ATTACHMENT 1

VIRGINIA ELECTRIC AND POWER COMPANY

SURRY NUCLEAR POWER STATION NO. 2

1991 ANNUAL STEAM GENERATOR INSERVICE INSFECTION REPORT

VIRGINIA ELECTRIC AND POWER COMPANY

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REFUELING OUTAGE - APRIL 1991 SURRY UNIT 2 STEAM GENERATOR "A" EXAMINATION SUMMARY

In "A" Steam Generator 1180 tubes were examined full length (tube end to tube end) with bobbin probes. This is approximately 35% of the available tubes. Of the tubes examined, two had indications between 10% and 19% through wall, one had a indication between 20% and 29% through wall, five had indications between 30% and 39% through wall, two were characterized as "Manufacturing Buff Marks" and four were characterized as "Indication Not Reportable." Refer to the table below for details. No tubes were plugged as a result of this inspection. However, one tube (R41, C28) that was previously plugged was replugged in response to NRC Bulletin 89-01 concerns. Another tube (R41, C27) previously plugged was deplugged, tested, and returned to service.

Ind.	Location	Row-Column
MBM 32 INR 33 35 32 INR MBM 30 INR INR 10 10 25	4H 7H 6C 5C 6C 6C 6C 6C 6C 1C 3C 7H 4V4 6C 6C 1C	R36C20 R31C27 R42C34 R6C38 R12C39 R12C41 R45C47 R45C47 R45C48 R36C51 R12C63 R32C79 R11C07 R12C87 R12C92

REFUELING OUTAGE - 1991 SURRY UNIT NO. 2, STEAM GENERATOR "C" EXAMINATION: SUMMARY

In "C" Steam Generator 1175 tubes were examined full length (tube end to tube end) with bobbin probes. This represents approximately 35% of the available tubes. Of the tubes examined, five had indications between 10% and 19% through wall, six had indications between 20% and 29% through wall, ten had indications between 30% and 39% through wall, and four were characterized as "Indication Not Reportable." Refer to the table below for details.

Ind.	Location	Row-Column
29 36 31 26 30 37 34 33 13 27 35 19 23 17 13 27 35 19 23 17 13 19 21 INR 34 32 39 INR 31 24 INR 31 24 INR	6H 6C 6C 6H AV4 5C 4H 5C 3 4H 6C 3 3 5H 7 7 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	R34C16 R18C18 R22C22 R14C26 P43C31 R27C41 R27C41 R35C44 R46C48 R28C49 R45C53 R40C54 R17C56 R40C62 R42C62 R40C63 R14C66 R23C71 R18C82 R25C84 R25C84 R25C84 R24C86 R22C88 R2C90 R15C90 R15C90 R12C91 R2C92

ATTACHMENT 2

GLOSSARY OF TERMS SURRY POWER STATION ANNUAL STEAM GENERATOR INSERVICE INSPECTION REPORT

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ANNUAL STEAM GENERATOR REPORT EDDY CURRENT TUBE INSPECTION

GLOSSARY OF TERMS

- COI Circumferentially Oriented Indication describes a circumferentially oriented indication signal from Rotating Pancake probe data - eitner single or multiple signals - SCI or MCI will be used it it is possible to clearly detect the number of signals present.
- DI Distorted indication a possible tube wall loss condition that is unquantifiable with a numeric percent call due to the existing signal characteristics.
- 3) INF Indication Not Found indicates that a previously reported Indication, from current inspection data or historical data, is not found in the data being analyzed - also used to address the case where a tube/signal is being retested for positive identification (PID) and the retest data does not show any signal present.
- 4) INR Indication Not Reportable indicates that a very small tube wall loss condition exists in the data being analyzed that is below the reportable criteria threshold for this specific inspection - can be used to address indications called in previous inspections that are still detectable but fall below current criteria.
- MAI Multiple Axial Indication describes multiple axially oriented indication signals from Rotating Pancake probe data.
- MCI Multiple Circumferentially oriented Indication describes multiple circumferentially oriented indication signals from Rotating Pancake probe data
 COI is used if it is impossible to clearly detect the number of signals present.
- P1 Possible Indication (retest) generally used with 8x1 analysis, sometimes with bobbin analysis - describes a potential wall loss condition signal that typically requires a retest for verification - sometimes retested with a special probe, e.g., MRPC, etc.
- SAI Single Axial Indication describes a single axially oriented signal from Rotating Pancake probe data.

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- 9) CI Single Circumferentially oriented Indication describes a single pircumferentially oriented indication signal from Rotating Pancake probe data -COI is used if it is impossible to clearly detect the number of signals present.
- 10) 55 A number in the indication column shows the % thru wall depth of the indication.
- 11) TEH Tube Enu Hot leg.
- 12) TEC Tube End Cold leg.
- 13) TSH Top of Tubesheet Hot leg.
- 14) TSC Top of Tubesheet Cold leg.
- 15) #C, #H (# = number) of Support Plate Hot or Cold leg. e.g., 3H, 6H, 7C.
- 16) AV1, AV2, AV3, AV4 Anti-Vibration Bars 1 thru 4.
- 17) MBM Manufacturing Buff Mark a tube wall loss condition due to a tube manufacturing process step - generally a long and shallow loss area - remains constant and does not present any operating problems for the tube - noted for reference only.
- 18) BPC Baffie Plate Cold leg.