

DCS No: 5000387851011  
Date: October 11, 1985

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-I-85-78A (UPDATE)

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by the Region I staff on this date.

Facility:

Pennsylvania Power & Light Company  
Susquehanna Steam Electric Station  
Unit 1  
Docket No. 50-387

Licensee Emergency Classification:

☐ Notification of Unusual Event  
☐ Alert  
☐ Site Area Emergency  
☐ General Emergency  
☒ Not Applicable

Subject: REACTOR WATER CLEANUP (RWCU) ISOLATION AND RADIOACTIVE SPILL (UPDATE)

PNO-I-85-78 reported a reactor coolant spill to the 779 foot elevation of the Unit 1 Reactor Building on October 11, from the reactor water cleanup (RWCU) system. Some activated resin was also spilled. The spill occurred while performing maintenance testing on the 'A' Filter Demineralizer (FD) outlet flow control valve. Movement of the process control switch during the testing actuated several other valves and allowed reactor coolant pressure to reach low pressure portions of the system. The spill occurred when the 150 psig precoat feed relief valve lifted and the flow rate exceeded floor drain capacity. The spill has been cleaned up and access to the area restored. The licensee performed a system walkdown, valve lineup and a test procedure to verify system integrity. No damage or mispositioned valves were noted. The RWCU system was returned to service on 10/13 at 6:30 a.m. on the 'B' FD. Reactor coolant chemistry remained satisfactory even though the RWCU system was isolated for 44 hours. Unit 1 operated at full power throughout the event and recovery.

At 11:32 a.m., 10/13, while attempting to restore the 'A' FD, the 150 psig relief valve again lifted causing a minor spill (about 10 gallons) and the RWCU system isolated again. The inlet 'A' FD isolation valve is apparently grossly leaking by. The 'A' FD had been backwashed on 10/12 to remove activated resin, and hence there was no radiological hazard with the second spill. The RWCU system has been restored on the 'B' FD, and the 'A' FD remains isolated pending further investigation.

The Commonwealth of Pennsylvania has been notified.

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