

**From:** Headquarters Operations Officer 1  
**To:** Irc1; John White; Tim McGinty  
**Date:** 4/17/05 2:28PM  
**Subject:** Updated Millstone Event Notice # 41607: 04/17/2005

Draft attached

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Power Reactor

Event # 41607

<b>Site:</b> MILLSTONE		<b>Notification Date / Time:</b> 04/17/2005 09:24 (EDT)				
<b>Unit:</b> 3	<b>Region:</b> 1	<b>State :</b> CT	<b>Event Date / Time:</b> 04/17/2005 08:29 (EDT)			
<b>Reactor Type:</b> [1] GE-3,[2] CE,[3] W-4-LP		<b>Last Modification:</b> 04/17/2005				
<b>Containment Type:</b> MARK I DRY AMB DRY SUB						
<b>NRC Notified by:</b> MICHAEL GOBELI		<b>Notifications:</b> SAM COLLINS RA				
<b>HQ Ops Officer:</b> JOHN KNOKE		TIM MCGINTY IRD				
<b>Emergency Class:</b> ALERT		JIM DYER ET				
<b>10 CFR Section:</b>		R1 BLAST DIAL				
50.72(a) (1) (i)	EMERGENCY DECLARED	E. BRENNER PAO				
50.72(b)(2)(iv)(A)	ECCS INJECTION					
50.72(b)(2)(iv)(B)	RPS ACTUATION - CRITICAL					
50.72(b)(3)(iv)(A)	VALID SPECIF SYS ACTUATION					
Unit	Scram Code	RX Crit	Init Power	Initial RX Mode	Curr Power	Current RX Mode
3	A/R	Yes	100	Power Operation	0	Hot Standby

ALERT DECLARED DUE TO UNIT 3 MAIN STEAM RELIEF VALVES NOT RESEATING AFTER ACTUATION  
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At 08:29 the licensee indicated several main steam relief valves lifted and stayed open. A low pressure signal from the secondary steam generator caused the Unit 3 reactor to trip. All rods fully inserted as required. Activation of the RPS initiated safety injection which caused the pressurizer to go solid. The primary reactor coolant system and secondary main steam system have been stabilized and pressurizer level and pressure are within normal set points. At 09:35 licensee reported all safety relief valves have resealed. Decay heat is being directed to the atmospheric dumps due to the main condenser not being available. The licensee is attempting to establish ERDS.

Initial assessment of this incident is believed not to be security related, however, follow-up is being conducted to verify same. At 09:48 the NRC management made a decision to enter into Monitoring. At about 11:15 the licensee indicated a valve was leaking in the charging system so it was isolated. Licensee stated there were no radiological releases and no indication of S/G tube leakage.

Licensee notified State and will notify the NRC Resident Inspector. Notified DHS (Doyle), FEMA (Biscue), DOE (Smith), USDA (Magners), and HHS (Hogan).

\*\*\* UPDATE FROM D. DODSON TO W. GOTT 1328 EDT 04/17/05 \*\*\*

"At approximately 0830 on April 17, 2005 Millstone Unit 3 experienced an automatic reactor trip from full power. The Reactor is in a stable shutdown condition and is proceeding to Mode 5 cold shutdown. No release of radioactivity other than those minor releases associated with normal plant operation has occurred. There were no personnel injuries associated with the event.

"In addition to the Reactor Trip, half-train Safety Injection (SI) and half-train Main Steam Isolation (MSI) actuations occurred. Control room personnel were successful at manually initiating full SI and MSI. SI has since been terminated and RCS pressure control has been restored. Multiple steam line safety valves (MSSV) lifted with at

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least one MSSV indicating a failure to reclose. As a result, an ALERT was declared at approximately 0853 due to the failure of at least one MSSV failing to reclose. All MSSV's are currently closed. Auxiliary Feedwater (AFW) actuated automatically as expected, however; the turbine driven auxiliary feedwater pump (TDAFWP) tripped on start-up and was subsequently reset locally. Both motor driven auxiliary feedwater pumps (MDAFWPs) operated as expected to maintain steam generator water levels. Due to the additional inventory injected to the Reactor Coolant System (RCS) as a result of the SI actuation, the pressurizer filled and a primary system safety valve (PSSV) actuated at a lower than expected pressure. All PSSV's are currently closed, however, there is indication of leakage past either a PSSV or Pilot Operated Relief Valve (PORV). Upon alignment of the Charging system to Refueling Water Storage Tank recirculation flow path, 2 valves had indication of packing leakage. Those packing leaks have been terminated.

"The cause of the event is under investigation.

The licensee has issued a press release. The licensee will notify the NRC Resident Inspector. Notified R1 DO (J. White) and IRD Manager (T. McGinty)

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*\*\*\* Event Summary \*\*\**

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**41607 MILLSTONE**

**ALERT**

*This Event has been updated !!!*

50.72(a) (1) (i)	EMERGENCY DECLARED
50.72(b)(2)(iv)(A)	ECCS INJECTION
50.72(b)(2)(iv)(B)	RPS ACTUATION - CRITICAL
50.72(b)(3)(iv)(A)	VALID SPECIF SYS ACTUATION