

PRIORITY ATTENTION REQUIRED MORNING REPORT - REGION II**Morning Report Date: FEB 28, 2006****Licensee/Facility:**

SOUTHERN NUCLEAR OPERATING CO., INC.
Hatch
Baxley, Georgia
Dockets: 050-00321 050-00366
[1] GE-4, [2] GE-4

Notification:

MR Number: 2-2006-0001
Date: 02/28/2006
Call from Licensee

Subject: CRACKING INDICATIONS IN CORE SHROUD TIE RODS**Discussion:**

This report supplements Event Number 42372, dated February 23, 2006, regarding crack-like indications reported on the Upper Support Horizontal Support Surfaces for two core shroud tie rods located at 135 degrees and 225 degrees. Unit 1 is currently shutdown for a scheduled refueling outage and the indications were identified during the In-Vessel Visual Inspection (IVVI) of the tie rods. Four tie rods, located 90 degrees apart, were installed in 1994 and last inspected during the 1997 Unit 1 Refueling Outage. The licensee has determined that indications on the tie rods at 135 and 225 degrees did not exist at that time. IVVI also identified a loose bolt where the tie rod located at 315 degrees azimuth connects to the upper stabilizer assembly.

Unit 1 upper stabilizer assemblies are fabricated from an Inconel alloy. Based on available information, we believe this is the first identified case in US commercial reactors of core shroud tie rod horizontal support cracking. The licensee is currently working on operability and extent of condition determinations and repair/disposition of these indications.

Regional Action: The resident inspectors are monitoring the licensee's investigation of these indications and coordinating actions with NRR.

Contact:

FULLER, JUSTIN D

Org:

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Phone No:

(404) 562-4655

Email:

JDF@nrc.gov