

March 14, 2013

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE - PNO-II-13-003

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. Some of the information may not yet be fully verified or evaluated by the Region II staff.

Facility

St. Lucie Nuclear Plant, Unit 1
Florida Power and Light Co.
Jensen Beach, FL
Docket: 50-335

Licensee Emergency Classification

☐ Notification of Unusual Event
☐ Alert
☐ Site Area Emergency
☐ General Emergency
☒ Not Applicable

SUBJECT: UNPLANNED SHUTDOWN GREATER THAN 72 HOURS DUE TO CLOSURE OF B TRAIN STEAM GENERATOR MAIN STEAM ISOLATION VALVE.

On March 12, 2013, at 2:51 p.m. EDT, during normal full power operations, Unit 1 automatically tripped when the thermal margin/low pressure (TMLP) trip setpoint was exceeded. The TMLP setpoint is based, in part, on inputs associated with the differential steam pressure between the A and B steam generators. The trip setpoint was exceeded due to an interruption of steam flow from B steam generator as a result of an unexpected closure of the B main steam isolation valve. The trip response was uncomplicated and all control element assemblies (CEAs) fully inserted into the core. No automatic safety system actuations were required and none occurred. This preliminary notification is being made because the Unit 1 outage will take more than 72 hours while the licensee investigates the cause for the reactor trip.

The NRC resident inspectors continue to monitor the licensee's actions. The State of Florida has been notified via telephone. This preliminary notification is issued for information only. The information presented herein has been discussed with the licensee, and is current as of 11:45 a.m. on March 14, 2013.

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