

January 2, 1986

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-86-1

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 II staff on this date.

FACILITY: Florida Power Corporation
Crystal River Unit 3
Docket No. 50-302
Crystal River, Florida

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

SUBJECT: UNSCHEDULED SHUTDOWN GREATER THAN 48 HOURS

The Crystal River Unit 3 reactor tripped from high flux to flow while the plant was operating at 93 percent power at 11:34 p.m. (EST) yesterday, as the result of what could be a sheared shaft on one of the plant's four reactor coolant pumps. Operators observed a reduction in the pump's operating motor current and detected signs that first and second shaft seals were damaged.

The resulting turbine generator trip caused a pressure increase in the unit's secondary system, actuating the emergency feedwater initiation and control system and causing the lifting of steam generator safety valves, one of which stuck open until it was manually unstuck. Emergency feedwater flow to the steam generators was secured within 10 minutes. The primary system experienced minimal cooldown.

The plant, now in hot standby, will be cooled down further so that repairs can be made.

Region II is planning to send a team of inspectors to the site to follow Florida Power's repairs and analysis of this incident.

Florida Power and Region II have responded to media inquiries.

The State of Florida has been informed.

Florida Power informed the NRC headquarters incident response center of this occurrence by telephone at 11:54 p.m. yesterday. This information is current as of 2 p.m. today.

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(Reactor Licensees)
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