

Date: 4/27/81

## PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-I-81-57

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

Facility: Philadelphia Electric Company  
Peach Bottom Units 2 & 3 (DNs 50-277 and 50-278)  
Delta, Pennsylvania

Subject: RADIOACTIVE WASTE DISCHARGE LINE BREAK

During a routine planned monitored discharge of radioactive liquid effluent on April 27, 1981 at about 1:30 p.m., water was observed flowing from the ground in the vicinity of the radioactive waste discharge line. The four inch line is buried to a depth of six feet, and is the common discharge header for Unit 2 and 3. Upon discovery the discharge was terminated and subsequently the observed flow of water from the ground ceased, which is evidence that the buried line is damaged. The leakage was observed downstream from the radioactive waste monitor, on the owner controlled property.

Water samples in the area reveal approximately  $3 \times 10^{-5}$  uCi/ml gross activity. Primary constituents appear to be Cs-134,  $2.7 \times 10^{-6}$  uCi/ml; Cs-137,  $4 \times 10^{-6}$  uCi/ml; Co-60,  $2 \times 10^{-6}$  uCi/ml; and Zn-65,  $2 \times 10^{-6}$  uCi/ml which results in approximately 60% of the values specified in 10 CFR 20, Appendix B, Table II, Column 2.

The licensee has established radiological control over the area (approximately 50 square feet), and is performing sampling and excavation to determine the extent of the spill. Some of the leakage was observed to flow into the discharge canal, which was the original destination of the water.

NRC Region I was notified by the SRI at 3:30 p.m. on April 27, 1981. No NRC or licensee press release is planned at this time. The Commonwealth of Pennsylvania has been notified.

This PN is for information only and the SRI will continue to followup on this event.

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