

April 26, 1982

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-82-49

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 IE staff on this date.

FACILITY: Carolina Power & Light Company
Robinson Unit 2
Docket No. 50-261
Hartsville, South Carolina

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

SUBJECT: BROKEN REACTOR COOLANT PUMP BOLTS

The licensee has reported that during disassembly of one of the reactor's three main coolant pumps, which had been removed from the reactor coolant system for the 10-year inservice inspection, four of 16 stainless steel bolt heads broke off. The bolts, which are internal to the pump, hold the diffuser adaptor to the casing adaptor and are 5/8-inch in diameter by four inches in length. The licensee also identified cracking in several additional bolts.

The bolts were sent to the licensee's metallurgy laboratory at Raleigh, North Carolina. The problem was initially believed by the licensee to be associated with stress corrosion. However, Westinghouse, the pump manufacturer, believes the problem is due to fatigue. Region II is obtaining samples for independent analyses.

The licensee is reporting the event under the provisions of 10 CFR 21. Information developed thus far is being evaluated. The licensee will not return the unit to operation without NRC concurrence. Region II is issuing a Confirmation of Action letter.

Media interest may occur. The licensee does not plan to issue a news release but will respond to media inquiries.

The State of South Carolina has been informed.

Region II (Atlanta) received notification of this occurrence by telephone from the resident inspector at 8:30 a.m. (EST) on April 23

This information is current as of 10 a.m. on April 26.

Contact: J. J. Blake, RII 242-5618; A. R. Herdt, RII 242-5535

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USDOT/MTB/DMT-122.4 (as applicable)