

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-I-89-43

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:
Duquesne Light Company
Beaver Valley Unit 2
Docket Number: 50-412

Licensee Emergency Classification:
 Notification of Unusual Event
 Alert
 Site Area Emergency
 General Emergency
 Not Applicable

Subject: REACTOR SHUTDOWN AND UNUSUAL EVENT

Beaver Valley Unit 2 declared an Unusual Event at approximately 10:00 a.m. due to excessive Reactor Coolant System (RCS) leakage and initiated a Technical Specification required shutdown. The leakage initiated at about 7:30 a.m. and continued at a steady value despite initial licensee actions to isolate the leak. The licensee took data and was able to quantify the leak at about eight gallons per minute. The licensee made an entry into the subatmospheric Containment Building to locate the leak while initiating an orderly shutdown from 75% power due to RCS unidentified leakage exceeding the Technical Specification limit of one gallon per minute. Technical Specifications require the plant to be in hot standby within 6 hours and in cold shutdown within the following 30 hours unless the source of the leakage is identified or the rate is reduced. During the shutdown, a rod control system problem developed which precluded rod movement. The licensee continued the shutdown using RCS boration; reactor scram capability was not affected. The licensee has subsequently corrected the problem.

Based on preliminary results of the containment entry, a leak was identified at an RCS flow instrument line cap. The leak was subsequently stopped. The licensee stabilized the plant at about 20% power and is monitoring plant parameters to confirm that the leak has been stopped.

The Commonwealth of Pennsylvania has been informed.

CONTACT: Lowell E. Tripp
FTS 346-5227

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