

Power Reactor	Event Number: 43740
Facility: SURRY Region: 2 State: VA Unit: [1] [2] [ ] RX Type: [1] W-3-LP,[2] W-3-LP NRC Notified By: JASON L. SWEATMAN HQ OPS Officer: JOHN MacKINNON	Notification Date: 10/22/2007 Notification Time: 16:19 [ET] Event Date: 10/22/1976 Event Time: 14:00 [EDT] Last Update Date: 10/22/2007
Emergency Class: NON EMERGENCY 10 CFR Section: 50.72(b)(2)(xi) - OFFSITE NOTIFICATION	Person (Organization): EUGENE GUTHRIE (R2 )

Unit	SCRAM Code	RX CRIT	Initial PWR	Initial RX Mode	Current PWR	Current RX Mode
1	N	N	0	Cold Shutdown	0	Cold Shutdown
2	N	Y	100	Power Operation	100	Power Operation

#### Event Text

##### OFFSITE NOTIFICATION DUE TO A SMALL LEAK - TRITIUM

"On October 20, 2007, Surry Power Station workers detected a minor water leak from an underground concrete storm drain pipe inside the station's protected area. This storm drain line flows into the station discharge canal and is monitored by station personnel. Workers had excavated this pipe to conduct inspection activities when they noticed water leaking at a rate of 1 to 2 drips per minute from a pipe joint. The leak rate was estimated at one-half a gallon per day.

"A sample of the leaking water was evaluated for tritium as part of an industry ground water protection initiative and determined to have a concentration of 31,900 picoCuries per liter. This tritium leak poses no threat to employees or the public. There is no indication that tritium has migrated off the Surry site undetected. Monitoring wells on the perimeter of the Surry site and on-site drinking water well samples have not shown any indication of tritium. Leakage from this section in the storm drain line is ultimately recaptured by the building foundation dewatering system surrounding adjacent site structures and returned to the storm drain line.

"This leak has been contained and maintenance activities are under way to repair the storm drain line.

"This notification is being transmitted due to Notification of Other Government Agencies under 10CFR50 72(b)(2)(xi) The Surry County Administrator was notified. The Senior NRC Resident, Virginia Department of Health, Virginia Department of Emergency Management and Virginia Department of Environmental Quality will be notified."

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