

## Sheehan, Neil

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**From:** Sheehan, Neil  
**Sent:** Monday, November 23, 2009 8:37 AM  
**To:** 'sadkins@ydr.com'; 'editor@pressandjournal.com'; 'mdobeneck@patriot-news.com'; 'ckauffman@yorkdispatch.com'; 'acrabable@lnpnews.com'; 'WSBANews@Cumulus.Com'; 'news8@wgal.com'; 'citydesk@patriot-news.com'; 'news@cbs21.com'; 'news@ydr.com'; 'chirko@ydr.com'; 'info@pcntv.com'  
**Subject:** Update on TMI-1 radiation contamination event  
**Attachments:** TMIEvent.11-23-2009.pdf

Here is the Event Notification for the Three Mile Island 1 worker contamination event on Saturday.

The containment building was evacuated of approximately 175 workers after alarms sounded due to high airborne radiation levels. After checking the workers, it was determined 16 had measurements of between 10 and 20 millirems, two between 20 and 30 millirems and one between 30 and 40 millirem. A millirem is a measurement of exposure to radiation. The average American receives about 360 millirems of radiation exposure each year, from natural and manmade sources. The annual federal limit for occupational exposure to radiation is 5,000 millirems.

Exelon is currently performing minimal work inside the containment building until the cause of the event is fully understood.

Our Resident Inspectors reported to the site on Saturday to monitor the company's response to the event. Yesterday, we had two radiation safety specialists on site, as well. The NRC will continue to follow Exelon's actions, including its development of a root cause evaluation.

Please let me know if you need additional information.

Neil Sheehan  
NRC Public Affairs  
(610) 337-5331

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"On 11/21/2009 at 14:27, two individuals arrived at the Surry Power Station Security Checkpoint with an accidental gun shot victim. The three individuals were hunting approximately one mile offsite when one individual was accidentally struck by gun fire. The other two individuals transported the injured individual to the Security Checkpoint at the station. Station personnel contacted the local Sheriff's Department, local Volunteer Rescue Squad, Virginia State Police, and Air Ambulance for assistance. Wounds do not appear to be life threatening, and the individual is being transported offsite via Air Ambulance.

"The site NRC Resident has been notified.

"This notification is being transmitted due to notification of other Government Agencies in accordance with 10CFR50.72 (b)(2)(xi)."

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Power Reactor	Event Number: 45514
Facility: THREE MILE ISLAND Region: 1 State: PA Unit: [1] [ ] [ ] RX Type: [1] B&W-L-LP,[2] B&W-L-LP NRC Notified By: ROGER BARNES HQ OPS Officer: BILL HUFFMAN	Notification Date: 11/22/2009 Notification Time: 01:13 [ET] Event Date: 11/21/2009 Event Time: 22:45 [EST] Last Update Date: 11/22/2009
Emergency Class: NON EMERGENCY 10 CFR Section: 50.72(b)(2)(xi) - OFFSITE NOTIFICATION	Person (Organization): RAYMOND MCKINLEY (R1DO) SAMSON LEE (NRR) SAM COLLINS (R1 R) JOHN GROBE (NRR) MICHAEL JOHNSON (EDO) BRIAN McDERMOTT (IRD) COMM ASSTS BRIEFING ( )

Unit	SCRAM Code	RX CRIT	Initial PWR	Initial RX Mode	Current PWR	Current RX Mode
1	N	N	0	Refueling	0	Refueling

**Event Text**

RADIATION RELEASE IN CONTAINMENT ASSOCIATED WITH STEAM GENERATOR REMOVAL

"This event is being reported via the ENS to the NRC Operations Center within four hours after notifications were made to the Pennsylvania Emergency Management Agency and local counties for an event of potential public interest. This notification was made at 22:45 on November 21, 2009, after the occurrence of an event related to the safety and health of onsite personnel for which a press release has been made. The press release was made following the event of potential public interest notifications. This report is being made under 10 CFR 72.75(b)(2).

"At approximately 16:00 on Saturday November 21, 2009, low levels of radiation activity were measured on radiation monitors installed in the TMI-1 reactor building. Personnel were directed to immediately leave the reactor building until the source of the activity could be identified. Surveys directly outside of the reactor building construction opening indicated a slight increase in activity. Levels have returned to normal. No contamination was identified outside of the reactor building. Approximately 150 workers were monitored for exposure to the radiation activity. No worker approached or exceeded any exposure limits. The sources of the activity are believed to be from maintenance tasks related to cutting lines in preparation for removal of the 'B' Steam Generator."

The licensee is still investigating the cause of the event but indicated that the radiation release is no longer in progress. Containment Ventilation is established to provide an inflow into containment to the extent possible (considering the openings in containment).

The licensee contacted state and local authorities and the Pennsylvania Emergency Management Agency (PEMA). The

licensee notified the NRC Resident Inspector. The licensee has also issued a press release.



Power Reactor	Event Number: 45515
Facility: SUMMER Region: 2 State: SC Unit: [1] [ ] [ ] RX Type: [1] W-3-LP NRC Notified By: BOB WILLIAMSON HQ OPS Officer: PETE SNYDER	Notification Date: 11/22/2009 Notification Time: 16:31 [ET] Event Date: 11/22/2009 Event Time: 16:00 [EST] Last Update Date: 11/22/2009
Emergency Class: UNUSUAL EVENT 10 CFR Section: 50.72(a) (1) (i) - EMERGENCY DECLARED	Person (Organization): JONATHAN BARTLEY (R2DO) LUIS REYES (R2) ERIC LEEDS (NRR) BRIAN McDERMOTT (IRD) BILL ROPER (DHS) WILLIAM BARDEN (FEMA)

Unit	SCRAM Code	RX CRIT	Initial PWR	Initial RX Mode	Current PWR	Current RX Mode
1	N	N	0	Cold Shutdown	0	Cold Shutdown

**Event Text**

**FIRE IN THE 1A SWITCHGEAR ROOM**

The licensee declared a Notice of Unusual Event (NOUE) condition onsite per Emergency Action Level HU2.1 'Fire within the Protected Area not extinguished within 15 min. of detection or explosion within the Protected Area.'

The fire is in the [non-safety] 1A 7.2 kV switchgear room. Both Engineered Safety Features buses are being supplied by offsite power. The plant remains shutdown and stable in mode 5. Offsite assistance was called to fight the fire. The licensee confirmed the fire as extinguished at 1640 EST and is monitoring the area.

The licensee notified the NRC Resident Inspector.

\*\*\* UPDATE FROM WILLIAMSON TO SNYDER AT 1906 ON 11/22/09 \*\*\*

The licensee terminated the NOUE at 1855 EST. Upon inspection of the area the licensee noted that 3 areas of non-safety switchgear were affected. Offsite assistance was used in fighting the fires and has since been released.

Notified R2DO (Bartley), NRR EO (Lee), IRD (McDermott), DHS (Vestal), and FEMA (Burckhardt).