

Power Reactor	Event Number: 43813
Facility: MILLSTONE Region: 1 State: CT Unit: [ ] [ ] [3] RX Type: [1] GE-3,[2] CE,[3] W-4-LP NRC Notified By: GARY CLOSIUS HQ OPS Officer: JOE O'HARA	Notification Date: 11/29/2007 Notification Time: 16:31 [ET] Event Date: 11/28/2007 Event Time: 17:24 [EST] Last Update Date: 11/29/2007
Emergency Class: NON EMERGENCY 10 CFR Section: 50.72(b)(2)(xi) - OFFSITE NOTIFICATION	Person (Organization): JOHN ROGGE (R1 ) FRÉDERICK BROWN (NRR ) BRIAN McDERMOTT (IRD )

Unit	SCRAM Code	RX CRIT	Initial PWR	Initial RX Mode	Current PWR	Current RX Mode
3	N	Y	100	Power Operation	100	Power Operation

**Event Text**

OFFSITE NOTIFICATION OF HIGH TRITIUM LEVELS IN SUMP

"This communication is being made in accordance with 50.72(b)(2)(xi) and the Nuclear Energy Institute (NEI) Industry Ground Water Protection Initiative. Millstone Power Station and other nuclear power stations across the country are participating in this voluntary initiative to develop and improve ground water protection programs at nuclear power stations. This communication provides notification of preliminary sample analysis of water that seeped into the foundation drain sump outside of the Millstone Unit 3 engineered safety features building. This water is pumped to the station yard drain system and discharged to Long Island Sound via a permitted and monitored pathway for the station. Tritium was detected at a concentration of approximately 34,000 picoCuries per liter in a sample of the water from the sump. The NEI reporting threshold for tritium concentrations is 20,000 picoCuries per liter.

"Investigation into the source of the tritium is underway and at the present time the source has not been determined.

"The presence of tritium at this location does not present a health hazard to plant employees or the general public. Samples from several wells closest to the affected sump show no detectable concentrations of tritium. Additional sampling is underway. Based on the known hydrology of the site, public drinking water supplies are not affected.

"The licensee notified the following agencies: CT Department of Environmental Protection, CT Department of Emergency Management and Homeland Security, CT Department of Public Utilities Control, The Town of Waterford, and The Town of East Lyme."

The licensee performed pump maintenance in the sump. At the same time, they performed samples of the water in the sump and found the high tritium concentration in the samples taken.

The licensee notified the NRC Resident Inspector.