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REPORT DATE

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PDR ADOCK 05000373
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I. LER NUMBER: 1-82-089/03L-0

II. LASALLE COUNTY STATION: UNIT 1

III. DOCKET NUMBER: 050-373

IV. EVENT DESCRIPTION:

On August 15, 1982 at 5:37 p.m. the Reactor Core Isolation Cooling turbine tripped on overspeed during the performance of Start-Up Test 14 step 10.2.F, Vessel Injection Cold Quick Start Test. This was a level 1 acceptance criteria.

V. PROBABLE CONSEQUENCES OF THE OCCURRENCE:

At the time of the occurrence Unit 1 was in the run mode at approximately 300 MWT., rated pressure and temperature. All ECCS Systems were operable. Had a high pressure injection system been needed for emergency core cooling, the High Pressure Core Spray would have initiated. Safe plant operation was maintained at all times. The RCIC Turbine was manufactured by Terry Steam Turbine Co.

VI. CAUSE:

Analysis of General Electric Startrec Traces monitoring the RCIC System indicated that the turbine governor valve was binding while traveling to the closed position in its unsuccessful attempt to control turbine speed. The startrec traces indicated that the problem originated in the mechanical section of the governor system and that the electronic governor section had operated properly.

VII. CORRECTIVE ACTION:

A work request was initiated to inspect the mechanical linkages of the RCIC governor valve. These linkages were disassembled to check for abnormal wear and binding. Slight indication of binding and wear were found and the linkages were reassembled and adjusted to vendor recommended tolerances.

The RCIC system was subsequently manually initiated to pump to and from the condensate storage tank. Governor valve response proved to be satisfactory during this test loop run.

Prepared by: R. W. Houston