

DCS No: 50443900428

Date: April 30, 1990

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-I-90-37

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:
Public Service of New Hampshire
New Hampshire Yankee Division
Seabrook Nuclear Power Station
Westinghouse Four-Loop
Docket No. 50-443
Seabrook, New Hampshire

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

Subject: UNPLANNED SHUTDOWN FOR FOUR TO SIX WEEKS

On April 28, 1990, the power ascension program torsional test of the main turbine-generator was completed. Analysis showed, at the 15th harmonic of a resonance peak of 119.5 rpm, a critical speed of 1792.5 rpm (1800 rpm is synchronous speed). A normal plant shutdown was accomplished on April 28. General Electric Large Steam Turbine Group representatives are on site and will recommend temporary modifications to shift the resonance peak. Those modifications are expected to take four to six weeks, and to consist of selective low pressure turbine blade staking or removal. A permanent modification is tentatively planned during the first refueling outage.

The licensee made a press release. The State of New Hampshire has been notified.

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