

DMB

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 III staff on this date.

BM

Facility: Consumers Power Company
 Palisades Nuclear Generating Plant
 Covert, MI 49043

Docket No: 50-255

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

Subject: UNIDENTIFIED LEAKAGE OF PRIMARY COOLANT; PLANT SHUT DOWN

At 4:52 a.m., April 10, 1986, the licensee began shutting down the reactor when an unidentified leak in the primary coolant system surpassed one gallon per minute, the technical specification limit for unidentified leakage. (The unit reached hot shutdown at 1:56 p.m., April 10.)

The licensee's investigation determined that a relief valve in the letdown system was leaking primary coolant into the quench tank. This additional liquid was not immediately identified because the leakage did not raise the quench tank level, but was vented to a drain through a mislabeled, mispositioned valve. Additional unidentified leakage exists in the letdown system to the quench tank, but the leakage rate is now within tech spec limits. (Minor leakage of .01 gpm was found near the control rod drive mechanisms.)

The unit will remain in hot shutdown while the licensee continues searching for the source of the remaining unidentified leakage. The Unusual Event classification was terminated at 11:10 p.m., April 10, 1986.

The Resident Inspectors are following the licensee's course of action. The State of Michigan will be notified.

Region III (Chicago) was first informed of this event at 8 a.m., (CST) April 10, 1986. Updated information was received at 8 a.m. (CST), April 11, 1986. This information is current as of 11:45 a.m., April 11, 1986.

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