

Power Reactor	Event Number: 43891
Facility: BROWNS FERRY Region: 2 State: AL Unit: [1] [2] [3] RX Type: [1] GE-4,[2] GE-4,[3] GE-4 NRC Notified By: MICHAEL D. HUNTER HQ OPS Officer: KARL DIEDERICH	Notification Date: 01/10/2008 Notification Time: 15:08 [ET] Event Date: 01/10/2008 Event Time: 12:21 [CST] Last Update Date: 01/10/2008
Emergency Class: NON EMERGENCY 10 CFR Section: 50.72(b)(2)(xi) - OFFSITE NOTIFICATION	Person (Organization): MALCOLM WIDMANN (R2)

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

### Event Text

#### OFFSITE NOTIFICATION - SPILL OF WATER CONTAINING TRITIUM

"This is a voluntary notification for a spill of water containing tritium as specified in section 2.2.a.iii, of Nuclear Energy Institute document NEI 07- 07 entitled 'Industry Groundwater Protection Initiative.' On January 5, 2008 at 13:55, Browns Ferry Nuclear (BFN) Plant operations personnel received a high water level alarm on a sump located within the plant, at the Condensate Piping Tunnel. The high water level was corrected within 3 hours of the alarm. Investigation into this condition determined that the water came from an overflow of the Unit 3 Condensate Storage Tank into the tunnel as a result of failed tank level instrumentation. The water was immediately transferred to the plant radioactive waste system for processing. Laboratory analysis results received on January 9, 2008 indicated this water contained 2.2 E-03 uCi/ml tritium. Based on the tunnel construction, there is a potential for a small amount of this water to permeate into the ground. Subsequent to the spill, a sample obtained from the ground water sampling well adjacent to the tunnel showed no detectable level of tritium. BFN routinely monitors the ground water for radioactivity in accordance with the NEI Groundwater Protection Initiative. Tritium levels at BFN have never reached or exceeded the Environmental Protection Agency drinking water limit. This spill was contained within the plant structure and will not increase the dose to the public. As such, this event poses no threat to public health or safety.

"The licensee notified the NRC Resident Inspector.

"This event is reportable as a 4-hour Non-Emergency Notification report in accordance with 10CFR50.72(b)(2)(xi) Any event or situation, related to the health and safety of the public or onsite personnel, or protection of the environment, for which a news release is planned or notification to other government agencies has been or will be made."

J-105