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SUBJECT: Revises Paragraph I.B.4 of util 810611 ltr re preservice/ inservice exam. Augmented preservice & inservice insp programs have been established in accordance w/NUREG-0619.

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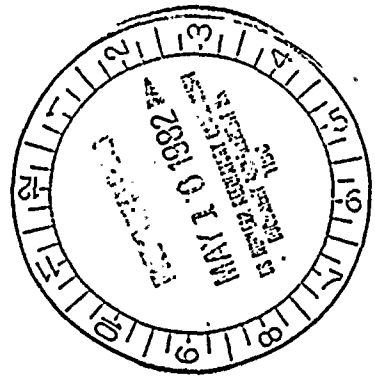

Mr. A. Schwencer, Chief
Licensing Branch No. 2
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U.S. Nuclear Regulatory Commission
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SUSQUEHANNA STEAM ELECTRIC STATION
PRESERVICE/INSERVICE EXAMINATION - NUREG 0619
ER 100450 FILE 841-2
PLA-1075

Docket Nos. 50-387
50-388

Reference: Letter dated 6/11/81 Curtis to Schwencer (PLA-807)

Dear Mr. Schwencer:

The following revises paragraph I.B.4 of PP&L's response to NUREG 0619 transmitted via the above referenced letter:

Inspections

Augmented Preservice and Inservice Inspection Programs have been established in accordance with the guidance of NUREG 0619 as follows:

a. A preservice surface examination of the accessible portions of the nozzle bore and inner radius has been performed on each of six (6) Unit #1 feedwater nozzles. A complete examination was not performed due to interference from the installed thermal sleeves and spargers. The liquid penetrant examinations were performed in accordance with GE I&SE procedure number ISE-QAI-331; no recordable indications were detected.

   The Unit #2 feedwater nozzles will be surface examined by liquid penetrant methods completely prior to sparger installation.

   Note also that all nozzle forgings have undergone complete shop magnetic particle inspection and have met ASME Section III requirements.

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b. A preservice ultrasonic examination of all six (6) feedwater nozzle inner radii, safe end, and bore regions have been performed. All safe ends were inspected in accordance with ASME Section XI requirements and GE I&SE procedure ISE-QAI-322, "Ultrasonic Examination of Similar and

Dissimilar Metal Welds." The inner radius and bore regions were separated into zones for examination purposes and examined in accordance with the following GE I&SE procedures:

ISE-QAI-332; Procedure for Nozzle Inner Radius Zone 2 Ultrasonic Examination.

ISE-QAI-333, Procedure for Nozzle Inner Radius Zone 3 Ultrasonic Examination.

ISE-QAI-334, Ultrasonic Examination of Nozzle Inner Radius, Zone 1.

These procedures represent specialized techniques for performance of this examination and were prepared for Susquehanna utilizing proven General Electric Company generic specifications E50YP32, E50YP33 and E50YP31, respectively.

Inspection personnel who performed these examinations with the specialized technique were qualified by actual field experience and/or on a full scale nozzle mock-up at the General Electric facility.

No recordable indications were detected.

c. The Inservice Inspection Program will include requirements for augmented periodic ultrasonic and liquid penetrant testing to determine the inservice integrity of feedwater nozzles in accordance with the schedule in NUREG 0619, Table 2, "Routine Inspection Intervals" and the provisions of Section 4.3, "Inspections." On line leakage monitoring provisions have not been included at Susquehanna SES as on-line leakage monitoring has yet to be proven as an effective quantitative measure of feedwater nozzle bypass leakage. Furthermore, on-line leakage monitoring has not been determined to be a suitable alternative to the inspection methods and intervals outlined in Table 2 of NUREG 0619.

In addition, the following revises paragraph II.C of PP&L's response to NUREG 0619:

Inspections

SSES Unit #1 liquid penetrant examinations, in accordance with GE I&SE procedure number ISE-QAI-331, have been performed on the CRDRL nozzle

blend radius, bore region, and reactor pressure vessel wall area eight (8) inches beneath the nozzle. No recordable indications were detected.

Examination similar to the above shall also be performed on Unit #2.

Very truly yours,

N. W. Curtis
Vice President-Engineering & Construction-Nuclear

TEG/mks.