

Power Reactor	Event Number: 45821
Facility: SALEM Region: 1 State: NJ Unit: [] [2] [] RX Type: [1] W-4-LP,[2] W-4-LP NRC Notified By: MATTHEW MOG HQ OPS Officer: PETE SNYDER	Notification Date: 04/07/2010 Notification Time: 21:11 [ET] Event Date: 04/06/2010 Event Time: 08:30 [EDT] Last Update Date: 04/08/2010
Emergency Class: NON EMERGENCY 10 CFR Section: 50.72(b)(2)(xi) - OFFSITE NOTIFICATION	Person (Organization): JAMES TRAPP (R1DO)

Unit	SCRAM Code	RX CRIT	Initial PWR	Initial RX Mode	Current PWR	Current RX Mode
2	N	Y	86	Power Operation	86	Power Operation

Event Text

STORM DRAIN SYSTEM TESTED POSITIVE FOR TRITIUM

"On 4/06/10, Salem management was notified that samples taken from the Salem Unit 2 north storm drain system were positive for tritium. Two storm drain catch basin sample results were confirmed above 1 million pico Curies per liter. The affected area of the north storm drain system has been isolated. Samples upstream of the river outfall were less than the minimum detectable level for tritium.

"NRC reporting criteria were reviewed and, although no direct reportable criteria were met, based on the public sensitivity to tritium issues, it was determined that a voluntary notification to the NRC was prudent.

"Salem is taking action to mitigate, locate, and remediate the source of the tritium. In addition to isolating the affected portion of the system, the station has increased the sample frequency for the storm drain system and ground water wells in the affected area.

"A voluntary notification has been made to the appropriate State agency and the NRC Resident Inspector."

* * * UPDATE FROM TOM BYKKONEN TO PETE SNYDER ON 4/8/10 AT 2025 * * *

"Based on further evaluation, Salem officially notified the New Jersey Department of Environmental Protection of the above tritium spill on 4/8/10 at 2003. This notification to New Jersey is reportable in accordance with 10 CFR 50.72(b)(2)(xi)."

The licensee notified the NRC Resident Inspector.

Notified R1DO (Trapp).