

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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SUBJECT: Special rept: on 870523, turbine bldg vent stack wide-range gas monitor # RM-35361-1 declared inoperable due to loss of process flow. Caused by shorted sensing element. Element & current card adjusted & clibr.

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 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

NOTES: Application for permit renewal filed. 05000400

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Carolina Power & Light Company

HARRIS NUCLEAR PROJECT

JUN 15 1987

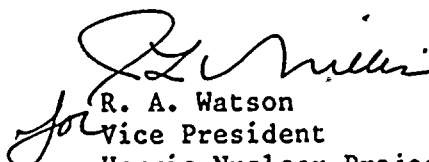
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HARRIS NUCLEAR PROJECT UNIT 1
DOCKET NO. 50-400
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NRC 14-DAY SPECIAL REPORT

In accordance with Technical Specifications 3.3.3.6 and 6.9.2 for the Shearon Harris Nuclear Power Plant, Unit No. 1, Carolina Power & Light Company hereby submits this Special Report. This Special Report concerns the operability of a radiation monitor.

Very truly yours,


R. A. Watson
Vice President
Harris Nuclear Project

RAW/ONH/skm

Enclosure

cc: Dr. J. N. Grace (NRC-RII)
Mr. G. Maxwell (NRC-SHNPP)
Mr. B. Buckley (NRR)

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ACCIDENT RADIATION MONITOR SPECIAL REPORT

Description of Event

On May 23, 1987, at 1830, the Turbine Building Vent Stack Wide Range Gas Monitor (WRGM) # RM-3536-1 was declared inoperable due to loss of process flow. This accident monitor is identified in Technical Specification Table 3.3-10 as Item 23. The compensatory actions required by Technical Specification 3.3.3.11 to allow continued effluent releases are: (1) grab sampling every 12 hours and (2) continuous sampling with auxiliary sampling equipment. These compensatory actions were performed while the monitor was inoperable and all analysis results were within specified limits. The monitor was repaired and returned to service on June 4, 1987. The monitor was out of service for greater than 7 days; thus, a Special Report is required to be submitted per the Technical Specifications.

Cause

The cause of this event was equipment failure; the inoperability of the monitor was due to a shorted flow sensing element (#5) in the "Kurz" system. During repair, additional problems were found with the current, profiler, and averager cards associated with the flow element, as described below. The shorted element had caused subsequent damage throughout its loop.

Corrective Actions

The new flow element and its associated current card were adjusted and calibrated. The surveillance test for the equipment was run, but it failed. Troubleshooting on May 31 revealed a defective profiler card in the loop. The profiler card was replaced, and the new card was determined to also be defective. Both the new profiler card and an averager card were repaired on June 1. The cards were re-installed on June 2. The surveillance test was successfully completed on June 3, and the monitor was declared operational on June 4, 1987.

