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ACCESSION NBR:9005220161 DOC.DATE: 90/05/15 NOTARIZED: NO DOCKET #
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SUBJECT: Special rept: on 900405, loose parts detection sys channel out of svc greater than 30 days.

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10CFR50.36

May 15, 1990

U. S Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Gentlemen:

Re: St. Lucie Unit 2
Docket No. 50-389
Special Report
Date of Event: April 5, 1990
Loose Parts Detection System
Channel Out of Service

The attached Special Report is being transmitted pursuant to the requirements of St. Lucie Unit 2 Technical Specification 3.3.3.8 and pursuant to Technical specification 6.9.2. The report provides notification that a Loose Parts Detection System channel was out of service for greater than thirty (30) days and the plans for restoring the channel to service.

Should there be any questions on this information, please contact us.

Very truly yours,

D. A. Sager
Vice President
St. Lucie Plant

DAS:GRM:kw

DAS/PSL #161

Attachment

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, St. Lucie Plant

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PDR ADOCK 05000389
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NRC SPECIAL REPORT
ONE CHANNEL OF LOOSE PARTS MONITOR
OUT OF SERVICE FOR A PERIOD GREATER THAN
ALLOWED BY TECHNICAL SPECIFICATIONS

At 03:15 on April 5, 1990 channel 8 of the St. Lucie Unit 2 loose parts monitor was declared out of service because the alarm level could not be set at the proper value due to increased electrical noise. As required by Technical Specification 3.3.3.8, this Special Report is being submitted to notify the NRC that the channel has been out of service greater than 30 days. The cause of this failure has not yet been determined because not all areas of the system are accessible during power operations. All accessible areas of the system have been investigated. Efforts are continuing to identify the source of the electrical noise, and the mechanism for induction into the Loose Parts Monitoring System. At the next shutdown troubleshooting efforts will resume on the areas of the system not accessible while at power.

Channel 7 and 8 of the loose-part monitor are located on the 2B steam generator, thus channel 7 is still available for alarm functions on the 2B steam generator. Channel 8 is still available for analysis since the electrical noise is not continuous. Only the alarm level for potential low level impacts is affected.