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Turbine Vents System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plant Exhaust System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pumping Station Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Radwaste Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Removable Chemical Cleaning System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sampling and Water Quality System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Security Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Service Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shield Annulus Return and Exhaust System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sludge Waste Dewatering System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Management System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Standby Liquid Control System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steam Extraction System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steam Generator Blowdown System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Suppression Pool Makeup System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Suppression Pool Purification Sys. (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tech. Support Ctr. Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbine Bldg. Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbine Lube Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbine Steam Seal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ultimate Heat Sink System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Visitors Center Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Treatment Bldg. Environ. Cntl. Sys.	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Welding Gas System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Overall Totals

SYSTEM	LEAKAGE EVENT INFORMATION																																									
	2007													2008												2009																
For underground piping segments in the system:	Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak								
System		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Plt
Plant Specific Important Underground Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Containment Spray	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Primary Water Storage and Transfer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Treatment Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
Miscellaneous Oil Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Circulating Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	**11**	**1**	**7**	**3**	**1**	**0**	**3**	**0**	**1**	**0**	**4**	**1**	**1**	**13**	**5**	**6**	**2**	**1**	**0**	**2**	**0**	**4**	**0**	**3**	**0**	**3**	**19**	**2**	**14**	**3**	**1**	**5**	**4**	**0**	**2**	**1**	**1**	**1**	**4**

Overall Totals

SYSTEM	2010													LEAK TOTALS												
For underground piping segments in the system:	Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Total Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak								
System		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Pit		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Pit
Typical Underground Systems																										
Aux./Emergency Feedwater System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Auxiliary Steam System	0	0	0	0	0	0	0	0	0	0	0	0	0	1		1				1						
Carbon Dioxide (CO2) Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Chilled Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Closed/Component Cooling Water System	1	0	1	0	0	0	0	0	0	0	0	1	0	2		2									2	
Cooling Tower Blowdown	0	0	0	0	0	0	0	0	0	0	0	0	0	1		1						1				
Condensate System	1	0	0	1	0	0	0	0	0	0	1	0	0	7		6	1		2	1				3		1
Condensate Demineralizer System	1	0	1	0	0	0	0	0	1	0	0	0	0	4	2	2				1		3				
Condensate and Feedwater Chem. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
CVC/Makeup and Purification Sys. (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Demin. Water Storage and Transfer Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Diesel Fuel Oil System	1	0	1	0	0	0	0	0	0	0	1	0	0	2		2								1		1
Diesel Lube Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Equipment and Floor Drains System	2	0	2	0	0	0	0	0	0	0	0	2	0	5		3	2		1	1				1	2	
Emergency/Standby Gas Treatment System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Essential Service Water System	7	3	2	2	0	1	1	0	0	1	0	1	3	13	5	5	3		1	3		1	1	1	1	5
Essential Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Feedwater System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Fire Protection System (Water)	7	0	0	7	0	0	0	0	5	0	2	0	0	10		1	9					7		3		
Fire Protection System (Chemical)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Fuel Oil Storage and Transfer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Gaseous Waste Management System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
High Pressure Core Spray System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
HPSI System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Hydrogen Supply System	1	0	0	1	0	0	0	0	0	0	1	0	0	1			1							1		
Hydrogen Water Chemistry System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Instrument Air Supply System	1	0	1	0	0	0	1	0	0	0	0	0	0	1		1				1						
Insulating Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Liquid Waste Management System	1	0	1	0	0	0	0	0	1	0	0	0	0	6	1	4	1	3				1		1		1
Lube Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Main Generator Hydrogen Cooling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Makeup Demineralizer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Nitrogen Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Nonessential Service Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	1		1										1
Offgas System (BWR)	3	2	0	1	0	0	0	0	0	0	3	0	0	3	2		1							3		
Plant Hot Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Potable Water Distribution System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Raw Water Makeup System	1	0	1	0	0	0	0	0	1	0	0	0	0	3		3						1			1	1
Reactor Core Iso. Cooling Sys. (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Sanitary Waste Processing System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
RHR/LPCI System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1									1		
RHR/LPSI System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Service Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Steam Generator Blowdown System (PWR)	1	0	1	0	0	0	1	0	0	0	0	0	0	3	1	2				2				1		
Turbine Drains and Misc. Piping Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Turbine Bldg. Closed Cooling Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Wastewater Disposal System	3	1	2	0	0	0	1	0	0	1	0	0	1	5	2	3				1			2			2
Yard Handling and Maintenance System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Water Filtration System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												

Overall Totals

SYSTEM	2010													LEAK TOTALS												
For underground piping segments in the system:	Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Total Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak								
System		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Pit		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Pit
Other Systems that may be Underground	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Access Corridors Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Admin. Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Aux. Bldg. Environmental Control System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Boron Recycle System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Breathing Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Cask Decontamination System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Cntl. Bldg./Complex Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Condensate Storage and Transfer System	0	0	0	0	0	0	0	0	0	0	0	0	0	3		2	1		2	1						
Condenser Tube Cleaning System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Condenser Vacuum System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Diesel Cooling Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Diesel Generator Starting Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Emerg. Onsite Pwr. Supp. Bldg. Env. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
EOF Environ. Control Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Feedwater Pump Injection and Misc. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Fuel Bldg. Environmental Control Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Fuel Pool Cooling and Purification System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Gland Seal Water Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Heat Rejection Chemical Treatment System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Heat Rejection System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
HP Heater and MSR Drains and Vents System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Isolation Condenser System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Laboratory Gas System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Leak Monitoring System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Low Pressure Core Spray System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
LP Heater Drains and Vents System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Lube Oil Storage and Transfer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Main Generator Gas Purge System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Main Generator Seal Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Main Generator Stator Cooling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Main Turbine Control Fluid System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Main Turbine System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Main/Reheat Steam System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Material and Eqipment Handling System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Miscellaneous Turbine Vents System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Plant Exhaust System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Pumping Station Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Radwaste Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Reactor Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Removable Chemical Cleaning System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Sampling and Water Quality System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Security Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Service Bldg. Environmental Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Shield Annulus Return and Exhaust System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Sludge Waste Dewatering System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Solid Waste Management System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Standby Liquid Control System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Steam Extraction System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Steam Generator Blowdown System (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Suppression Pool Makeup System (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Suppression Pool Purification Sys. (BWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Tech. Support Ctr. Environ. Cntl. Sys.	1	0	0	1	0	0	0	0	0	0	1	0	0	1			1							1		
Turbine Bldg. Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Turbine Lube Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Turbine Steam Seal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Ultimate Heat Sink System	1	0	0	1	0	0	0	0	1	0	0	0	0	1			1					1				
Visitors Center Environ. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Water Treatment Bldg. Environ. Cntl. Sys.	1	0	0	1	0	0	0	0	1	0	0	0	0	2		1	1					2				
Welding Gas System	0	0	0	0	0	0	0	0	0	0	0	0	0	0												

Overall Totals

SYSTEM	2010													LEAK TOTALS												
For underground piping segments in the system:	Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak									Total Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak								
System		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Pit		ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Pit
Plant Specific Important Underground Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
Containment Spray	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
Primary Water Storage and Transfer	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
Water Treatment Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**			**1**			**1**						
Miscellaneous Oil Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**												
Circulating Water System	1	0	0	1	0	0	0	0	0	0	1	0	0	**1**			**1**							**1**		
TOTALS	**35**	**6**	**13**	**16**	**0**	**1**	**4**	**0**	**10**	**2**	**10**	**4**	**4**	**78**	**14**	**40**	**24**	**3**	**6**	**13**	**0**	**17**	**3**	**18**	**6**	**12**

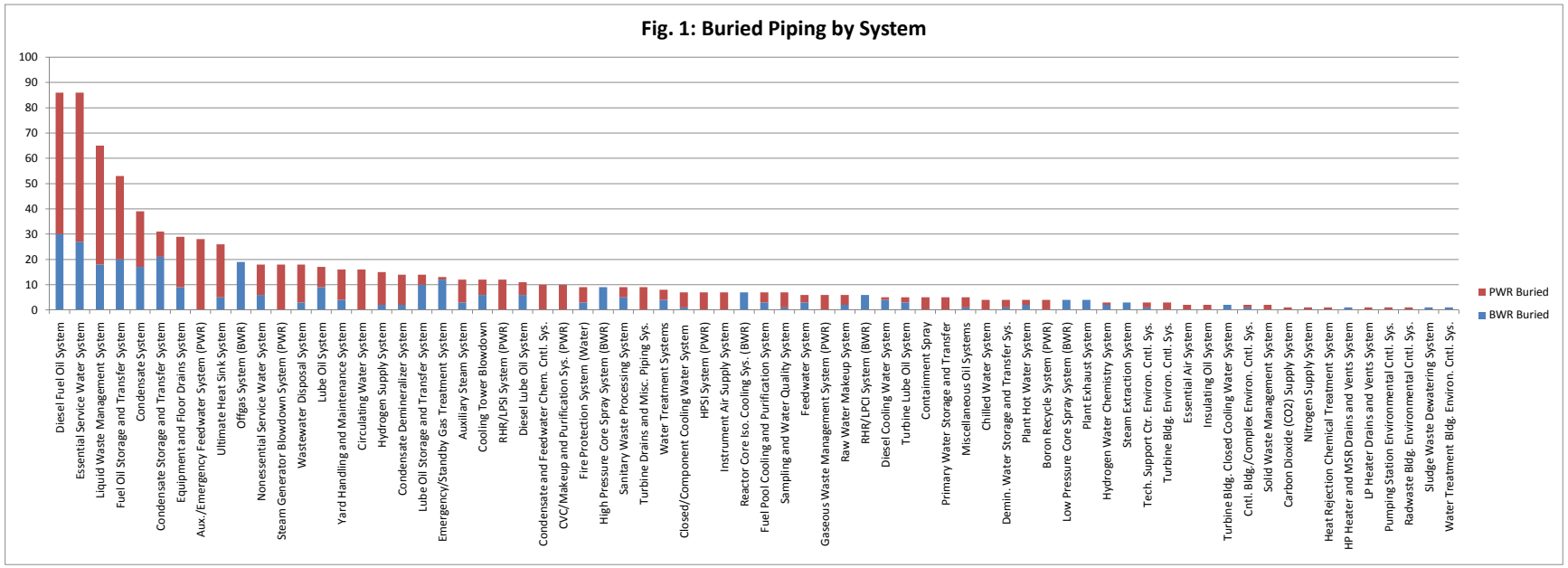


Fig. 1: Buried Piping by System
100
90
80
70
60
50
40
30
20
10
0
PWR Buried
BWR Buried
Diesel Fuel Oil System
Essential Service Water System
Liquid Waste Management System
Fuel Oil Storage and Transfer System
Condensate System
Condensate Storage and Transfer System
Equipment and Floor Drains System
Aux./Emergency Feedwater System (PWR)
Ultimate Heat Sink System
Offgas System (BWR)
Nonessential Service Water System
Steam Generator Blowdown System (PWR)
Wastewater Disposal System
Lube Oil System
Yard Handling and Maintenance System
Circulating Water System
Hydrogen Supply System
Condensate Demineralizer System
Lube Oil Storage and Transfer System
Emergency/Standby Gas Treatment System
Auxiliary Steam System
Cooling Tower Blowdown
RHR/LPSI System (PWR)
Diesel Lube Oil System
Condensate and Feedwater Chem. Cntl. Sys.
CVC/Makeup and Purification Sys. (PWR)
Fire Protection System (Water)
High Pressure Core Spray System (BWR)
Sanitary Waste Processing System
Turbine Drains and Misc. Piping Sys.
Water Treatment Systems
Closed/Component Cooling Water System
HPSI System (PWR)
Instrument Air Supply System
Reactor Core Iso. Cooling Sys. (BWR)
Fuel Pool Cooling and Purification System
Sampling and Water Quality System
Feedwater System
Gaseous Waste Management System (PWR)
Raw Water Makeup System
RHR/LPCI System (BWR)
Diesel Cooling Water System
Turbine Lube Oil System
Containment Spray
Primary Water Storage and Transfer
Miscellaneous Oil Systems
Chilled Water System
Demin. Water Storage and Transfer Sys.
Plant Hot Water System
Boron Recycle System (PWR)
Low Pressure Core Spray System (BWR)
Plant Exhaust System
Hydrogen Water Chemistry System
Steam Extraction System
Tech. Support Ctr. Environ. Cntl. Sys.
Turbine Bldg. Environ. Cntl. Sys.
Essential Air System
Insulating Oil System
Turbine Bldg. Closed Cooling Water System
Cntl. Bldg./Complex Environ. Cntl. Sys.
Solid Waste Management System
Carbon Dioxide (CO2) Supply System
Nitrogen Supply System
Heat Rejection Chemical Treatment System
HP Heater and MSR Drains and Vents System
LP Heater Drains and Vents System
Pumping Station Environmental Cntl. Sys.
Radwaste Bldg. Environmental Cntl. Sys.
Sludge Waste Dewatering System
Water Treatment Bldg. Environ. Cntl. Sys.

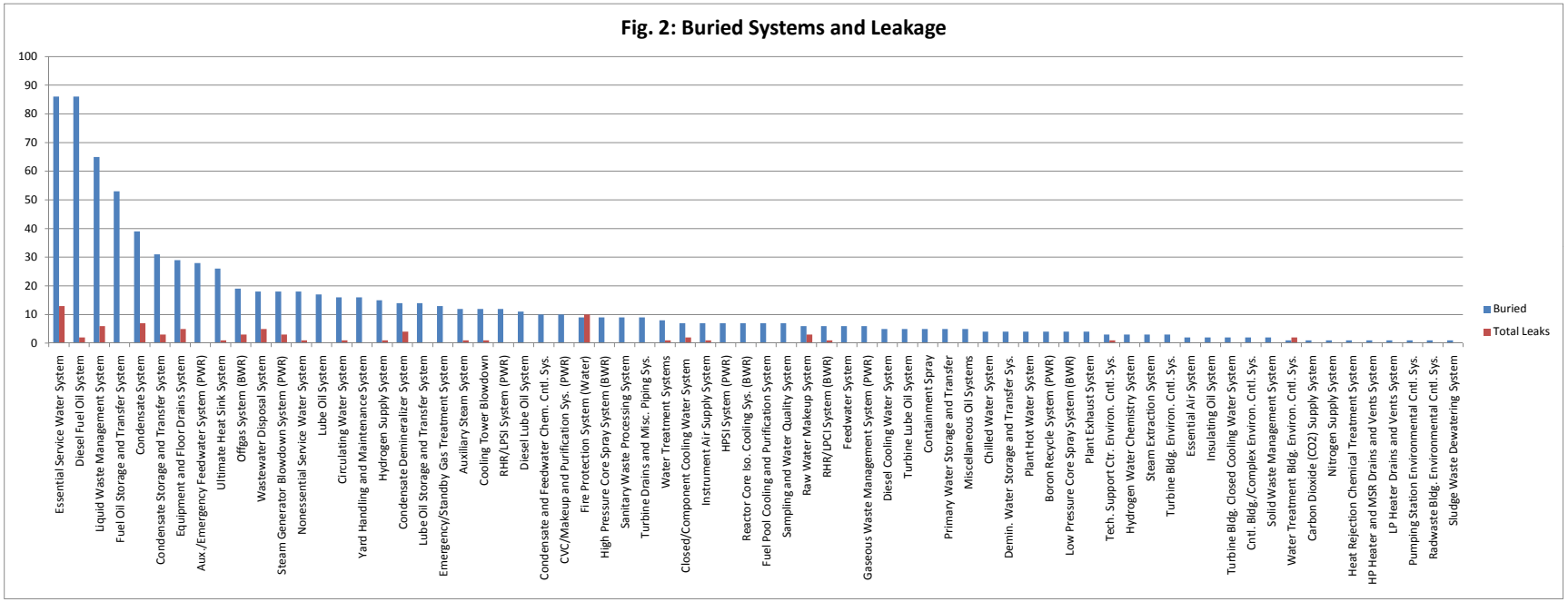


Fig. 2: Buried Systems and Leakage
100
90
80
70
60
50
40
30
20
10
0
Buried
Total Leaks
Essential Service Water System
Diesel Fuel Oil System
Liquid Waste Management System
Fuel Oil Storage and Transfer System
Condensate System
Condensate Storage and Transfer System
Equipment and Floor Drains System
Aux./Emergency Feedwater System (PWR)
Ultimate Heat Sink System
Offgas System (BWR)
Wastewater Disposal System
Steam Generator Blowdown System (PWR)
Nonessential Service Water System
Lube Oil System
Circulating Water System
Yard Handling and Maintenance System
Hydrogen Supply System
Condensate Demineralizer System
Lube Oil Storage and Transfer System
Emergency/Standby Gas Treatment System
Auxiliary Steam System
Cooling Tower Blowdown
RHR/LPSI System (PWR)
Diesel Lube Oil System
Condensate and Feedwater Chem. Cntl. Sys.
CVC/Makeup and Purification Sys. (PWR)
Fire Protection System (Water)
High Pressure Core Spray System (BWR)
Sanitary Waste Processing System
Turbine Drains and Misc. Piping Sys.
Water Treatment Systems
Closed/Component Cooling Water System
Instrument Air Supply System
HPSI System (PWR)
Reactor Core Iso. Cooling Sys. (BWR)
Fuel Pool Cooling and Purification System
Sampling and Water Quality System
Raw Water Makeup System
RHR/LPCI System (BWR)
Feedwater System
Gaseous Waste Management System (PWR)
Diesel Cooling Water System
Turbine Lube Oil System
Containment Spray
Primary Water Storage and Transfer
Miscellaneous Oil Systems
Chilled Water System
Demin. Water Storage and Transfer Sys.
Plant Hot Water System
Boron Recycle System (PWR)
Low Pressure Core Spray System (BWR)
Plant Exhaust System
Tech. Support Ctr. Environ. Cntl. Sys.
Hydrogen Water Chemistry System
Steam Extraction System
Turbine Bldg. Environ. Cntl. Sys.
Essential Air System
Insulating Oil System
Turbine Bldg. Closed Cooling Water System
Cntl. Bldg./Complex Environ. Cntl. Sys.
Solid Waste Management System
Water Treatment Bldg. Environ. Cntl. Sys.
Carbon Dioxide (CO2) Supply System
Nitrogen Supply System
Heat Rejection Chemical Treatment System
HP Heater and MSR Drains and Vents System
LP Heater Drains and Vents System
Pumping Station Environmental Cntl. Sys.
Radwaste Bldg. Environmental Cntl. Sys.
Sludge Waste Dewatering System

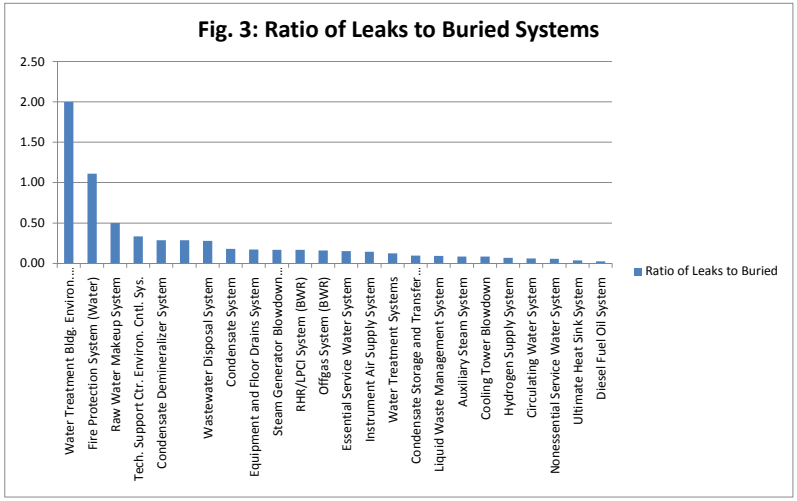
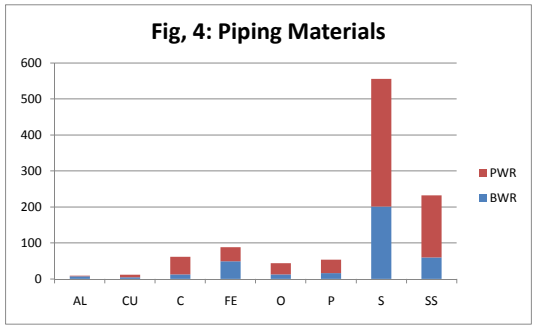


Fig. 3: Ratio of Leaks to Buried Systems
2.50
2.00
1.50
1.00
0.50
0.00
Water Treatment Bldg. Environ...
Fire Protection System (Water)
Raw Water Makeup System
Tech. Support Ctr. Environ. Cntl. Sys.
Condensate Demineralizer System
Wastewater Disposal System
Condensate System
Equipment and Floor Drains System
Steam Generator Blowdown...
RHR/LPCI System (BWR)
Offgas System (BWR)
Essential Service Water System
Instrument Air Supply System
Water Treatment Systems
Condensate Storage and Transfer...
Liquid Waste Management System
Auxiliary Steam System
Cooling Tower Blowdown
Hydrogen Supply System
Circulating Water System
Nonessential Service Water System
Ultimate Heat Sink System
Diesel Fuel Oil System
Ratio of Leaks to Buried


Fig, 4: Piping Materials
600
500
400
300
200
100
0
AL
CU
C
FE
O
P
S
SS
PWR
BWR

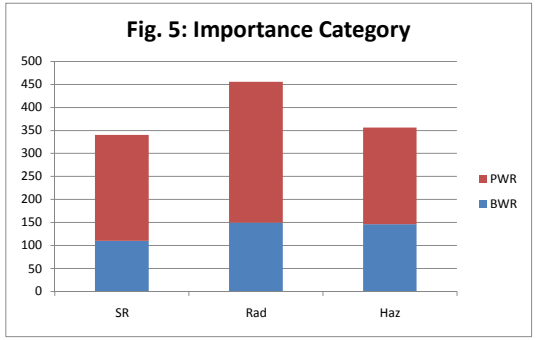


Fig. 5: Importance Category
500
450
400
350
300
250
200
150
100
50
0
SR
Rad
Haz
PWR
BWR

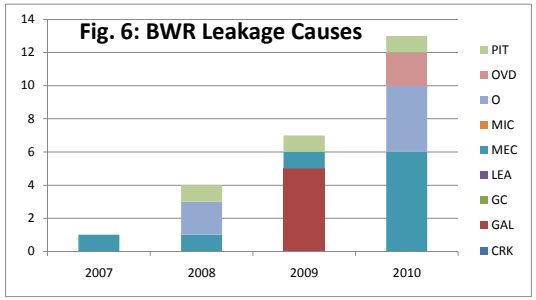


Fig. 6: BWR Leakage Causes
14
12
10
8
6
4
2
0
2007
2008
2009
2010
PIT
OVD
O
MIC
MEC
LEA
GC
GAL
CRK

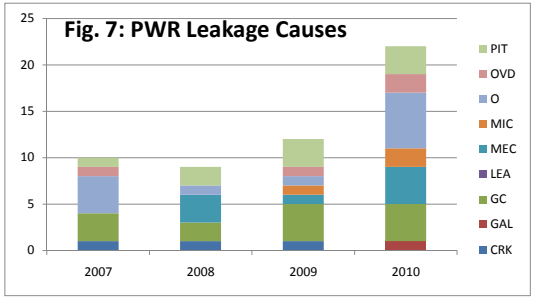


Fig. 7: PWR Leakage Causes
25
20
15
10
5
0
2007
2008
2009
2010
PIT
OVD
O
MIC
MEC
LEA
GC
GAL
CRK

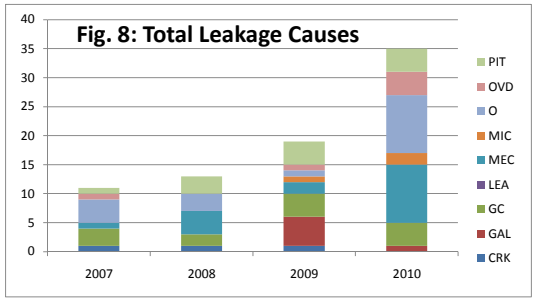


Fig. 8: Total Leakage Causes
40
35
30
25
20
15
10
5
0
2007
2008
2009
2010
PIT
OVD
O
MIC
MEC
LEA
GC
GAL
CRK

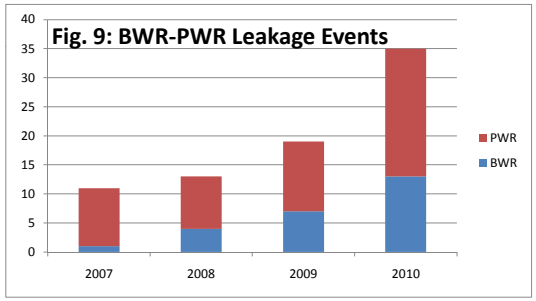


Fig. 9: BWR-PWR Leakage Events
40
35
30
25
20
15
10
5
0
2007
2008
2009
2010
PWR
BWR