



Commonwealth Edison
1400 Opus Place
Downers Grove, Illinois 60515

April 6, 1992

Mr. A. Bert Davis
Regional Administrator
U.S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

Subject: CECO Braidwood Unit 1 First Outage
Steam Generator Inservice Inspection Results
NRC Docket No. 50-456

Dear Mr. Davis:

Attached is the report of the Steam Generator Eddy Current Examination performed at Braidwood Station. In accordance with Braidwood Technical Specification 4.4.5.5.b and 6.9.2, the complete steam generator tube inservice inspection results shall be submitted to the Commission within 12 months following completion of the inspection. The Steam Generator Eddy Current Surveillance was completed April 9, 1991.

Fifty percent of the tubing received a full length bobbin coil inspection with the remainder of the tubes being inspected through the U-Bend from the hot leg side. A rotating pancake coil was used to confirm and characterize all distorted indications found through the bobbin examinations.

Attached is a report summarizing the inspection results. Included in the report are indication lists and maps, a guide to abbreviations used in the indication list, and a list of certified personnel performing the eddy current examinations.

If there are any questions regarding this information, please contact this office.

Sincerely,

Terry W. Simpkin
T.W. Simpkin
Nuclear Licensing Administrator

Attachment

cc: R. Pulsifer - NRR
B. Clayton - RIII
Resident Inspector - Braidwood
NRC Document Control Desk
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PDR ADDCK 05000456
G PDR

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COMMONWEALTH EDISON COMPANY
BRAIDWOOD UNIT 1 SECOND REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION RESULTS

1.0 INTRODUCTION

Braidwood Unit 1 is a four loop PWR with four Westinghouse Model D-4 steam generators. There are 4,578 tubes in each generator. The tubes are Inconel 600 U-tubes with outside diameter of 0.750 in. and a nominal thickness of 0.043 in.

During the scheduled Braidwood Unit 1 second refuel outage of February through March 1991 steam generator eddy current examinations were conducted by Westinghouse Nuclear Services Division in compliance with Braidwood Station Technical Specification 3/4.4.5 and ASME Section XI.

2.0 INSPECTION PLAN

All four steam generators were tested in parallel from the hot and cold leg sides. Fifty percent of the tubes in all four steam generators were inspected full length. The remainder of the tubes were inspected thru the U-Bend from the hot leg side. All in service tubes that previously contained indications were inspected full length.

3.0 INSPECTION TECHNIQUE

The eddy current examinations were conducted from the hot leg side for Row 4 and above with a 0.610 in. bobbin coil probe and examination frequencies of 550 KHz, 300 KHz, 130 KHz, and 10 KHz. Approximately 300 tubes in Rows 1, 2, and 3 were tested from the cold leg side using a 0.590 in. bobbin coil probe with the same examination frequencies. The bobbin coil probe withdrawal speed was 24 in. per second. The U-Bends of Row 1 tubes were inspected with a U-Bend RPC probe only. All other tubes were inspected to their required extents using a bobbin probe.

As a result of the bobbin coil eddy current inspection, distorted indications and percent thru wall indications at various support plates and top of tubesheet locations in the hot legs of all four generators were identified. Subsequent RPC inspections were performed from the hot leg side to confirm and better characterize these indications. RPC examinations were conducted at test frequencies of 550 KHz, 300 KHz, 130 KHz, and 10 KHz. The withdrawal rate was 0.4 in. per second with a rotational speed of 300 RPM.

4.0 INSPECTION RESULTS

A primary and secondary analysis was performed of all

eddy current data by Westinghouse. Forty four tubes were plugged as result of eddy current examination indications found during this refuel outage. In general, the indications were a result of anti-vibration bar wear and degradation within the tube support plate. The TSP indications were initially characterized as Distorted Indications when inspected by bobbin coil eddy current. RPC inspections of all DI's and percent calls at TSP's were conducted and the indication dispositioned on the basis of the RPC results. All indications from RPC were characterized either NDD(no detectable degradation), SAI(single axial indication) or MAI(multiple axial indication). The table below is a summary of the indications found and tubes plugged during this outage.

STEAM GENERATOR	A	B	C	D
INDICATIONS > 40% THRU-WALL	2	2	1	0
INDICATIONS 20 ~ 39% T-W	9	3	7	9
INDICATIONS < 20 % T-W	3	5	1	0
SAI	6	0	17	4
MAI	2	0	0	0
TUBES PLUGGED	10	1	19	4

A tube was mistakenly plugged in steam generator A and the tube at row 12 col 5 in B steam generator was plugged after installing a cable dampener in accordance with NRC Bulletin 88-02. Specific details of the examination results are included in the Appendix section of this report.

APPENDIX 1

EDDY CURRENT INDICATION DISTRIBUTION MAPS

INDICATION DISTRIBUTION - COLD LEG

D : 1 DISTORTED INDICATION
E : 1 INDICATION NOT REPORTABLE
■ : 9 EXISTING PLUGGED TUBES

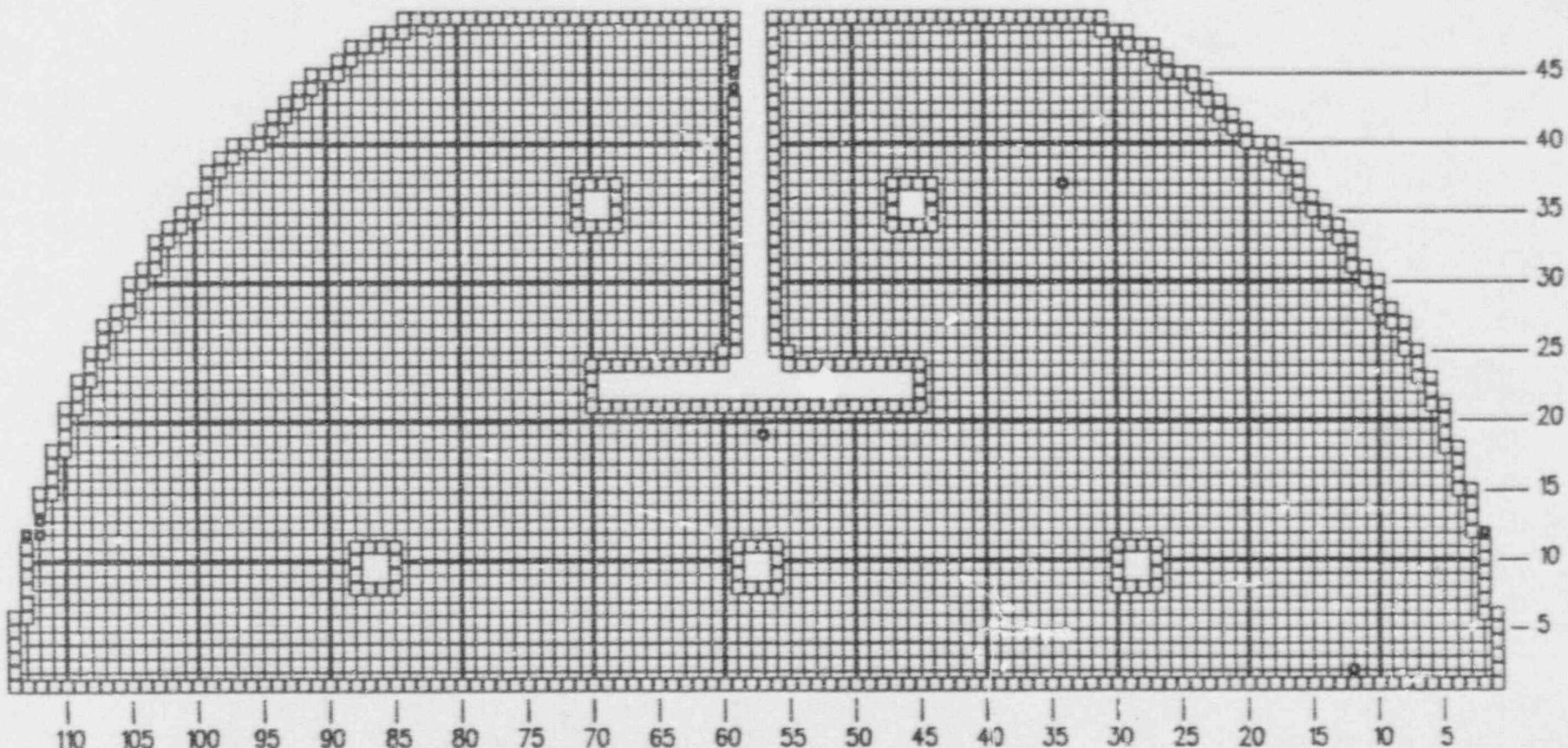
Braidwood Unit 1

CCE-A SERIES D4

05-02-1991

10:11 HRS.

SUPERTUBIN



INDICATION DISTRIBUTION - HOT LEG

Braidwood Unit 1

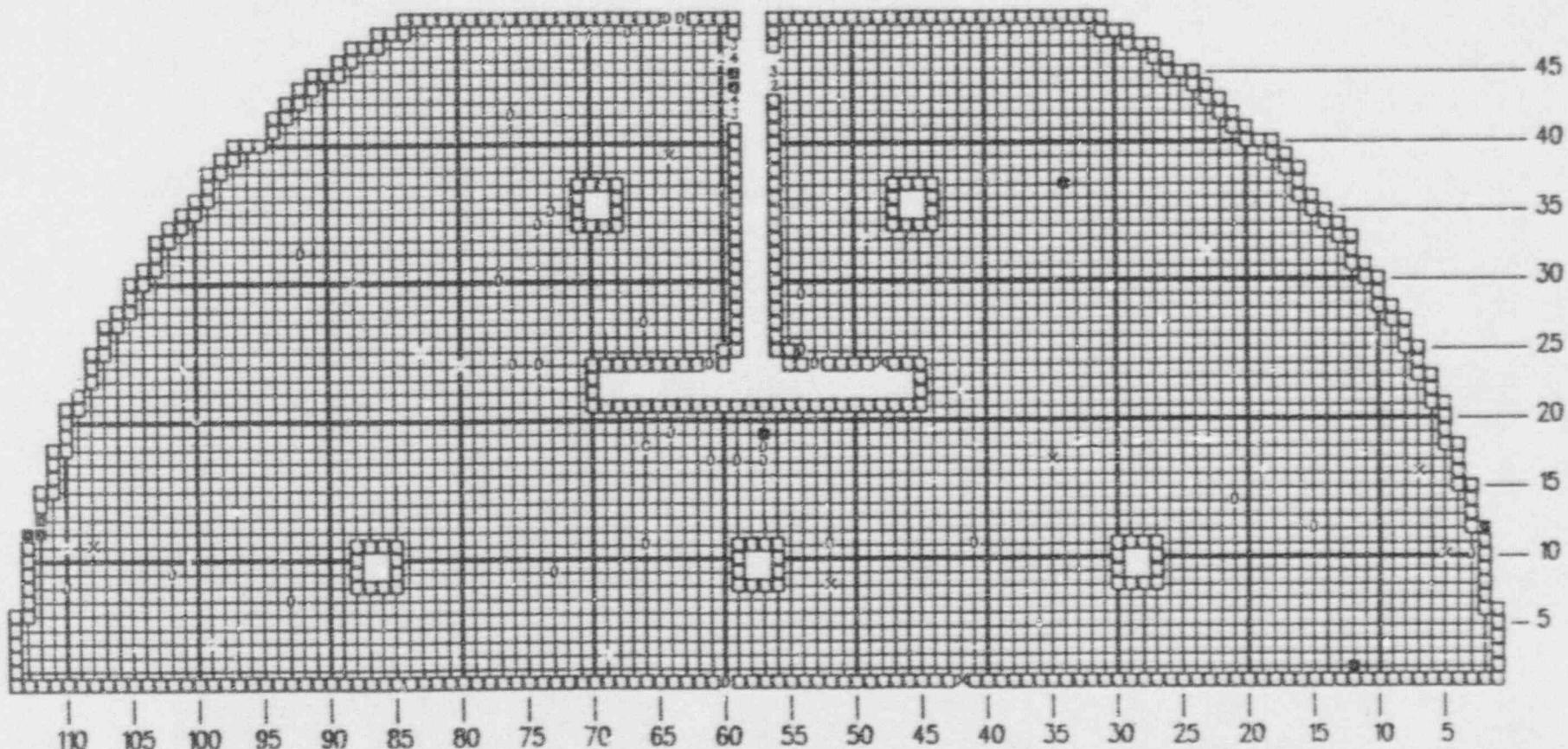
CCE-A SERIES D4

05-02-1991

10:09 HRS.

SUPERTUBIN

- X : 8 PLUGGABLE INDICATION SAI, MAI
- 4 : 2 40% TO 49% INDICATION
- 3 : 3 30% TO 39% INDICATION
- 2 : 3 20% TO 29% INDICATION
- : 1 10% TO 19% INDICATION
- C : 1 SINGLE CIRCUMFERENTIAL IND.
- D : 31 DISTORTED INDICATION
- M : 4 MANUFACTURING BUFF MARK
- R : 3 INDICATION NOT REPORTABLE
- : 9 EXISTING PLUGGED TUBES



INDICATION DISTRIBUTION - COLD LEG

Braidwood Unit 1

CCE-B SERIES D4

05-02-1991

10:31 HRS.

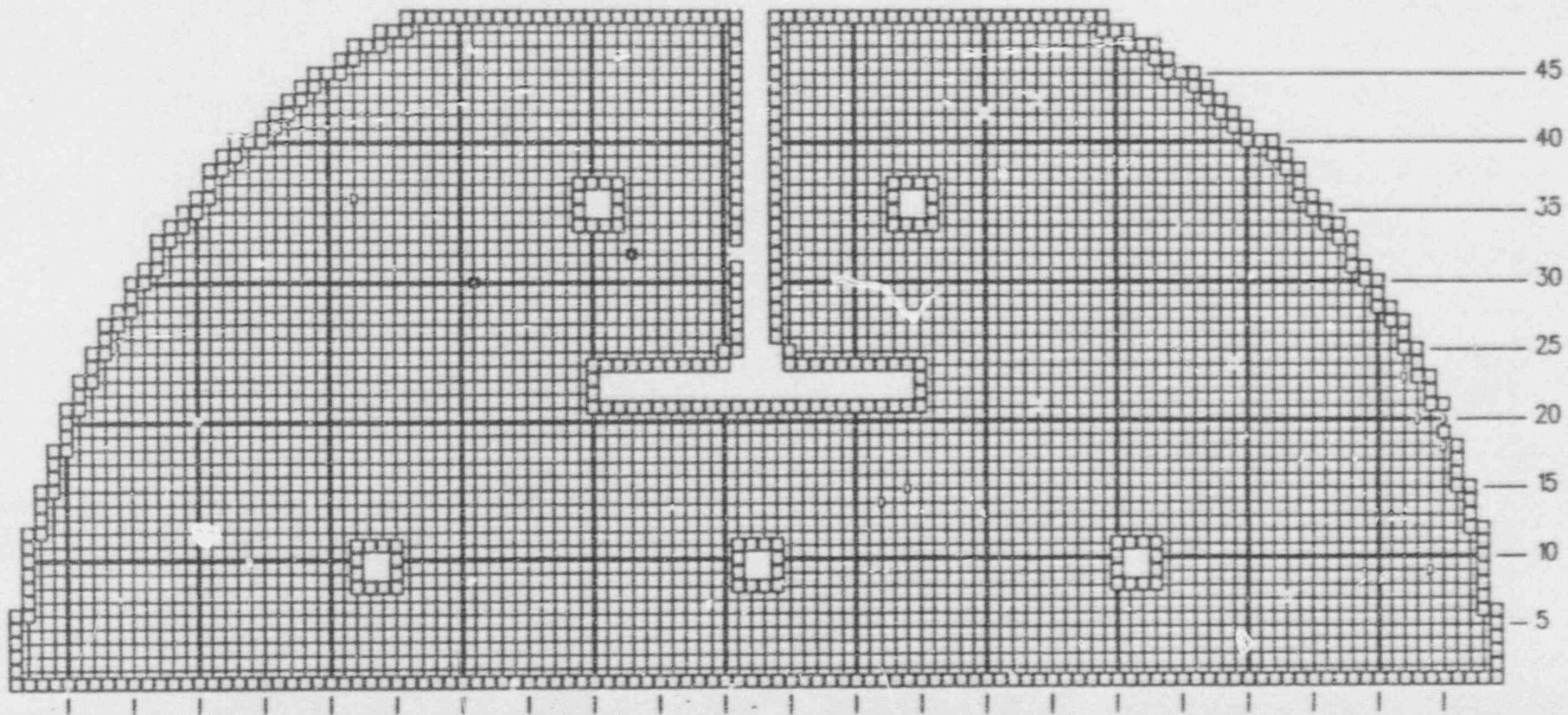
SUPERTUBIN

D : 8 DISTORTED INDICATION

■ : 100% INDICATION DARK

□ : 100% INDICATION LIGHT

□ : 2 EXISTING PLUGGED TUBES



INDICATION DISTRIBUTION - HOT LEG

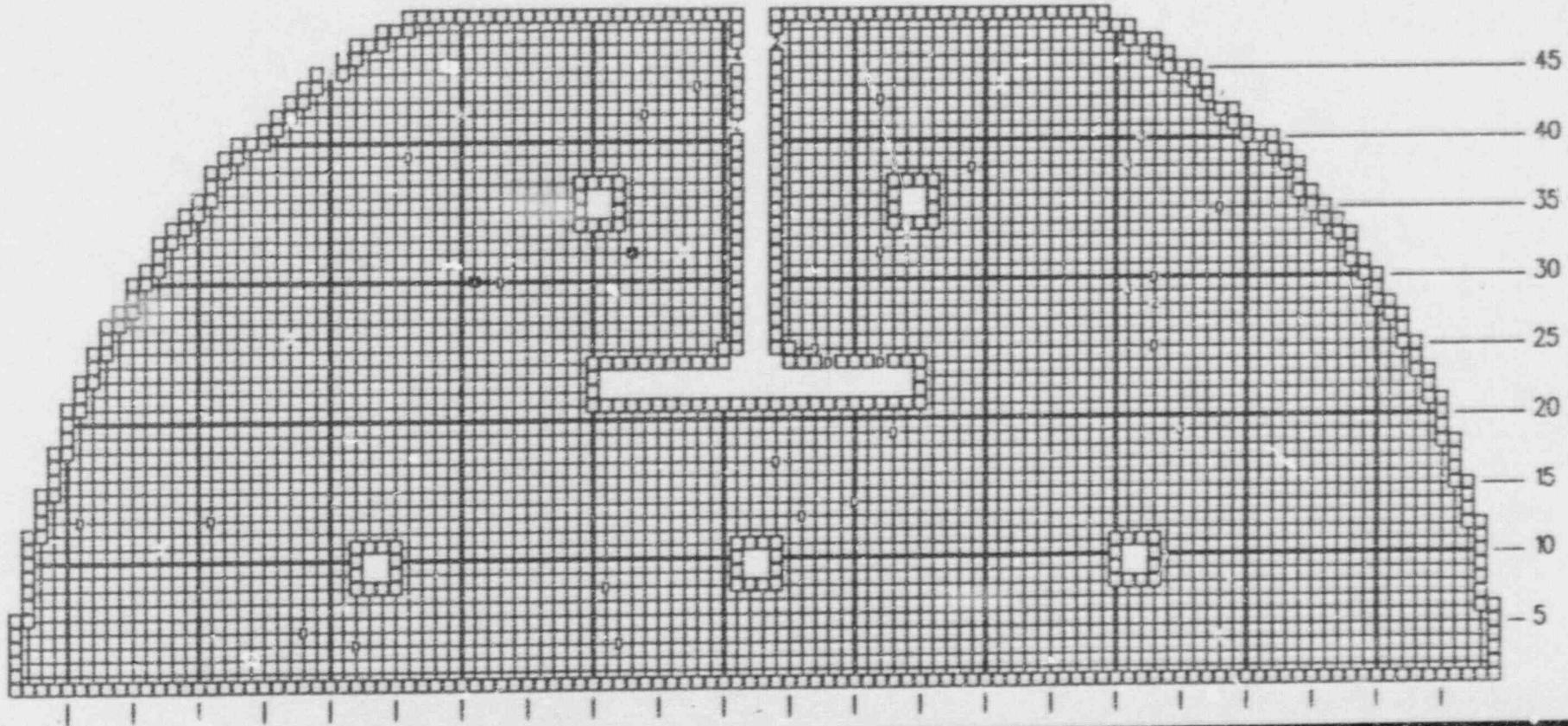
Braidwood Unit 1

CCE-B SERIES D4

05-02-1991 10:29 HRS.

SUPERTUBIN

4 : 1 40% TO 49% INDICATIONS
3 : 4 30% TO 39% INDICATIONS
2 : 4 20% TO 29% INDICATIONS
D : 23 DISTORTED INDICATIONS
R : 5 INDICATION NOT REPORTABLE
M : 4 MANUFACTURING BUFF MARK
■ : 2 EXISTING PLUGGED TUBES



INDICATION DISTRIBUTION - COLD LEG

Braidwood Unit 1

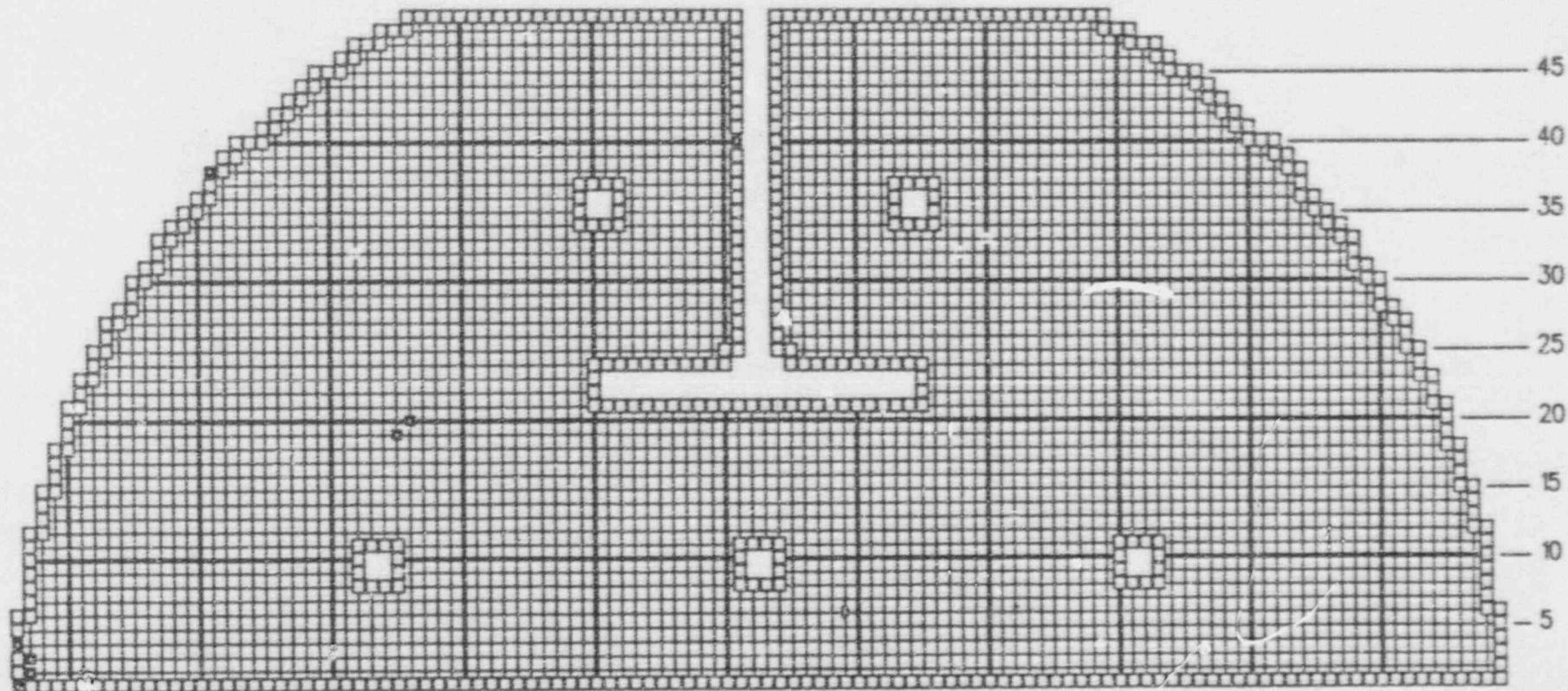
CCE-C SERIES D4

05-02-1991

09:51 HRS.

SUPERTUBIN

D : 1 DISTORTED INDICATION
D : 1 MANUFACTURING BUFF MARK
D : 2 INDICATION NOT REPORTABLE
D : 8 EXISTING PLUGGED TUBES

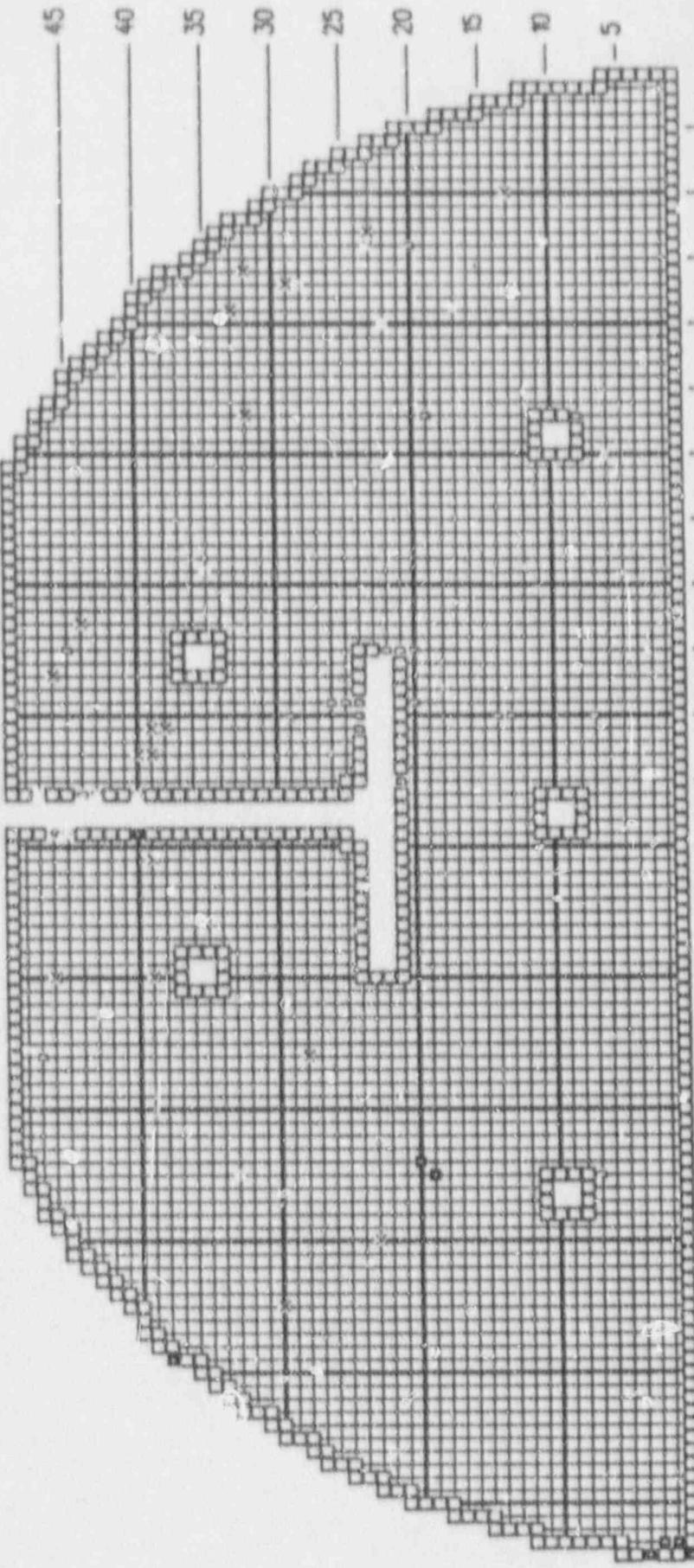


INDICATION DISTRIBUTION - HOT ! EJ

Braidwood Unit 1 CCE-C SFRIES D4
05-02-1991 09:49 HRS.



18 PLUGGABLE INDICATIONS MAISAI
1 40% TO 49% INDICATIONS
1 30% TO 39% INDICATIONS
4 20% TO 29% INDICATIONS
20 DISTORTED INDICATIONS
1 15% INDICATION NOT FEASITABLE
8 EXISTING PLUGGED TUBES



INDICATION DISTRIBUTION - COLD LEG

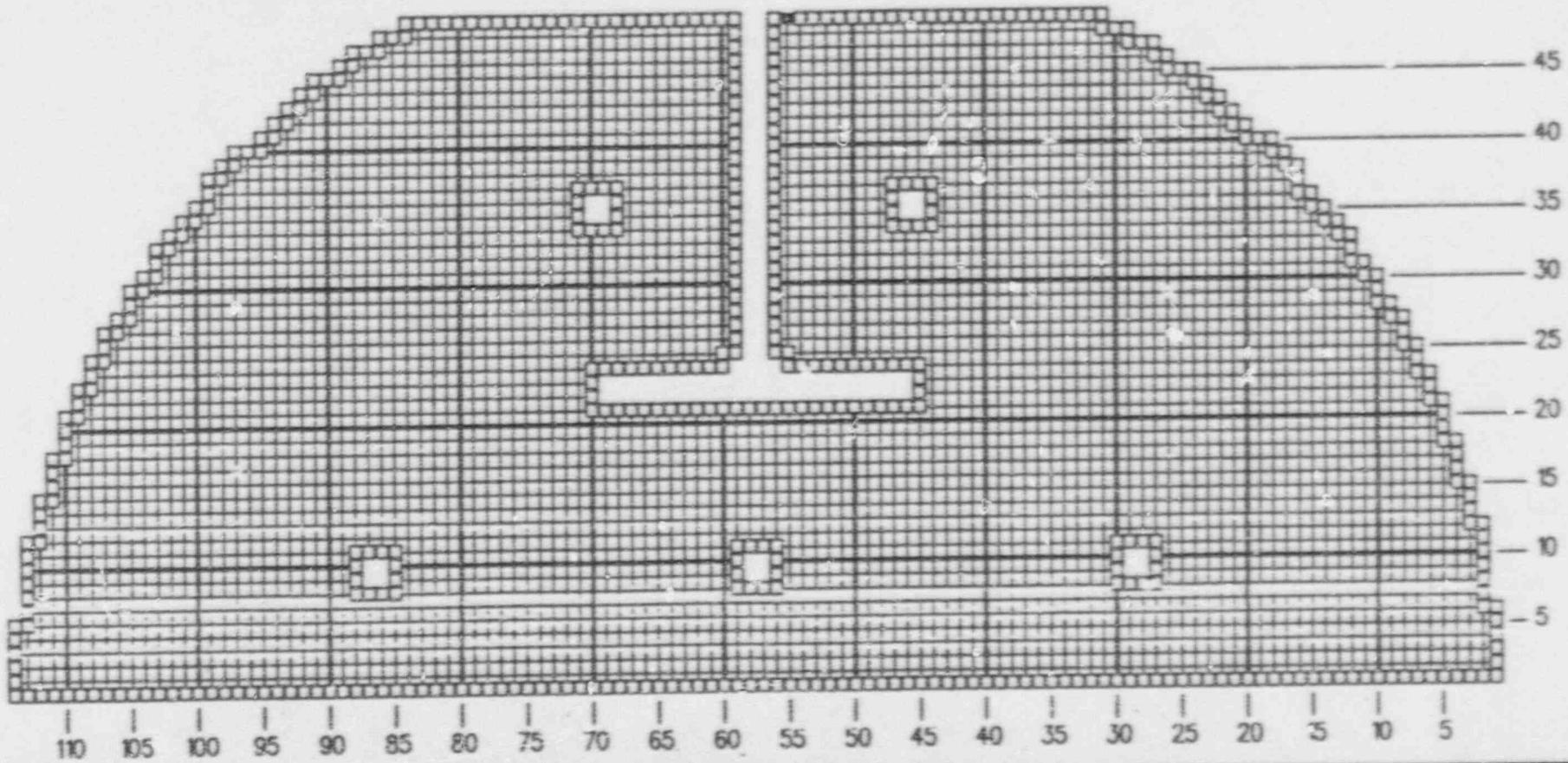
Braidwood Unit 1

CCE-D SERIES D4

05-02-1991 11:03 HRS.

SUPERTUBIN

□ : 0 INDICATION NOT FOUND
□ : 1 INDICATION NOT REPORTABLE
■ : 1 EXISTING PLUGGED TUBE'S



INDICATION DISTRIBUTION - HOT LEG

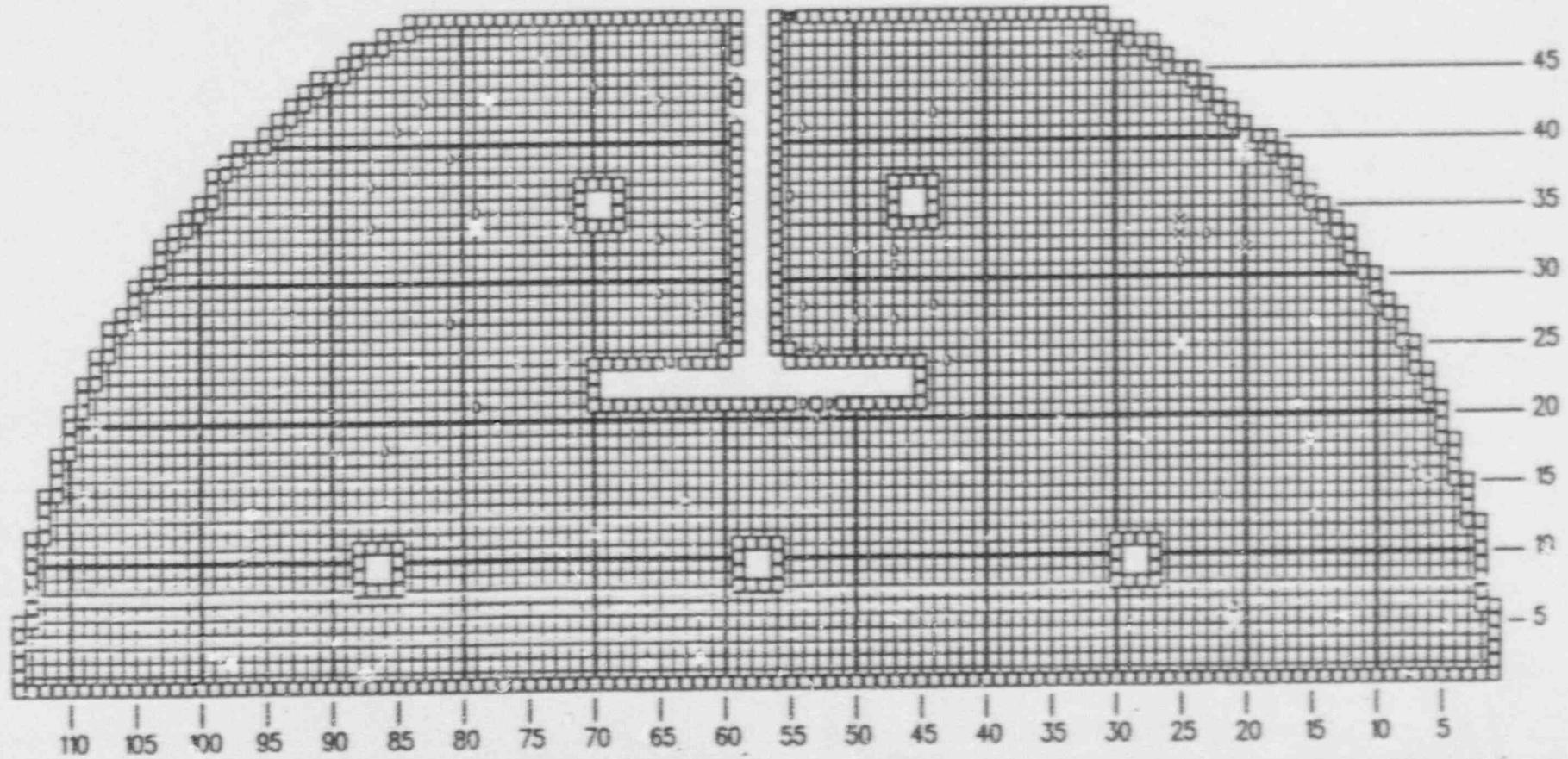
Braidwood Unit 1

CCE-D SERIES D4

05-02-1991 10:57 HRS.

SUPERTUBIN

X : 4 PLUGGABLE INDICATIONS MAI, SAI
3 : 7 30% TO 39% INDICATIONS
2 : 2 20% TO 29% INDICATIONS
1 : 1 10% TO 19% INDICATIONS
D : 29 DISTORTED INDICATIONS
- : 1 INDICATION NOT REPORTABLE
- : 1 INDICATION NOT FOUND
□ : 1 EXISTING PLUGGED TUBES



APPENDIX 2

SUPERTUBIN REPORT USER'S GUIDE

SUPERTUBIN REPORT USERS' GUIDE

REPORT RECORD FIELD DESCRIPTIONS

1. LEG - origin of the test - the S/G bowl the fixture was in when the test was conducted
2. ROW, COL - COLUMN - tube identifier numbers - an X-Y coordinate system
3. PLAN - a number representing a set or sets of test extents and tube locations that define which tubes and what sections of these tubes will be tested
4. RE-B - REQUIRED BEGIN TEST - tube location where the tape recorder is to be turned on and the test is to begin - defined by PLAN
5. RE-E - REQUIRED END TEST - tube location where the tape recorder is to be turned off and the test is to end; typically one of the tube ends - defined by PLAN
6. CE-B - COMPLETED BEGIN TEST - tube location where the test actually began - tape recorder turned on
7. CE-E - COMPLETED END TEST - tube location where the test actually ended - tape recorder turned off
8. PROBE - diameter of probe used in test
9. TYPE - characters representing the TYPE of PROBE used, e.g., BBM, SFRM, etc.
10. IND - INDICATION - character codes and numerics that represent the analysis results of the data for the tube, e.g., NDD, 25%, etc. - this is the key field in the data record
11. LOCN - LOCATION - the location in the tube of the INDICATION called

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12. INCH1 - distance above or below LOCATION where the INDICATION is found
13. INCH2 - typically the distance above INCH1 that a particular INDICATION extends as in a copper deposit extending over a portion of a tube above a support plate - in special cases, INCH2 may represent other measurements as in F Star, and Cracking algorithm applications
14. CHAN - CHANNEL - describes the data channel used in determining the indication value listed in the INDICATION field
15. VOLTS and DEG - DEGREES - these describe the signal characteristics of the analysis result in the INDICATION field
16. MILS - thousandths of inches - used for tube dimension information, e.g., denting studies
17. TAPE - sequential number of the data cartridge containing the data that the INDICATION was called from
18. ANAL - ANALYST INITIALS - the initials of the analyst who analyzed the data reported in this record
19. COMMENTS - holds 50 character phrases that provide further meaning to the INDICATION in the record, e.g., retest extent remarks, etc.

INDICATION TERM DESCRIPTIONS

The following are brief descriptions of the terms that can be found in the INDICATION field of SUPERTUBIN data records. These terms generally impart the key meaning to the data record. This meaning is supported by information in the other fields. These descriptions are not intended to be comprehensive from a technical analysis point of view. For further information concerning the meaning and use of these terms, you may consult the

SUPERTUBIN REPORT USERS' GUIDE

lead analyst on the job or the Westinghouse data analysis guidelines.

It is important to note the following definitions of terms used in these descriptions:

ANOMALY - A REPORTED TUBE CHARACTERISTIC THAT DOES NOT DEPICT POSSIBLE TUBE WALL LOSS OR TUBE WALL INTEGRITY DEGRADATION, E.G., D

INDICATION - AN ANALYSIS RESULT THAT DEPICTS A POSSIBLE TUBE WALL LOSS CONDITION OR TUBE WALL INTEGRITY DEGRADATION

DEFECT - AN INDICATION WHOSE VALUE EQUALS OR EXCEEDS AN ESTABLISHED PLUGGING LIMIT

TERMS:

1. OAV, IAV, 2AV, ... BAV - # OF AVBS PRESENT - Describes how many avb tube intersection signals were detected during avb geometry analysis - can also be used in describing signal arc length measured from a top support plate to the term used, e.g., IAV, 2AV, etc.
2. <20 - LESS THAN 20% - (this term is made up of the characters "<", "2", and "0") - it means the "range" of tube wall loss from 1% to 19%
3. ADR - ABSOLUTE DRIFT RESPONSE - a condition where the absolute frequencies display drift into the indication plane - can at times be associated with IGA
4. ANF - ANOMALY NOT FOUND - indicates that a previously reported ANOMALY, from current inspection data or historical data, is not found in the data being analyzed
5. ANR - ANOMALY NOT REPORTABLE - indicates that an anomaly condition exists in the data being analyzed that is below the

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reportable criteria threshold for this specific inspection - can be used to address anomalies called in previous inspections that are still detectable but fall below current criteria

6. BDA - BAD DATA (retest) - the data for the specified tube is not acceptable for analysis due to poor signal quality - the tube will be retested to the required extent
- BLG - BULGE - the tube has been deformed outward to an increased diameter condition from that of a nominal tube diameter expected in that area
8. COR - CORROSION - used in conjunction with avb geometry analysis to describe that based on signal characteristics, corrosion of the support plate appears to exist
9. CUD - COPPER DEPOSIT - the presence of copper deposits on the outside of the tube has been detected
10. DNT - DENT - the tube has been deformed inward to a reduced diameter condition from that of a nominal tube - often located at an interface such as a tube support plate
11. DI - DISTORTED INDICATION - a possible tube wall loss condition that is unquantifiable with a numeric percent call due to the existing signal characteristics
12. DRI - DISTORTED ROLL TRANSITION INDICATION - a possible tube wall loss condition that is unquantifiable with a numeric percent call due to the signal characteristics and is located at the roll transition
13. DRT - DISTORTED ROLL TRANSITION - a roll transition signal that is abnormal due to possible indication influence but that does not yet display clear DRI characteristics - it is noted for future reference
14. HAZ - HEAT AFFECTED ZONE - used to indicate the presence of the support plate heat treat zone - usually associated with a length measurement

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15. INC - INCUMPLIE - indicates that the test extent is incomplete - the actual extents, (CE-B) and/or (CE-E) do not meet the extents specified for the tube-test in the (RE-B) and (RE-E) fields
16. 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
17. 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
18. IR - INCOMPLETE ROLL (sleevng) - condition where mandrel "slips" downward during the hard-rolling process - reported during sleeve geometry analysis
19. MAG - MAGNETITE - generally used in avb geometry analysis to describe support plate conditions where, based on signal characteristics, magnetite is believed to be present - magnetite may be related to the onset of corrosion and subsequent denting
20. MAI - MULTIPLE AXIAL INDICATION - describes multiple axially oriented indication signals from Rotating Pancake probe data
21. MBM - MANUFACTURING BUFF MARK - a tube wall loss condition due to a tube manufacturing process step - generally a relatively long and shallow loss area - remains constant and does not present any operating problems for the tube - noted for reference only
22. MCI - MULTIPLE CIRCUMFERENTIALLY ORIENTED INDICATION - describes multiple circumferentially oriented indication signals from Rotating Pancake probe data

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23. MMB - MULTIPLE MANUFACTURING BUFF MARKS - multiple MBM's over a length of tube - see definition above
24. NDD - NO DETECTABLE DEGRADATION - no tube wall loss or wall integrity degradation has been detected
25. NNL - NEW NULL LENGTH - used to indicate the presence of the support plate heat treat zone - usually associated with a length measurement
26. NT - NO TEST (retest) - for this tube, there is no data available for analysis on this data tape; however, the tube ROW, COLUMN is encoded on the tape
27. NTE - NO TUBE EXPANSION - used in analysis verification of the full tubesheet expansion process to describe a condition where the tubesheet is not expanded above the tack roll/lower roll - generally used in S/G preservice inspections
28. PDS - PILGERING DRIFT SIGNAL - a drift in the absolute signals at random elevations and generally only in one leg of a tube. These signals have been determined to result from the tube Pilgering process: stopping the process, removing the ID mandrel, loading a new tube hollow, reloading the ID mandrel, and restarting the process. This results in a minor change in the tube ID, approximately 1 to 1.5 mils on the diameter, and thus a change in tube wall thickness when the OD is surface ground. The signals always show an increase in wall thickness (negative drift) but may exhibit a decrease in wall thickness (positive drift) at the beginning of the signal. The signals are always long, from several inches to several feet, depending on how long it takes the Pilger process to return to the proper nominal ID.
29. PI - POSSIBLE INDICATION (retest) - generally used with BXI analysis, sometimes with bobbin analysis - describes a potential tube wall loss condition signal that typically requires a retest for verification - sometimes retested with a special probe, e.g., MRPC, etc.
30. PID - POSITIVE IDENTIFICATION - verification of a previously reported tube ROW COL identifier and signal - achieved through analysis of a second set of test data - typically

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used to verify pluggable tube signals - INF is used to describe the condition where a signal is not detectable upon analysis of the second set of data

31. PLG - PLUG - the tube is plugged from previous maintenance work and a plug has been visually verified as being in the tube end
32. PLP - POSSIBLE LOOSE PART - any eddy current signal that occurs in a section of tubing where such a signal is not expected. These signals are typically located above the top of the tubesheet in a tube near the periphery of the tube bundle. The tube signal may have dent, indication, or wear thinning characteristics. This signal may result from a foreign object contacting the tube during plant operation. If a foreign object is still near the tube it may be detectable with a low frequency.
33. PTE - PARTIAL TUBE EXPANSION - used in analysis verification of the full tubesheet expansion process to describe a condition where less than 100% of the tubesheet is expanded - generally used in S/G preservice inspections - this term is not to be used with the location of the expand transition with respect to the top of tubesheet - see TTH and TTL below
34. PTF - PARENT TUBE FLAW (sleeving) - a flaw detected by crosswound probe within the original tube (outside the sleeve) - reported during sleeve integrity analysis
35. PVN - PERMEABILITY VARIATION - a variance in the tube permeability that produces a signal that can mask other signals of interest
36. RST - RESTRICTED - indicates that the probe listed in the record would not physically pass the location specified
37. SAI - SINGLE AXIAL INDICATION - describes a single axially oriented indication signal from Rotating Pancake probe data
38. SCI - SINGLE CIRCUMFERENTIALLY ORIENTED INDICATION - describes a single circumferentially oriented indication signal from Rotating Pancake probe data

39. SCM - SEE COMMENTS - instructs the reader to derive the meaning of the record from the text phrases in the COMMENTS field of the SUPERTUBIN data record - typically used for new and non-standard analysis results, e.g., avb geometry analysis that can not be handled with existing terms in this document
40. SLF - SLEEVE FLAW (sleevng) - a flaw detected by crosswound probe within an inserted sleeve - reported during sleeve integrity analysis
41. SLG - SLLDGE - secondary side feedwater deposits typically located on the top of the tubesheet and/or the top of support plates or baffles
42. SQR - SQUIRREL (pluggable) - describes a specific class of signals located in unexpanded tubesheet crevices that are unquantifiable with numeric percent values - can be associated with IGA
43. TIU - TUBE I.D. UNCERTAIN (retest) - indicates that the ROW and/or COL identifier for a given tube is in doubt and that the tube must be retested
44. TRN - TRANSITION - used in analysis verification of the full tubesheet expansion process to describe the location of the tube expansion transition with respect to the top of tubesheet and signifies an acceptable transition height - generally used in S/G preservice inspections
45. TTH - TRANSITION TOO HIGH - used in analysis verification of the full tubesheet expansion process to describe the location of the tube expansion transition with respect to the top of tubesheet - generally used in S/G preservice inspections
46. TTL - TRANSITION TOO LOW - used in analysis verification of the full tubesheet expansion process to describe the location of the tube expansion transition with respect to the top of tubesheet - generally used in S/G preservice inspections
47. UDS - UNDEFINED SIGNAL - a signal that in the analyst's opinion does not at present represent tube wall loss - the

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signal is reported for future review purposes

- 4B. XHR - EXTRA SLEEVE HARD ROLL (sleevинг) - pertains to sleeve analysis and describes a situation where more than the nominal number of hard rolls are detected

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LOCATION TERMS DESCRIPTION

TERMS:

1. TEH, TEC - TUBE END HOT and COLD
2. TRH, TRC - TOP OF ROLL HOT and COLD (tube end roll)
3. TSH, TSC - TOP OF TUBESHEET HOT and COLD
4. BPH, BPC - BAFFLE PLATE HOT and COLD - (in certain S/G series, e.g., 51-F, 44-F, D, F, etc.)

5. SLEEVE LOCATIONS

LXH, LXC - lower expansion hot/cold
LRH, LRC - lower roll hot/cold
URH, URC - upper roll hot/cold
UXH, UXC - upper expansion hot/cold
STH, STC - sleeve top hot/cold

6. #H, #C - (# = NUMBER) of SUPPORT PLATE HOT and COLD, e.g., 3H, 4C, 7H, etc
7. TH, TC - TANGENT POINT HOT and COLD (location just above top support plate where bending begins)
8. AV1, AV2, AV3, AV4, AV5, AV6, ... - ANTI-VIBRATION BARS
9. V14, V23 - used in AVB geometry analysis to refer to the two AVB bars respectively
10. BW1, BW2, BW3 ... - BAT WINGS - CE S/G'S
11. VS1, VS2, VS3 ... - VERTICAL STRAPS - CE S/G'S
12. UB - describes area from TOP SUPPORT PLATE HOT to TOP SUPPORT

SUPERTUBIN REPORT USERS' GUIDE

PLATE COLD

PROBE TYPE CODE DESCRIPTION TABLE

CODE	DESCRIPTION
EB	ECHORAM - xxx-BBM(S)
EJ	ECHORAM - xxx-BJFM
EF	ECHORAM - xxx-FSBM
ER	ECHORAM - xxx-RPC/URPC/2RPC
EB	ECHORAM - xxx-BX1
ZS	ZETFC - A-xxx-SFRM
ZJ	ZETEC - A-xxx-BJRFM
ZR	ZETEC - B-xxx-FHPH/MRPC U-BEND
ZW	ZETEC - Hot Probe
ZB	ZETEC - BC-xxxx (BX1 PROBE)

note: "xxx" represents the numeric diameter
of the probe, e.g., .720, 680, etc.

END

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DEFECT - AN INDICATION WHOSE VALUE EQUALS OR EXCEEDS AN ESTABLISHED PLUGGING LIMIT

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reportable criteria threshold for this specific inspection - can be used to address anomalies called in previous inspections that are still detectable but fall below current criteria

6. BDA - BAD DATA (retest) - the data for the specified tube is not acceptable for analysis due to poor signal quality - the tube will be retested to the required extent
7. BLG - BULGE - the tube has been deformed outward to an increased diameter condition from that of a nominal tube diameter expected in that area
8. COR - CORROSION - used in conjunction with avb geometry analysis to describe that based on signal characteristics, corrosion of the support plate appears to exist
9. CUD - COPPER DEPOSIT - the presence of copper deposits on the outside of the tube has been detected
10. DNT - DENT - the tube has been deformed inward to a reduced diameter condition from that of a nominal tube - often located at an interface such as a tube support plate
11. DI - DISTORTED INDICATION - a possible tube wall loss condition that is unquantifiable with a numeric percent call due to the existing signal characteristics
12. DRI - DISTORTED ROLL TRANSITION INDICATION - a possible tube wall loss condition that is unquantifiable with a numeric percent call due to the signal characteristics and is located at the roll transition
13. DRT - DISTORTED ROLL TRANSITION - a roll transition signal that is abnormal due to possible indication influence but that does not yet display clear DRI characteristics - it is noted for future reference
14. HAZ - HEAT AFFECTED ZONE - used to indicate the presence of the support plate heat treat zone - usually associated with a length measurement

15. INC - INCOMPLETE - indicates that the test extent is incomplete - the actual extents, (CE-B) and/or (CE-E) do not meet the extents specified for the tube-test in the (RE-B) and (RE-E) fields
16. 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
17. 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
18. IR - INCOMPLETE ROLL (sleevng) - condition where mandrel "slips" downward during the hard-rolling process - reported during sleeve geometry analysis
19. MAG - MAGNETITE - generally used in avb geometry analysis to describe support plate conditions where, based on signal characteristics, magnetite is believed to be present - magnetite may be related to the onset of corrosion and subsequent denting
20. MAI - MULTIPLE AXIAL INDICATION - describes multiple axially oriented indication signals from Rotating Pancake probe data
21. MBM - MANUFACTURING BUFF MARK - a tube wall loss condition due to a tube manufacturing process step - generally a relatively long and shallow loss area - remains constant and does not present any operating problems for the tube - noted for reference only
22. MCI - MULTIPLE CIRCUMFERENTIALLY ORIENTED INDICATION - describes multiple circumferentially oriented indication signals from Rotating Pancake probe data

SUPERTUBIN REPORT USERS' GUIDE

23. MMB - MULTIPLE MANUFACTURING BUFF MARKS - multiple MBM's over a length of tube - see definition above
24. NDD - NO DETECTABLE DEGRADATION - no tube wall loss or wall integrity degradation has been detected
25. NNL - NEW NULL LENGTH - used to indicate the presence of the support plate heat treat zone - usually associated with a length measurement
26. NT - NO TEST (retest) - for this tube, there is no data available for analysis on this data tape; however, the tube ROW, COLUMN is encoded on the tape
27. NTE - NO TUBE EXPANSION - used in analysis verification of the full tubesheet expansion process to describe a condition where the tubesheet is not expanded above the tack roll/lower roll - generally used in S/G preservice inspections
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29. PI - POSSIBLE INDICATION (retest) - generally used with 8X1 analysis, sometimes with bobbin analysis - describes a potential tube wall loss condition signal that typically requires a retest for verification - sometimes retested with a special probe, e.g., MRPC, etc.
30. PID - POSITIVE IDENTIFICATION - verification of a previously reported tube ROW COL identifier and signal - achieved through analysis of a second set of test data - typically

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used to verify pluggable tube signals - INF is used to describe the condition where a signal is not detectable upon analysis of the second set of data

31. PLG - PLUG - the tube is plugged from previous maintenance work and a plug has been visually verified as being in the tube end
32. PLP - POSSIBLE LOOSE PART - any eddy current signal that occurs in a section of tubing where such a signal is not expected. These signals are typically located above the top of the tubesheet in a tube near the periphery of the tube bundle. The tube signal may have dent, indication, or wear thinning characteristics. This signal may result from a foreign object contacting the tube during plant operation. If a foreign object is still near the tube it may be detectable with a low frequency.
33. PTE - PARTIAL TUBE EXPANSION - used in analysis verification of the full tubesheet expansion process to describe a condition where less than 100% of the tubesheet is expanded - generally used in S/G preservice inspections - this term is not to be used with the location of the expand transition with respect to the top of tubesheet - see TTH and TTL below
34. PTF - PARENT TUBE FLAW (sleeving) - a flaw detected by crosswound probe within the original tube (outside the sleeve) - reported during sleeve integrity analysis
35. PVN - PERMEABILITY VARIATION - a variance in the tube permeability that produces a signal that can mask other signals of interest
36. RST - RESTRICTED - indicates that the probe listed in the record would not physically pass the location specified
37. SAI - SINGLE AXIAL INDICATION - describes a single axially oriented indication signal from Rotating Pancake probe data
38. SCI - SINGLE CIRCUMFERENTIALLY ORIENTED INDICATION - describes a single circumferentially oriented indication signal from Rotating Pancake probe data

39. SCM - SEE COMMENTS - instructs the reader to derive the meaning of the record from the text phrases in the COMMENTS field of the SUPERTUBIN data record - typically used for new and non-standard analysis results, e.g., avb geometry analysis that can not be handled with existing terms in this document
40. SLF - SLEEVE FLAW (sleevining) - a flaw detected by crosswound probe within an inserted sleeve - reported during sleeve integrity analysis
41. SLG - SLUDGE - secondary side feedwater deposits typically located on the top of the tubesheet and/or the top of support plates or baffles
42. SQR - SQUIRREL (pluggable) - describes a specific class of signals located in unexpanded tubesheet crevices that are unquantifiable with numeric percent values - can be associated with IGA
43. TIU - TUBE I.D. UNCERTAIN (retest) - indicates that the ROW and/or COL identifier for a given tube is in doubt and that the tube must be retested
44. TRN - TRANSITION - used in analysis verification of the full tubesheet expansion process to describe the location of the tube expansion transition with respect to the top of tubesheet and signifies an acceptable transition height - generally used in S/G preservice inspections
45. TTH - TRANSITION TOO HIGH - used in analysis verification of the full tubesheet expansion process to describe the location of the tube expansion transition with respect to the top of tubesheet - generally used in S/G preservice inspections
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47. UDS - UNDEFINED SIGNAL - a signal that in the analyst's opinion does not at present represent tube wall loss - the

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signal is reported for future review purposes

48. XHR - EXTRA SLEEVE HARD ROLL (sleevng) - pertains to sleeve analysis and describes a situation where more than the nominal numb. of hard rolls are detected

SUPERTUBIN REPORT USERS' GUIDE

LOCATION TERMS DESCRIPTION

TERMS:

1. TEH, TEC - TUBE END HOT and COLD
2. TRH, TRC - TOP OF ROLL HOT and COLD (tube end roll)
3. TSH, TSC - TOP OF TUBESHEET HOT and COLD
4. BPH, BPC - BAFFLE PLATE HOT and COLD - (in certain S/G series, e.g., 51-F, 44-F, D, F, etc.)
5. SLEEVE LOCATIONS
 - LXH, LXC - lower expansion hot/cold
 - LRH, LRC - lower roll hot/cold
 - URH, URC - upper roll hot/cold
 - UXH, UXC - upper expansion hot/cold
 - STH, STC - sleeve top hot/cold
6. #H, #C - (# = NUMBER) of SUPPORT PLATE HOT and COLD, e.g., 3H, 4C, 7H, etc
7. TH, TC - TANGENT POINT HOT and COLD (location just above top support plate where bending begins)
8. AV1, AV2, AV3, AV4, AV5, AV6, ... - ANTI-VIBRATION BARS
9. V14, V23 - used in AVB geometry analysis to refer to the two AVB bars respectively
10. BW1, BW2, BW3 ... - BAT WINGS - CE S/G'S
11. VS1, VS2, VS3 ... - VERTICAL STRAPS - CE S/G'S
12. UB - describes area from TOP SUPPORT PLATE HOT to TOP SUPPORT

SUPERTUBIN REPORT USERS' GUIDE

PLATE COLD

PROBE TYPE CODE DESCRIPTION TABLE

CODE	DESCRIPTION
EB	ECHORAM - xxx-BBM(S)
EJ	ECHORAM - xxx-BJFM
EF	ECHORAM - xxx-FSBM
ER	ECHORAM - xxx-RPC/URPC/2RPC
EB	ECHORAM - xxx-BX1
ZS	ZETEC - A-xxx-SFRM
ZJ	ZETEC - A-xxx-BJRFM
ZR	ZETEC - B-xxx-FPHF/MRPC U-BEND
ZW	ZETEC - Hot Probe
ZB	ZETEC - BC-xxxx (BX1 PROBE)

note: "xxx" represents the numeric diameter
of the probe, e.g., .720, 680, etc.

END

SUPERTUBIN REPORT USERS' GUIDE

REPORT RECORD FIELD DESCRIPTIONS

1. LEG - origin of the test - the S/G bowl the fixture was in when the test was conducted
2. ROW, COL - COLUMN - tube identifier numbers - an X-Y coordinate system
3. PLAN - a number representing a set or sets of test extents and tube locations that define which tubes and what sections of these tubes will be tested
4. RE-B - REQUIRED BEGIN TEST - tube location where the tape recorder is to be turned on and the test is to begin - defined by PLAN
5. RE-E - REQUIRED END TEST - tube location where the tape recorder is to be turned off and the test is to end; typically one of the tube ends - defined by PLAN
6. CE-B - COMPLETED BEGIN TEST - tube location where the test actually began - tape recorder turned on
7. CE-E - COMPLETED END TEST - tube location where the test actually ended - tape recorder turned off
8. PROBE - diameter of probe used in test
9. TYPE - characters representing the TYPE of PROBE used, e.g., BBM, SFRM, etc.
10. IND - INDICATION - character codes and numerics that represent the analysis results of the data for the tube, e.g., NDD, 25%, etc. - this is the key field in the data record
11. LOCN - LOCATION - the location in the tube of the INDICATION called

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12. INCH1 - distance above or below LOCATION where the INDICATION is found
13. INCH2 - typically the distance above INCH1 that a particular INDICATION extends as in a copper deposit extending over a portion of a tube above a support plate - in special cases, INCH2 may represent other measurements as in F Star, and Cracking algorithm applications
14. CHAN - CHANNEL - describes the data channel used in determining the indication value listed in the INDICATION field
15. VOLTS and DEG - DEGREES - these describe the signal characteristics of the analysis result in the INDICATION field
16. MILS - thousandths of inches - used for tube dimension information, e.g., denting studies
17. TAPE - sequential number of the data cartridge containing the data that the INDICATION was called from
18. ANAL - ANALYST INITIALS - the initials of the analyst who analyzed the data reported in this record
19. COMMENTS - holds 50 character phrases that provide further meaning to the INDICATION in the record, e.g., retest extent remarks, etc.

INDICATION TERM DESCRIPTIONS

The following are brief descriptions of the terms that can be found in the INDICATION field of SUPERTUBIN data records. These terms generally impart the key meaning to the data record. This meaning is supported by information in the other fields. These descriptions are not intended to be comprehensive from a technical analysis point of view. For further information concerning the meaning and use of these terms, you may consult the

SUPERTUBIN REPORT USERS' GUIDE

lead analyst on the job or the Westinghouse data analysis guidelines.

It is important to note the following definitions of terms used in these descriptions:

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INDICATION - AN ANALYSIS RESULT THAT DEPICTS A POSSIBLE TUBE WALL LOSS CONDITION OR TUBE WALL INTEGRITY DEGRADATION

DEFECT - AN INDICATION WHOSE VALUE EQUALS OR EXCEEDS AN ESTABLISHED PLUGGING LIMIT

TERMS:

1. OAV, 1AV, 2AV, ... BAV - # OF AVBS PRESENT - describes how many avb tube intersection signals were detected during avb geometry analysis - can also be used in describing signal arc length measured from a top support plate to the term used, e.g., 1AV, 2AV, etc.
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11. DI - DISTORTED INDICATION - a possible tube wall loss condition that is unquantifiable with a numeric percent call due to the existing signal characteristics
12. DRI - DISTORTED ROLL TRANSITION INDICATION - a possible tube wall loss condition that is unquantifiable with a numeric percent call due to the signal characteristics and is located at the roll transition
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34. PTF - PARENT TUBE FLAW (sleeving) - a flaw detected by crosswound probe within the original tube (outside the sleeve) - reported during sleeve integrity analysis
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SUPERTUBIN REPORT USERS' GUIDE

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LRH, LRC - lower roll hot/cold
URH, URC - upper roll hot/cold
UXH, UXC - upper expansion hot/cold
STH, STC - sleeve top hot/cold

6. SH, #C - (# = NUMBER) of SUPPORT PLATE HOT and COLD, e.g., 3H, 4C, 7H, etc
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PLATE COLD

PROBE TYPE CODE DESCRIPTION TABLE

CODE	DESCRIPTION
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ER	ECHORAM - xxx-RPC/URPC/2RPC
EB	ECHORAM - xxx-BX1
ZS	ZETEC - A-xxx-SFRM
ZJ	ZETEC - A-xxx-BJRFM
ZR	ZETEC - B-xxx-FPHF/MRPC U-BEND
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note: "xxx" represents the numeric diameter
of the probe, e.g., .720, 680, etc.

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REPORT RECORD FIELD DESCRIPTIONS

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9. CUD - COPPER DEPOSIT - the presence of copper deposits on the outside of the tube has been detected
10. DNT - DENT - the tube has been deformed inward to a reduced diameter condition from that of a nominal tube - often located at an interface such as a tube support plate
11. DI - DISTORTED INDICATION - a possible tube wall loss condition that is unquantifiable with a numeric percent call due to the existing signal characteristics
12. DRI - DISTORTED ROLL TRANSITION INDICATION - a possible tube wall loss condition that is unquantifiable with a numeric percent call due to the signal characteristics and is located at the roll transition
13. DRT - DISTORTED ROLL TRANSITION - a roll transition signal that is abnormal due to possible indication influence but that does not yet display clear DRI characteristics - it is noted for future reference
14. HAZ - HEAT AFFECTED ZONE - used to indicate the presence of the support plate heat treat zone - usually associated with a length measurement

SUPERTUBIN REPORT USERS' GUIDE

15. INC - INCOMPLETE - indicates that the test extent is incomplete - the actual extents, (CE-B) and/or (CE-E) do not meet the extents specified for the tube-test in the (RE-B) and (RE-E) fields
16. 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
17. 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
18. IR - INCOMPLETE ROLL (sleevng) - condition where mandrel "slips" downward during the hard-rolling process - reported during sleeve geometry analysis
19. MAG - MAGNETITE - generally used in avb geometry analysis to describe support plate conditions where, based on signal characteristics, magnetite is believed to be present - magnetite may be related to the onset of corrosion and subsequent denting
20. MAI - MULTIPLE AXIAL INDICATION - describes multiple axially oriented indication signals from Rotating Pancake probe data
21. MBM - MANUFACTURING BUFF MARK - a tube wall loss condition due to a tube manufacturing process step - generally a relatively long and shallow loss area - remains constant and does not present any operating problems for the tube - noted for reference only
22. MCI - MULTIPLE CIRCUMFERENTIALLY ORIENTED INDICATION - describes multiple circumferentially oriented indication signals from Rotating Pancake probe data

SUPERTUBIN REPORT USERS' GUIDE

23. MMB - MULTIPLE MANUFACTURING BUFF MARKS - multiple MMB's over a length of tube - see definition above
24. NDD - NO DETECTABLE DEGRADATION - no tube wall loss or wall integrity degradation has been detected
25. NNL - NEW NULL LENGTH - used to indicate the presence of the support plate heat treat zone - usually associated with a length measurement
26. NT - NO TEST (retest) - for this tube, there is no data available for analysis on this data tape; however, the tube ROW, COLUMN is encoded on the tape
27. NTE - NO TUBE EXPANSION - used in analysis verification of the full tubesheet expansion process to describe a condition where the tubesheet is not expanded above the tack roll/lower roll - generally used in S/G preservice inspections
28. PDS - PILGERING DRIFT SIGNAL - a drift in the absolute signals at random elevations and generally only in one leg of a tube. These signals have been determined to result from the tube Pilgering process: stopping the process, removing the ID mandrel, loading a new tube hollow, reloading the ID mandrel, and restarting the process. This results in a minor change in the tube ID, approximately 1 to 1.5 mils on the diameter, and thus a change in tube wall thickness when the OD is surface ground. The signals always show an increase in wall thickness (negative drift) but may exhibit a decrease in wall thickness (positive drift) at the beginning of the signal. The signals are always long, from several inches to several feet, depending on how long it takes the Pilger process to return to the proper nominal ID.
29. PI - POSSIBLE INDICATION (retest) - generally used with BXI analysis, sometimes with bobbin analysis - describes a potential tube wall loss condition signal that typically requires a retest for verification - sometimes retested with a special probe, e.g., MRPC, etc.
30. PID - POSITIVE IDENTIFICATION - verification of a previously reported tube ROW COL identifier and signal - achieved through analysis of a second set of test data - typically

SUPERTUBIN REPORT USERS' GUIDE

used to verify pluggable tube signals - INF is used to describe the condition where a signal is not detectable upon analysis of the second set of data

31. PLG - PLUG - the tube is plugged from previous maintenance work and a plug has been visually verified as being in the tube end

32. PLP - POSSIBLE LOOSE PART - any eddy current signal that occurs in a section of tubing where such a signal is not expected. These signals are typically located above the top of the tubesheet in a tube near the periphery of the tube bundle. The tube signal may have dent, indication, or wear thinning characteristics. This signal may result from a foreign object contacting the tube during plant operation. If a foreign object is still near the tube it may be detectable with a low frequency.

33. PTE - PARTIAL TUBE EXPANSION - used in analysis verification of the full tubesheet expansion process to describe a condition where less than 100% of the tubesheet is expanded - generally used in S/G preservice inspections - this term is not to be used with the location of the expand transition with respect to the top of tubesheet - see TTH and TTL below

34. PTF - PARENT TUBE FLAW (sleevng) - a flaw detected by crosswound probe within the original tube (outside the sleeve) - reported during sleeve integrity analysis

35. PVN - PERMEABILITY VARIATION - a variance in the tube permeability that produces a signal that can mask other signals of interest

36. RST - RESTRICTED - indicates that the probe listed in the record would not physically pass the location specified

37. SAI - SINGLE AXIAL INDICATION - describes a single axially oriented indication signal from Rotating Pancake probe data

38. SCI - SINGLE CIRCUMFERENTIALLY ORIENTED INDICATION - describes a single circumferentially oriented indication signal from Rotating Pancake probe data

SUPERTUBIN REPORT USERS' GUIDE

39. SCM - SEE COMMENTS - instructs the reader to derive the meaning of the record from the text phrases in the COMMENTS field of the SUPERTUBIN data record - typically used for new and non-standard analysis results, e.g., avb geometry analysis that can not be handled with existing terms in this document
40. SLF - SLEEVE FLAW (sleevng) - a flaw detected by crosswound probe within an inserted sleeve - reported during sleeve integrity analysis
41. SLG - SLUDGE - secondary side feedwater deposits typically located on the top of the tubesheet and/or the top of support plates or baffles
42. SQR - SQUIRREL (pluggable) - describes a specific class of signals located in unexpanded tubesheet crevices that are unquantifiable with numeric percent values - can be associated with IGA
43. TIU - TUBE I.D. UNCERTAIN (retest) - indicates that the ROW and/or COL identifier for a given tube is in doubt and that the tube must be retested
44. TRN - TRANSITION - used in analysis verification of the full tubesheet expansion process to describe the location of the tube expansion transition with respect to the top of tubesheet and signifies an acceptable transition height - generally used in S/G preservice inspections
45. TTH - TRANSITION TOO HIGH - used in analysis verification of the full tubesheet expansion process to describe the location of the tube expansion transition with respect to the top of tubesheet - generally used in S/G preservice inspections
46. TTL - TRANSITION TOO LOW - used in analysis verification of the full tubesheet expansion process to describe the location of the tube expansion transition with respect to the top of tubesheet - generally used in S/G preservice inspections
47. UDS - UNDEFINED SIGNAL - a signal that in the analyst's opinion does not at present represent tube wall loss - the

SUPERTUBIN REPORT USERS' GUIDE

signal is reported for future review purposes

48. XHR - EXTRA SLEEVE HARD ROLL (sleevng) - pertains to sleeve analysis and describes a situation where more than the nominal number of hard rolls are detected

SA-10000000000000000000000000000000

10000000000000000000000000000000

PP-10000000000000000000000000000000

SUPERTUBIN REPORT USERS' GUIDE

LOCATION TERMS DESCRIPTION

TERMS:

1. TEH, TEC - TUBE END HOT and COLD
2. TRH, TRC - TOP OF ROLL HOT and COLD (tube end roll)
3. TSH, TSC - TOP OF TUBESHEET HOT and COLD
4. BPH, BPC - BAFFLE PLATE HOT and COLD - (in certain S/G series, e.g., 51-F, 44-F, D, F, etc.)
5. SLEEVE LOCATIONS
 - LXH, LXC - lower expansion hot/cold
 - LRH, LRC - lower roll hot/cold
 - URH, URC - upper roll hot/cold
 - UXH, UXC - upper expansion hot/cold
 - STH, STC - sleeve top hot/cold
6. #H, #C - (# = NUMBER) of SUPPORT PLATE HOT and COLD, e.g., 3H, 4C, 7H, etc
7. TH, TC - TANGENT POINT HOT and COLD (location just above top support plate where bending begins)
8. AV1, AV2, AV3, AV4, AV5, AV6, ... - ANTI-VIBRATION BARS
9. V14, V23 - used in AVB geometry analysis to refer to the two AVB bars respectively
10. BW1, BW2, BW3 ... - BAT WINGS - CE S/G'S
11. VS1, VS2, VS3 ... - VERTICAL STRAPS - CE S/G'S
12. UB - describes area from TOP SUPPORT PLATE HOT to TOP SUPPORT

SUPERTUBIN REPORT USERS' GUIDE

PLATE COLD

PROBE TYPE CODE DESCRIPTION TABLE

CODE	DESCRIPTION		
EB	ECHORAM	-	xxx-BBM(S)
EJ	ECHORAM	-	xxx-BJFM
EF	ECHORAM	-	xxx-FSBM
ER	ECHORAM	-	xxx-RPC/URPC/2RPC
E8	ECHORAM	-	xxx-8X1
ZS	ZETEC	-	A-xxx-SFRM
ZJ	ZETEC	-	A-xxx-BJRFM
ZR	ZETEC	-	B-xxx-FPHF/FRPC U-BEND
ZW	ZETEC	-	Hot Probe
ZB	ZETEC	-	BC-xxxx (8X1 PROBE)

note: "xxx" represents the numeric diameter
of the probe, e.g., .720, 680, etc.

END

APPENDIX 3

EDDY CURRENT INDICATION LISTING

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCE -C/04

INSPECTION: Apr-93

1-May-93 11:23

I DATE ROW COL PLAN CE-B CE-E PROBE IND LOCK INCH1 INCH2 CHAN VOLTS DEG TAPE1

COMMENTS

	13	10	1	TEC	TEH	610-EF	62	JH	.00	.00	1	1.39	110	C	RESULT OF DISCREPANCY RESOLUTION
	13	10													-IRETEST FOR POSITIVE I.D.
	13	10	1	TEC	TEH	610-EF PID	JH	.00	.00	M1	1.40	75	50	RESULT OF DISCREPANCY RESOLUTION	
	13	10												->>> POSITIVE I.D. ESTABLISHED <<<	
	13	10	4	JH	JH	RPC-ZR SAI	JH	.00	.00	1	1.19	130	52	IRETEST FOR POSITIVE I.D.	
	13	10	4	JH	JH	RPC-ZR LKW	JH	400.0	195.0	M1	100.00	33	52		
	13	10	4	JH	JH	RPC-Z3 SAI	JH	.02	.00	1	.86	247	55	IRETEST FOR POSITIVE I.D.	
89-Sep	13	10	0	TEH	TEC	610-EF 2AH					6		53		

	23	13	1	10C	TEH	610-EF	53	JH	.00	.00	M1	.59	99	27	RESULT OF DISCREPANCY RESOLUTION
	23	13	--												-IRETEST FOR POSITIVE I.D.
	23	13	1	JH	TEH	610-EF PID	JH	.00	.00	M1	.80	PB	56	>>> POSITIVE I.D. ESTABLISHED <<<	
	23	13	4	JH	JH	RPC-ZR SAI	JH	.00	.00	2	2.16	103	52	IRETEST FOR POSITIVE I.D.	
	23	13	4	JH	JH	RPC-ZR LKW	JH	352.0	284.0	M1	100.00	48	52		
	23	13	4	JH	JH	RPC-Z3 SAI	JH	.00	.00	1	.28	111	55	IRETEST FOR POSITIVE I.D.	
	23	13	4	JH	JH	RPC-Z3 LKW	JH	150.0	139.0	1	100.00	24	55		
89-Sep	23	13	0	TEH	TEC	610-ZA RDD					1		51		

	20	14	1	TEC	TEH	610-EF	01	JH	.00	.00	1	.45	100	8	
	20	14	4	JH	JH	RPC-ZR RDD					1		52		
89-Sep	20	14	0	TEH	TEC	610-ZA RDD					1		51		

	23	14	1	TEC	TEH	610-EF	24	JH	.00	.00	1	.56	148	8	RESULT OF DISCREPANCY RESOLUTION
	23	14	4	JH	JH	RPC-ZR RDD					1		52		
	23	14	4	JH	JH	RPC-Z3 RDD					1		55		
89-Sep	23	14	0	TEH	TEC	610-ZA RDD					1		51		

	32	16	1	TEC	TEH	610-EF	37	JH	.00	.00	1	.64	137	8	RESULT OF DISCREPANCY RESOLUTION
	32	16	4	JH	JH	RPC-ZR SAI	JH	.00	.00	2	3.53	104	52	IRETEST FOR POSITIVE I.D.	
	32	16	4	JH	JH	RPC-ZR LKW	JH	379.0	273.0	M1	100.00	47	52		
	32	16	4	JH	JH	RPC-ZR PID	JH	.00	.00	2	3.23	61	54	>>> POSITIVE I.D. ESTABLISHED <<<	
	32	16	4	JH	JH	RPC-Z3 SAI	JH	.00	.00	1	.68	282	55	IRETEST FOR POSITIVE I.D.	
	32	16	4	JH	JH	RPC-Z3 LKW	JH	672.0	172.0	1	100.00	29	55		
89-Sep	32	16	0	TEH	TEC	610-ZA RDD					1		52		

	I DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE1	COMMENTS
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INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCE -C/04

INSPECTION: APR-91

1-May-'91 11:23

DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE1	COMMENTS			
	21	45	1	TEC	TEH	610-EF	DI	3H	.00	.00	M1	.59	99	16	IRESULT OF DISCREPANCY RESOLUTION			
	21	45	4	3H	3H	RPC-ZR	MDD					1		52	1			
89-Sep	21	45	0	TEH	TEC	610-EB	MDD					1		69	1			
	22	45	1	TEC	TEH	610-EF	DI	5H	.00	.00	M1	.38	147	16	IRESULT OF DISCREPANCY RESOLUTION			
	22	45	5	5H	5H	RPC-ZR	MDD					1		53	1			
	22	45	4	3H	3H	RPC-ZR	MDD					1		53	1			
	22	45	9	TSH	TSH	RPC-ZR	MDD					1		53	1			
	22	45	8			RPC-ZR	MT					1		53	1			
	22	45	8	1H	1H	RPC-ZR	SCH	1H	.00	.00	1			53	IHD SUPPORT VISIBLE AT 1H			
89-Sep	22	45	0	TEH	TEC	610-EB	MDD					1		69	1			
		45	45	1	TEC	TEH	610-EF	DI	TEH	17.32	.00	M1	12.14	11	16	IRESULT OF DISCREPANCY RESOLUTION		
		45	45	11	TSH	TEH	RPC-ZR	MDD				1		53	1			
89-Sep		45	45	0	TEH	TEC	610-EB	MDD				1		69	1			
		46	47	1	TEC	TEH	610-EF	DI	3H	.00	.00	M1	.86	05	16	IRESULT OF DISCREPANCY RESOLUTION		
		46	47	4	3H	3H	RPC-ZR	SAI	3H	.00	.00	1	.38	84	53	IRETEST FOR POSITIVE I.D.		
		46	47	4	3H	3H	RPC-ZR	LXW	3H	390.0	278.0		100.00	48	53	1		
		46	47	4	3H	3H	RPC-ZR	FID	3H	.00	.00	1	.54	00	54	1>>>> POSITIVE I.D. ESTABLISHED <<<<		
		46	47	4	3H	3H	RPC-ZJ	SAI	3H	.00	.00	1	.45	02	55	IRETEST FOR POSITIVE I.D.		
		46	47	4	3H	3H	RPC-ZT	LXW	3H	348.0	289.0	1	100.00	49	53	1		
89-Sep		46	47	0	TEH	TEC	610-EB	MDD				1		20	1			
		20	49	1	TEC	TEH	610-EF	DI	3H	.00	.00	M1	.76	53	17	IRESULT OF DISCREPANCY RESOLUTION		
		20	49	4	3H	3H	RPC-ZR	MDD				1		52	1			
89-Sep		20	49	0	TEH	TEC	610-EB	MDD				1		70	1			
		24	49	1	TEC	TEH	610-EF	DI	7H	.00	.00	M1	.98	48	17	IRESULT OF DISCREPANCY RESOLUTION		
		24	49	6	7H	7H	RPC-ZR	MDD				1		53	1			
		24	49	5	5H	5H	RPC-ZR	MDD				1		53	1			
		24	49	4	3H	3H	RPC-ZR	MDD				1		53	1			
		24	49	7	TSH	TSH	RPC-ZR	MDD				1		53	1			
		24	49	8			RPC-ZR	MT				1		53	1			
		24	49	8	1H	1H	RPC-ZR	SCH	1H	.00	.00	1			53	IHD SUPPORT VISIBLE AT 1H		

DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE1	COMMENTS

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCE -C/D4

INSPECTION: Apr-91

1-May-91 11:23

DATE	ROW	COL	PLAK	CE-B	CE-E	PROBE	IMD	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG TAPE1	COMMENTS
89-Sep	24	49	0	TEH	TEC	610-EF	KDD				M1	.52	113	17 / RESULT OF DISCREPANCY RESOLUTION
	25	49	1	TEC	TEH	610-EF	DI	JH	.00	.00	M1	.88	36	17 / RESULT OF DISCREPANCY RESOLUTION
	25	49	4	JH	JH	RPC-ZR	KDD					1	53	1
89-Sep	25	49	0	TEH	TEC	610-EF	KDD				M1	.52	113	17 /
	26	49	1	TEC	TEH	610-EF	DI	5H	.00	.00	J	.88	36	17 / RESULT OF DISCREPANCY RESOLUTION
	26	49	5	5H	5H	RPC-ZR	KDD					1	53	1
	26	49	4	JH	JH	RPC-ZR	KDD					1	53	1
	26	49	9	TSH	TSH	RPC-ZR	KDD					1	53	1
	26	49	8			RPC-ZR	KT					1	53	1
	26	49	8	1H	1H	RPC-ZR	SCM	1H	.00	.00	1		53	1 NO SUPPORT VISIBLE AT 1H
89-Sep	26	49	0	TEH	TEC	610-EF	KDD				M1	.52	113	17 /
	7	50	1	TEC	TEH	610-EF	DI	TEH	11.43	.00	M1	.38	17	17 / RESULT OF DISCREPANCY RESOLUTION
	7	50	11	TSW	TEH	RPC-ZR	KDD					1	52	1
89-Sep	7	50	0	TEH	TEC	610-ZR	KDD				M1	.38	17	17 /
	13	50	1	TEC	TEH	610-EF	DI	TEH	10.47	.00	M1	14.74	10	17 / RESULT OF DISCREPANCY RESOLUTION
	13	50	11	TSW	TEH	RPC-ZR	KDD					1	52	1
89-Sep	13	50	0	TEH	TEC	610-EF	ZAU				6		17	17 /
	14	50	1	TEC	TEH	610-EF	DI	TEH	15.26	.00	M1	10.64	22	17 / RESULT OF DISCREPANCY RESOLUTION
	14	50	11	TSW	TEH	RPC-ZR	KDD					1	52	1
89-Sep	14	50	0	TEH	TEC	610-EF	KDD				M1	.52	113	17 /
	24	50	1	TEC	TEH	610-EF	DI	JH	.00	.00	M1	.68	94	17 / RESULT OF DISCREPANCY RESOLUTION
	24	50	4	JH	JH	RPC-ZR	KDD					1	53	1
89-Sep	24	50	0	TEH	TEC	610-EF	KDD				M1	.52	113	17 /
	29	50	1	TEC	TEH	610-EF	DI	JH	.00	.00	M1	.96	64	17 / RESULT OF DISCREPANCY RESOLUTION
	29	50	4	JH	JH	RPC-ZR	KDD					1	53	1
89-Sep	29	50	0	TEH	TEC	610-EF	KDD				M1	.52	113	17 /
DATE	ROW	COL	PLAK	CE-B	CE-E	PROBE	IMD	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG TAPE1	COMMENTS

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCE -C/04

INSPECTION Apr 91

1-Nov-91 11:13

	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE#	COMMENTS
		40	53	4	JH	JH	RPC-Z3	LKH	JH	304.0	172.0	1	100.00	20	55	1
1	89-Sep	40	53	0	TEH	TEC	610-ED	HDD				1			73	1
		21	55	1	TEC	TEH	610-EF	D1	3H	.00	.00	M1	.71	84	18	RESULT OF DISCREPANCY RESOLUTION
		21	55	4	JH	JH	RPC-ZR	HDD				1			52	1
1	89-Sep	21	55	0	TEH	TEC	610-ED	HDD				1			73	1
		40	56	1	TEC	TEH	610-EF	PI	AU2	.00	.00	M1	1.12	41	19	I-THIS TUBE MANUALLY REMOVED FROM RETEST LI
		40	56	1	11C	TEH	610-EF	22	AU2	.00	.00	M2	1.23	50	I-THIS TUBE MANUALLY REMOVED FROM RETEST LI	
1	89-Sep	40	56	0	11C	TEC	610-ED	HDD				1			4	1
1	89-Sep	40	56	0	11C	TEH	610-ED	HDD				1			81	RESULT OF DISCREPANCY RESOLUTION
		43	56	1	TEC	TEH	610-EF	PI	AU3	.00	.00	M1	.61	90	12	RESULT OF DISCREPANCY RESOLUTION
		43														
		43			11C	TEH	610-EF	16	AU3	.00	.00	M2	.76	50	I-THIS TUBE MANUALLY REMOVED FROM RETEST LI	
		43	56	2	11C	TEH	610-EF	21	AU3	.00	.00	M2	1.11	50	I-THIS TUBE MANUALLY REMOVED FROM RETEST LI	
1	89-Sep	43	56	0	11C	TEC	610-ED	HDD				1			4	1
1	89-Sep	43	56	0	11C	TEH	610-ED	HDD				1			81	1
		44	56	1	TEC	TEH	610-EF	PI	AU2	.00	.00	M1	1.71	102	17	I-THIS TUBE MANUALLY REMOVED FROM RETEST LI
		44	56	1	TEC	TLH	610-EF	PI	AU3	.00	.00	M1	2.85	20	12	I-THIS TUBE MANUALLY REMOVED FROM RETEST LI
		44	56	1	11C	TEH	610-EF	25	AU2	.00	.00	M2	1.54	50	I-THIS TUBE MANUALLY REMOVED FROM RETEST LI	
		44	56	1	11C	TEH	610-EF	32	AU3	.00	.00	M2	2.48	50	I-THIS TUBE MANUALLY REMOVED FROM RETEST LI	
1	89-Sep	44	56	0	11C	TEC	610-ED	HDD				1			4	1
1	89-Sep	44	56	0	10C	TEP	610-EP	27	AU3	.00	.00	M2	1.03	81	1	
		47	56	1	TEC	TEH	610-EF	PI	AU3	.00	.00	M1	.49	12	RESULT OF DISCREPANCY RESOLUTION	
		47	56	-												
		47	56	1	11C	TEH	610-EF	11	AU3	.00	.00	M2	.41	50	I-THIS TUBE MANUALLY REMOVED FROM RETEST LI	
1	89-Sep	47	56	0	11C	TEC	610-ED	HDD				1			4	1
1	89-Sep	47	56	0	10C	TEH	610-EP	HDD				1			81	1
		45	59	1	TEC	TEH	610-EF	PI	AU3	.00	.00	M1	.60	94	20	I-THIS TUBE MANUALLY REMOVED FROM RETEST LI
		45	59	1	TEC	TEH	610-EF	PI	AU4	.00	.00	M1	.76	119	28	I-THIS TUBE MANUALLY REMOVED FROM RETEST LI
		45	59	1	11C	TEH	610-EF	23	AU3	.00	.00	M2	1.27	266	50	I-THIS TUBE MANUALLY REMOVED FROM RETEST LI
		45	59	1	11C	TEH	610-EF	25	AU4	.00	.00	M2	1.52	50	I-THIS TUBE MANUALLY REMOVED FROM RETEST LI	
	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE#	COMMENTS

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCE -C/14

INSPECTION: Apr-91

1-May-91 1110

I DATE REC COL PLATE CE-B CE-E PROBE IND LOCK INCH1 INCH2 CHAM VOLTS DEG TAPE1

COMMENTS

I 89-Sep 45 59 0 11C TEC 610-EF MDD
 I 89-Sep 45 59 0 11C TEH 610-EF MDD

1 41

82 1

I 46 59 1 TEC TEH 610-EF PI AV1 .00 .00 N1 2.34 97 20 (RESULT OF DISCREPANCY RESOLUTION)
 I 46 59 1 TEC TEH 610-EF PI AV2 .00 .00 N1 .92 149 20 (RESULT OF DISCREPANCY RESOLUTION)
 I 46 59 1 TEC TEH 610-EF PI AV3 .00 .00 N1 1.60 113 20 (RESULT OF DISCREPANCY RESOLUTION)
 I 46 59 1 TEC TEH 610-EF PI AV4 .00 .00 N1 1.60 113 20 (RESULT OF DISCREPANCY RESOLUTION)
 I 46 59 1 11C TEH 610-EF 42 AV1 .00 .00 N2 4.86 56 IRETEST FOR POSITIVE I.D.
 I 46 59 1 11C TEH 610-EF 24 AV2 .00 .00 N2 1.36 56 1-THE TUBE MANUALLY REMOVED FROM RETEST LI
 I 46 59 1 11C TEH 610-EF 24 AV3 .00 .00 N2 3.25 56 1-THE TUBE MANUALLY REMOVED FROM RETEST LI
 I 46 59 1 11C 10H 610-EF PID AV1 .00 .00 N1 2.56 51 >>> POSITIVE I.D. ESTABLISHED <<<
 I 46 59 1 11C 10H 610-EF PID AV2 .00 .00 N1 2.56 51 >>> POSITIVE I.D. ESTABLISHED <<<
 I 89-Sep 46 59 0 11C TEC 610-EF MDD 1 41
 I 89-Sep 46 59 0 10C TEH 610-EF 24 AV1 .00 .00 N2 .74 82 (RESULT OF DISCREPANCY RESOLUTION)
 I 89-Sep 46 59 0 10C TEH 610-EF 25 AV3 .60 .00 N2 .74 82 (RESULT OF DISCREPANCY RESOLUTION)

I 39 61 1 TEC TEH 610-EF 72 3H .00 .00 N1 1.77 84 29 IRETEST FOR POSITIVE I.D.
 I 39 61 1 TEC TEH 610-EF PID 3H .00 .00 N1 1.00 26 56 >>> POSITIVE I.D. ESTABLISHED <<<
 I 39 61 4 3H 3H RPC-ZR SAI 3H .04 .00 1 20.00 23 53 IRETEST FOR POSITIVE I.D.
 I 39 61 4 3H 3H RPC-ZR LXW 3H 207.0 284.0 N1 100.00 40 53 1
 I 39 61 4 3H 3H RPC-Z3 SAI 3H .00 .00 1 1.09 69 55 IRETEST FOR POSITIVE I.D.
 I 39 61 4 3H 3H RPC-Z3 LXW 3H 357.0 220.0 1 100.00 39 55 1
 I 89-Sep 39 61 0 TEH TEC 610-EF MDD 1 25 1

I 39 70 1 TEC TEH 610-EF DI 3H .00 .00 N1 .92 100 31 1
 I 39 70 4 3H 3H RPC-ZR SAI 3H .00 .00 2 2.34 77 53 IRETEST FOR POSITIVE I.D.
 I 39 70 4 3H 3H RPC-ZR LXW 3H 246.0 328.0 N1 100.00 56 53 1
 I 39 70 4 3H 3H RPC-ZR PID 3H .00 .00 2 1.97 80 54 >>> POSITIVE I.D. ESTABLISHED <<<
 I 39 70 4 3H 3H RPC-Z3 SAI 3H .00 .00 1 .32 80 55 IRETEST FOR POSITIVE I.D.
 I 39 70 4 3H 3H RPC-Z3 LXW 3H 423.0 239.0 1 100.00 41 55 1
 I 89-Sep 39 70 0 TEH TEC 610-EF MDD 1 20 (RESULT OF DISCREPANCY RESOLUTION)

I 46 70 1 TEC TEH 610-EF DI 3H .00 .00 N1 .50 97 31 1
 I 46 70 4 3H 3H RPC-ZR SAI 3H .00 .00 1 .66 80 53 IRETEST FOR POSITIVE I.D.
 I 46 70 4 3H 3H RPC-ZR LXW 3H 220.0 195.0 N1 100.00 33 53 1
 I 46 70 4 3H 3H RPC-ZR PID 3H .00 .00 2 .61 72 54 >>> POSITIVE I.D. ESTABLISHED <<<

I DATE REC COL PLATE CE-B CE-E PROBE IND LOCK INCH1 INCH2 CHAM VOLTS DEG TAPE1

COMMENTS

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCE -C/D4

INSPECTION: MAR-81

J-H-81-V1 11121

I	DATE	ROW	COL	PLAN	CE-D	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TACI	COMMENTS
		46	70	4	JH	JH	RPC-Z2 SAI	JH	.00	.00	1	.50	89	55	IRTEST FOR POSITIVE I.D.	
		46	70	4	JH	JH	RPC-Z2 LXM	JH	303.0	206.0	1	100.00	35	55		
	89-Sep	46	70	0	TEH	TEC	610-ED MDD				1		20			
		28	76	1	11C	TEH	610-EF	DI	.00	.00	M1	1.31	98	46	IRTEST FOR POSITIVE I.D.	
		28	76	1	11C	TEH	610-EF PID	SH	.00	.00	M1	1.43	71	56	<>>> POSITIVE I.D. ESTABLISHED <<<<	
		28	76	4	JH	JH	RPC-ZR MDD				1		53			
		28	75	10	1H	TSH	RPC-ZR MDD				1		53			
		28	76	5	SH	JH	RPC-ZR SAI	SH	.00	.00	1	.75	83	55	IRTEST FOR POSITIVE I.D.	
		28	76	4	SH	SH	RPC-ZR LXM	SH	293.0	217.0	M1	100.00	37	53		
		28	76	5	SH	SH	RPC-Z2 SAI	SH	.00	.00	1	.73	76	55	IRTEST FOR POSITIVE I.D.	
		28	76	5	SH	SH	RPC-Z2 LXM	SH	314.0	156.0	1	100.00	25	55		
	89-Sep	28	76	0	TEH	TEC	610-ED MDD				1		37			
		47	76	1	TEC	TEH	610-EF	DI	SH	.00	.00	M1	.67	63	55 IRRESULT OF DISCREPANCY RESOLUTION	
		47	76	5	SH	SH	RPC-ZR MDD				1		53			
		47	76	4	JH	JH	RPC-ZR MDD				1		53			
		47	76	10	1H	TSH	RPC-ZR MDD				1		53			
	89-Sep	47	76	0	TEH	TEC	610-ED MDD				1		37			
		7	85	1	11C	TEH	610-EF	DI	SH	.00	.00	M1	.37	72	46 IRRESULT OF DISCREPANCY RESOLUTION	
		7	85	4			RPC-ZR M						52			
		7	85	4	JH	JH	RPC-ZR MDD				1		54			
		7	85	4	JH	JH	RPC-Z2 MDD				1		55			
	89-Sep	7	85	0	TEH	TEC	610-ED MDD				1		48			
		33	85	1	TEC	TEH	610-EF	IMR	TEH	12.50	.00	M1		35		
		33	85	1	11C	TEH	610-EF	IMR	TEH	12.57	.00	M1		44		
	89-Sep	33	85	0	TEH	TEC	610-ED	DI	TEH	12.54	.00	M1	2.64	34	47 IRRESULT OF DISCREPANCY RESOLUTION	
	89-Sep	33	85	0	TSH	TEH	RPC-ED	MDD				1		93		
		32	88	1	TEC	TEH	610-EF	NBM	7C	3.40	.00	1	1.43	157	36 IRRESULT OF DISCREPANCY RESOLUTION	
	89-Sep	32	88	0	TEH	TEC	610-ZA	31	7C	3.30	.00	1	.00	141	43	
	89-Sep	32	88	0	7H	7H	RPC-ZA	SCH						79	REMOVAL FROM PLUG LIST BASED ON DUOBIN TE	
	89-Sep	32	88	0	7H	7H	RPC-ZA	SAI	7C	3.75	.00	1	1.24	146	79 IRRESULT OF LAR	
	89-Sep	32	88	-	-	-	-	-	-	-	-	-	-	-	- THIS TUBE MANUALLY REMOVED FROM PLUG LIST	
	89-Sep	32	88	-	-	-	-	-	-	-	-	-	-	-	- THIS TUBE MANUALLY REMOVED FROM RETEST LIST	
		1														
I	DATE	ROW	COL	PLAN	CE-D	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TACI	COMMENTS

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CDE -C/D4

INSPECTION: APR-71

1-KW-V 11122

	DATE	ROW	COL	PLATE	CE-B	CE-E	PROBE	I&D	LOCK	IMCH1	IMCH2	CHAN	VOLTS	DEG TAPE1	COMMENTS
	23	90	1	TEH	TEH	610-EF	DI	3H	,00	,00	M1	,72	82	56	RESULT OF DISCREPANCY RESOLUTION
	23	90	4	3H	3H	RPC-ZR	SAI	2H	-,04	,00	2	2.53	89	53	IRTEST FOR POSITIVE I.D.
	23	90	4	3H	3H	RPC-ZR	LXW	3H	324.0	228.0	M1	160.00	37	53	
	23	90	4	3H	3H	RPC-ZR	PID	3H	,00	,00	2	2.23	92	54	122222 POSITIVE I.D. ESTABLISHED 111111
	23	90	4	3H	3H	RPC-ZR	SAI	3H	,00	,00	1	,35	106	55	IRTEST FOR POSITIVE I.D.
	23	90	4	3H	3H	RPC-ZR	LXW	3H	400.0	139.0	1	160.00	24	55	
	09-Sep	23	90	0	TEH	TEH	610-ZR	MDD				1			
	30	95		11C	TEH	610-EF	/?	3H	,00	,00	M1	3.00	72	42	IRTEST FOR POSITIVE I.D.
	30	95		11C	TEH	610-EF	PID	3H	,00	,00	M1	2.60	47	50	122222 POSITIVE I.D. ESTABLISHED 111111
	30	95	1	11C	TEH	610-EF	SAI	3H	,00	,00	1	2.27	79	53	IRTEST FOR POSITIVE I.D.
	30	95	4	3H	3H	RPC-ZR	LXW	3H	400.0	328.0	M1	160.00	56	53	
	30	95	4	3H	3H	RPC-ZR	SAI	3H	,00	,00	1	1.03	73	55	IRTEST FOR POSITIVE I.D.
	30	95	4	3H	3H	RPC-ZR	LXW	3H	460.0	250.1	1	160.00	43	55	
	09-Sep	30	95	0	TEH	TEH	610-ZR	MDD				1			

	DATE	ROW	COL	PLATE	CE-B	CE-E	PROBE	I&D	LOCK	IMCH1	IMCH2	CHAN	VOLTS	DEG TAPE1	COMMENTS
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TOTAL 18

INDICATION LISTING - BOTH LESS CUMULATIVE

Braidwood Unit 1

CCE -B/D4

INSPECTION: APR-91

1-Mar-V1 1112

DATE	ROW	COL	PLATE	CE-B	CE-E	PROBE	IND	LATCH	INCH1	INCH2	CHAR	VOLTS	DEG	TRIM	COMMENTS
89-Sep	18	5 1	TEC	TEH	610-EF	DI TEC	18.08	.00	M1	1.40	15	0	RESULT OF DISCREPANCY RESOLUTION		
89-Sep	18	5 0	TEC	TEH	610-EB	MDD				1		27	1		
89-Sep	20	5 1	TEC	TEH	610-EF	DI TEC	2.51	.00	M1	4.63	27	0	RESULT OF DISCREPANCY RESOLUTION		
89-Sep	20	5 1	TEC	TEH	610-EF	DI TEC	12.08	18.24	M1	6.71	20	0	RESULT OF LAR		
89-Sep	20	5 0	TEC	TEC	610-EB	SQW TEC	12.08	18.24	M1	1.54	58	27	RESULT OF LAR		
89-Sep	20	5												-1- THIS TUBE MANUALLY REMOVED FROM PLUG LIST	
89-Sep	20	5												INTEST - TEST FROM 1CL TO TEC	
89-Sep	20	5 0	2C	TEC	610-EB	PID TEC	14.76	.00	M1	1.65	63	69	RESULT OF DISCREPANCY RESOLUTION		
89-Sep	20	5												>>> POSITIVE I.V. ESTABLISHED <<<	
89-Sep	20	5 0	1C	TEC	RPC-ZA	MDD				1		71	THE Removal FROM PLUG LIST BASED ON NO/C RESUL		
89-Sep	9	6 1	TEC	TEH	610-EF	DI TEC	8.89	.00	M1	3.19	124	7	RESULT OF DISCREPANCY RESOLUTION		
89-Sep	9	6 1	TEC	TEH	610-EF	DI TEC	2.54	.00	M1	4.88	22	7	RESULT OF DISCREPANCY RESOLUTION		
89-Sep	9	6 0	TEH	TEC	610-EB	OHV				1		11	1		
89-Sep	20	7 1	TEC	TEH	610-EF	DI TEC	.74	.00	M1	2.96	110	0	RESULT OF DISCREPANCY RESOLUTION		
89-Sep	20	7 1	TEC	TEH	610-EF	DI TEC	1.57	.00	M1	1.89	24	0	RESULT OF DISCREPANCY RESOLUTION		
89-Sep	20	7 1	TEC	TEH	610-EF	DI TEC	2.20	.00	M1	4.41	60	0	RESULT OF DISCREPANCY RESOLUTION		
89-Sep	20	7 0	TEH	TFC	610-EB	MDD				1		28	1		
89-Sep	23	8 1	TEC	TEH	610-EF	DI TEC	5.32	.00	M1	2.97	27	7	RESULT OF DISCREPANCY RESOLUTION		
89-Sep	23	8 0	TEH	TEC	610-EB	MDD				1		28	1		
89-Sep	7	17 1	TEC	TEH	610-EF	IMR TEC	17.25	.00	M1			0	RESULT OF LAR		
89-Sep	7	17 0	TEC	TEC	610-EB	DI TEC	17.25	.00	M1	2.22	58	44	RESULT OF DISCREPANCY RESOLUTION		
89-Sep	7	17 0	TSC	TEC	RPC-ZA	MDD				1		71	1		
89-Sep	24	21 1	TEC	TEH	610-EF	IMR TEC	19.91	.00	M1	1.56	89	10	RESULT OF LAR		
89-Sep	24	21 1	TEC	TEH	610-EF	IMR TEC	19.91	.00	M1			22	RESULT OF LAR		
89-Sep	24	21 0	TEH	TEC	610-EB	DI TEC	19.91	.00	M1	1.33	85	32	RESULT OF DISCREPANCY RESOLUTION		
DATE	ROW	COL	PLATE	CE-B	CE-E	PROBE	IND	LATCH	INCH1	INCH2	CHAR	VOLTS	DEG	TRIM	COMMENTS

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCE -B/4

INSPECTION: MM-93

I-HIS #: 11111

DATE ROW COL PLATE CE-B CE-E PROBE IMD LOCK INCH1 INCH2 CHAM VOLTS DEG TAPE1 COMMENTS

189-Sep 24 21 0 TSC TEC RPC-ZR MDD

1 71 1

1

4 22 1 11C TEH 610-EF MEM 1H 13.52 .00 1 .70 165 26 1

4 22 1 11C TEH 610-EF MEM 3H 22.37 .00 1 .82 167 26 1

189-Sep 4 22 0 11H TEC 610-EB MDD

1 2 1

189-Sep 4 22 0 11H TEH 610-EB MDD

1 80 1

1

35 22 1 TEC TEH 610-ET MDD

1 10 1

35 22 1 11C TEH 610-ET DI 5H .00 .00 M1 .24 126 26 RESULT OF DISCREPANCY RESOLUTION

35 22 5 5H 5H RPC-ZR MDD

1 65 1

35 22 4 3H 1H RPC-ZR MDD

1 65 1

35 22 6 1H TSH RPC-ZR MDD

1 65 1

189-Sep 35 22 0 TEH TEC 610-EB MDD

1 32 1

1

43 22 1 TEC TEH 610-ET DIK TEH 15.23 .00 M1 2.45 40 10 RESULT OF LAR

189-Sep 43 22 0 TEH TEC 610-EB DI TEH 15.23 .00 M1 1.74 45 33 RESULT OF DISCREPANCY RESOLUTION

189-Sep 43 22 1 TSH TEH RPC-EB MDD

1 85 1

1

19 25 1 11C TEH 610-EF 32 TEH 16.19 .00 1 15.79 13 27 RESULT OF LAR

19 25 7 TSH TEH RPC-ZR MDD

1 65 1

189-Sep 19 25 0 TEH TEC 610-EB MDD

1 34 1

1

25 27 1 11C TEH 610-EF DI 3H .00 .00 M1 .35 105 27 1

25 27 4 3H 3H RPC-ZR MDD

1 65 1

189-Sep 25 27 0 TEH TEC 610-EB MDD

1 35 1

1

28 27 1 11C TEH 610-EF 27 TEH 20.38 .00 1 20.21 11 27 RESULT OF LAR

28 27 7 TSH TEH RPC-ZR MDD

1 65 1

189-Sep 28 27 0 TEH TEC 610-EB MDD

1 35 1

1

30 27 1 11C TEH 610-EF DI 3H .00 .00 M1 .80 40 27 1

30 27 4 3H 3H RPC-ZR MDD

1 65 1

189-Sep 30 27 0 TEH TEC 610-EB MDD

1 35 1

1

DATE ROW COL PLATE CE-B CE-E PROBE IMD LOCK INCH1 INCH2 CHAM VOLTS DEG TAPE1

COMMENTS

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

COE -D/14

INSPECTION: APR-91

I-HAC-91 1112

I	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	IMCH1	IMCH2	CHAN	VOLTS	DEG	TAPE#	COMMENTS
I		40	28	1	11C	TEH	610-EF	32	TEH	16.35	.00	1	17.60	13	27	IRRESULT OF LAR
I		40	28	7	TSH	TEH	RPC-ZR	MDD				1		65	1	
I	89-Sep	40	28	0	TEH	TEC	610-EB	MDD				1		35	1	
I																
I		29	29	1	11C	TEH	610-EF	32	TEH	16.27	.00	1	18.63	14	27	IRRESULT OF LAR
I		29	29	1	11C	TEH	610-EF	30	TEH	13.37	.00	1	18.01	12	27	IRRESULT OF LAR
I		29	29	7	TSH	TEH	RPC-ZR	MDD				1		65	1	
I	89-Sep	29	29	1	TEH	TEC	610-EB	MDD				1		36	1	
I																
I		38	29	1	11C	TEH	610-EF	30	TEH	15.16	.00	1	23.36	12	27	IRRESULT OF LAR
I		38	29	7	TSH	TEH	RPC-ZR	MDD				1		65	1	
I	89-Sep	38	29	0	TEH	TEC	610-EB	MDD				1		35	1	
I																
I		21	36	1	TEC	TEH	610-EF	INR	TEC	6.15	.00	M1			14	1
I	89-Sep	21	36	0	TEH	TEC	610-EB	DI	TEC	6.15	.00	M1	1.37	92	39	1
I	89-Sep	21	36	0	TSC	TEC	RPC-ZA	MDD				1		71	1	
I																
I		43	36	1	TEC	TEH	610-EF	INR	TEC	19.70	.00	1			14	1
I	89-Sep	43	36	0	TEH	TEC	610-EB	DI	TEC	19.99	.00	M1	2.57	36	39	IRRESULT OF DISCREPANCY RESOLUTION
I	89-Sep	43	36	0	TSC	TEC	RPC-ZA	MDD				1		71	1	
I																
I		44	39	1	TEC	TEH	610-EF	INR	TEH	19.14	.00	M1			15	1
I	89-Sep	44	39	0	TEH	TEC	610-EB	DI	TEH	19.13	.00	M2	1.40	53	40	IRRESULT OF DISCREPANCY RESOLUTION
I	89-Sep	44	39	0	TSH	TEH	RPC-EB	MDD				1		85	1	
I																
I		42	40	1	TEC	TEH	610-EF	INR	TEC	12.17	.00	M1			15	1
I		42	40	1	TEC	TEH	610-EF	INR	TEC	13.42	.00	M1			15	1
I	89-Sep	42	40	0	TEH	TEC	610-EB	DI	TEC	12.10	.00	M1	3.05	39	41	IRRESULT OF DISCREPANCY RESOLUTION
I	89-Sep	42	40	0	TEH	TEC	610-EB	DI	TEC	13.14	.00	M1	1.17	93	41	IRRESULT OF DISCREPANCY RESOLUTION
I	89-Sep	42	40	0	TSC	TEC	RPC-ZA	MDD				1		71	1	
I																
I		38	41	1	11C	TEH	610-EF	DI	3H	.00	.00	M1	.74	42	36	IRRESULT OF DISCREPANCY RESOLUTION
I		38	41	4	3H	3H	RPC-ZR	MDD				1		64	1	
I	89-Sep	38	41	0	TEH	TEC	610-EB	MDD				1		41	1	
I																
I	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	IMCH1	IMCH2	CHAN	VOLTS	DEG	TAPE#	COMMENTS

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

COL -6/D4

IMPLICATIONS APR-91

1-Nov-91 11:27

DATE	ROW	COL	PLAN	CE-D	CE-E	PROBE	IMD	LOCK	IMCH1	IMCH2	CHAN	VOLTS	DEG	TAPE1	COMMENTS	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	15	46	1	TEC	TEH	610-EF	DI	TEC	13.23	.00	M1	2.56	46	16	RESULT OF LAR	
1	89-Sep	15	46	0	TEH	TEC	610-EB	DI	TEC	13.23	.00	1	1.75	61	45	RESULT OF DISCREPANCY RESOLUTION
1	89-Sep	15	46	0	TSC	TEC	RPC-ZR	MDD			1		71	1		
1	19	47	1	TEC	TEH	610-EF	DI	SH	.00	.00	M1	.42	96	17	RESULT OF DISCREPANCY RESOLUTION	
1	19	47	5	SH	SH	RPC-ZR	MDD			1		65	1			
1	19	47	4	SH	SH	RPC-ZR	MDD			1		65	1			
1	19	47	8	TSH	TSH	RPC-ZR	MDD			1		65	1			
1	19	47	8	TSH	TSH	RPC-ZR	SCM					65	1	ISUPPORT NOT VISIBLE AT 1H		
1	89-Sep	19	47	0	TEH	TEC	610-ED	MDD			1		40	1		
1	14	48	1	TEC	TEH	610-EF	DI	TEC	12.09	.00	M1	2.68	34	17	RESULT OF DISCREPANCY RESOLUTION	
1	89-Sep	14	48	0	TEH	TEC	610-EB	DI	TEC	12.16	.00	1	1.77	53	46	RESULT OF DISCREPANCY RESOLUTION
1	89-Sep	14	48	0	TSC	TEC	RPC-ZR	MDD			1		71	1		
1	24	48	1	TEC	TEH	610-EF	DI	SH	.00	.00	M1	.37	65	17	RESULT OF DISCREPANCY RESOLUTION	
1	24	48	4	SH	SH	RPC-ZR	MDD			1		65	1			
1	89-Sep	24	48	0	TEH	TEC	610-ED	MDD			1		48	1		
1	32	48	1	TEC	TEH	610-EF	DI	SH	.00	.00	M1	.77	32	17	RESULT OF DISCREPANCY RESOLUTION	
1	32	48	4	SH	SH	RPC-ZR	MDD			1		64	1			
1	89-Sep	32	48	0	TEH	TEC	610-ED	MDD			1		46	1		
1	43	48	1	TEC	TEH	610-EF	DI	TSH	.21	.00	M1	2.74	16	18	RESULT OF DISCREPANCY RESOLUTION	
1	43	48	6	1H	TSH	RPC-ZR	MDD			1		64	1			
1	89-Sep	43	48	0	TEN	TEC	610-EB	MDD			1		46	1	RESULT OF LAR	
1	14	50	1	TEC	TEH	610-EF	DI	SH	.00	.00	M1	.37	113	17	RESULT OF DISCREPANCY RESOLUTION	
1	14	50	5	SH	SH	RPC-ZR	MDD			1		65	1			
1	14	50	4	SH	SH	RPC-ZR	MDD			1		65	1			
1	14	50	6	1H	TSH	RPC-ZR	MDD			1		65	1			
1	89-Sep	14	50	0	TEH	TEC	610-ED	MDD			1		47	1		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
DATE	ROW	COL	PLAN	CE-D	CE-E	PROBE	IMD	LOCK	IMCH1	IMCH2	CHAN	VOLTS	DEG	TAPE1	COMMENTS	

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCE - D/D4

INSPLITIONS RPM-11

1-HR 11 1112

DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE1	COMMENTS
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	24	52	1	TEC	TEH	610-EF	DI	3H	,00	,00	M1	,63	54	17	RESULT OF DISCREPANCY RESOLUTION
	24	52	4	3H	3H	RPC-ZR	MDD					1	65	1	

89-Sep	24	52	0	TEH	TEC	610-EB	MDD					1	40	1	
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	25	53	1	TEC	TEH	610-EF	DI	3H	,00	,00	M1	,65	54	17	RESULT OF DISCREPANCY RESOLUTION
	25	53	4	3H	3H	RPC-ZR	MDD					1	65	1	

89-Sep	25	53	0	TEH	TEC	610-EB	MDD					1	40	1	
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	13	54	1	TEC	TEH	610-EF	DI	3H	,00	,00	M1	,46	76	17	RESULT OF DISCREPANCY RESOLUTION
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	13	54	4	3H	3H	RPC-ZR	MDD					1	65	1	
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89-Sep	13	54	0	TEH	TEC	610-EB	2AU					1	16	1	
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	17	56	1	TEC	TEH	610-EF	DI	5H	,00	,00	M1	,25	97	17	RESULT OF DISCREPANCY RESOLUTION
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	17	56	5	5H	5H	RPC-ZR	MDD					1	65	1	
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	17	56	4	3H	3H	RPC-ZR	MDD					1	65	1	
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	17	56	6	1H	1SH	RPC-ZR	MDD					1	65	1	
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89-Sep	17	56	1	TEH	TEC	610-EB	MDD					1	49	1	
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	25	56	1	TEC	TEH	610-EF	M2M	2C	7.91	,00	6	,64	150	21	RESULT OF LAR
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89-Sep	25	56	0	TEH	TEC	610-EB	MDD					1	50	1	
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	47	56	1	TEC	TEH	610-EF	P1	AU2	,06	,00	M3	,66	145	21	RESULT OF DISCREPANCY RESOLUTION
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	47	56	1	TEC	TEH	610-EF	P1	AU3	,06	,00	M1	,66	21	RESULT OF DISCREPANCY RESOLUTION
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	47	56													-IRETEST - TEST FULL LENGTH
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	47	56	1	TEC	TEH	610-EF	16	AU2	,06	,00	M2	,68	61	1	
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	47	56	1	TEC	TEH	610-EF	23	AU3	,06	,00	M2	1.23	61	1	
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89-Sep	47	56	0	11C	TEC	610-EB	MDD					1	61	1	
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89-Sep	47	56	0	11C	TEH	610-EB	MDD					1	71	1	
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	32	59	1	TEC	TEH	610-EF	19	2C	,06	,00	1	1.00	156	47	1
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89-Sep	32	59	0	TEH	TEC	610-EB	MDD					1	50	1	
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	41	59	1	TEC	TEH	610-EF	P1	AU2	,06	,00	M1	1.14	57	47	1
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	41	59	1	TEC	TEH	610-EF	P1	AU3	,06	,00	M1	1.49	160	47	IRETEST - TEST FULL LENGTH
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DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE1	COMMENTS
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INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCE -D/D4

INSPECTION: Sep-71

I-Hau-#1 11122

I	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE#	COMMENTS
I		41	59	1	TEC	TEH	610-EF	25	AU2	.00	.00	R2	1.44	61	1	
I		41	59	1	TEC	TEH	610-EF	18	AU3	.00	.00	R2	.02	61	1	RESULT OF DISCREPANCY RESOLUTION
I	89-Sep	41	59	0	11C	TEC	610-EB	MDD					1		61	
I	89-Sep	41	59	0	11C	TzH	610-EB	MDD					1		77	
I															1	
I		46	59	1	TEC	TEH	610-EF	PI	AU2	.00	.00	1	3.30	117	47	1
I		46	59	1	TEC	TEH	610-EF	PI	AU3	.00	.00	1	3.08	121	47	I-TEST - TEST FULL LENGTH
I		46	59	1	TEC	TEH	610-EF	42	AU2	.00	.00	R2	4.08	61	1	I-TEST FOR POSITIVE I.D.
I		46	59	1	TEC	TEH	610-EF	41	AU3	.00	.00	R2	4.63	61	1	I-TEST FOR POSITIVE I.D.
I		46	59	1	11C	TEH	610-ET	PID	AU2	.00	.00	R1	3.11	99	62	>>> POSITIVE I.D. ESTABLISHED <<<
I		46	59	1	11C	TEH	610-ET	PID	AU3	.00	.00	R1	2.89	96	62	>>> POSITIVE I.D. ESTABLISHED <<<
I	89-Sep	46	59	0	11C	TEC	610-EB	MDD					1		61	
I	89-Sep	46	59	0	11C	TEH	610-EB	35	AU2	.00	.00	R2	1.52	77	1	
I	89-Sep	46	59	0	11C	TEH	610-EB	35	AU3	.00	.00	R2	1.38	77	1	
I															1	
I		44	62	1	TEC	TEH	610-EF	DI	TSH	.00	.00	R1			48	RESULT OF DISCREPANCY RESOLUTION
I		44	62	6	1H	TSH	RPC-ZR	MDD					1		64	1
I	89-Sep	44	62	0	TEH	TSC	610-EB	MDD					1		51	1
I	89-Sep	44	62	0	11H	TEC	610-EF	MDD					1		51	1
I															1	
I		32	63	1	11C	TEH	610-EF	MDD	BH	2.63	.00	1	1.71	166	34	RESULT OF DISCREPANCY RESOLUTION
I	89-Sep	32	63	0	TEH	TEC	610-EB	MDD	BH	2.70	.00	1			52	RESULT OF DISCREPANCY RESOLUTION
I															1	
I		42	66	1	11C	TEH	610-EF	DI	TEH	10.50	.00	R1	4.17	16	34	RESULT OF DISCREPANCY RESOLUTION
I		42	66	7	1H	TSH	RPC-ZR	MDD					1		64	1
I		42	66	7	TSW	TEH	RPC-ZR	MDD					1		65	1
I	89-Sep	42	66	0	TEH	TEC	610-EB	MDD					1		53	1
I															1	
I		4	68	1	11C	TEH	610-EF	DI	TEH	13.25	.00	R1	14.55	2	34	RESULT OF DISCREPANCY RESOLUTION
I		4	68	7	1H	1H	RPC-ZR	MDD					1		64	1
I		4	68	7	TSW	TEH	RPC-ZR	MDD					1		65	1
I	89-Sep	4	68	0	11C	TEC	610-EB	MDD					1		7	I-TEST - TEST FROM 11CL TO TEH
I	89-Sep	4	68	0	11H	TEC	5PO-EB	MDD					1		10	1
I	89-Sep	4	68	0	11H	TEH	610-EB	MDD					1		84	1
I															1	
I		8	69	1	11C	TEH	610-EF	DI	3H	.00	.00	R1	1.20	55	36	RESULT OF DISCREPANCY RESOLUTION

I	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE#	COMMENTS
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INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCE -E/D4

INSPECTION: 8PC-91

1-Nov-91 1112

DATE ROW COL PLATE CE-B CE-E PROBE IMD LOCK INCH1 INCH2 CHAM VOLTS DEG TAPEI												COMMENTS			
1	8	69	4	3H	3H	RPC-ZR	MDD		1	.64	1				
1	89-Sep	8	69	0	TEH	TEC	610-EF	26U		1	.29	1			
1	89-Sep	8	69	0	3H	3H	KPC	EB	MDD		.85	1			
		30	77	1	11C	TEH	610-EF	DI	3H	.00	.00	M1	.55 76 40	RESULT OF DISCREPANCY RESOLUTION	
		30	77	4	3H	3H	RPC-ZR	MDD				1	.64	1	
	1	89-Sep	30	77	0	TEH	TEC	610-EB	MDD			1	.58	1	
		42	80	1	11C	TEH	610-EF	PI	WUJ	.00	.00	M1	.94 59 41	RESULT OF DISCREPANCY RESOLUTION	
		42	80	-										INTEST - TEST FROM 11C TO TEH	
		42	80	1	10C	TEH	610-EF	27	WUJ	.00	.00	M2	1.73	61 1	
	1	89-Sep	42	80	0	TEH	TEC	610-EB	MDD			1	.60	1	
		39	84	1	TEC	TEH	610-EF	DI	3H	.00	.00	M1	.61 45 55	RESULT OF DISCREPANCY RESOLUTION	
		39	84	4	3H	3H	RPC-ZR	MDD				1	.64	1	
	1	89-Sep	39	84	0	TEH	TEC	610-EB	MDD			1	.62	1	
		4	88	1	11C	TEH	610-EF	DI	5H	.00	.00	M1	1.92 23 37	RESULT OF DISCREPANCY RESOLUTION	
		4	88	5	5H	5H	RPC-ZR	MDD				1	.64	1	
		4	88	4	3H	3H	RPC-ZR	MDD				1	.64	1	
		4	88	6	1H	TSH	RPC-ZR	MDD				1	.64	1	
	1	89-Sep	4	88	0	11H	TEC	610-EB	MDD			1	.81	1	
		4	88	0	11H	TEH	610-EF	MDD				1	.03	1	
		36	88	1	TEC	TEH	610-EF	DI	TEC	8.16	.00	M1	2.25 37 56	RESULT OF LAR	
	1	89-Sep	36	88	0	TEH	TEC	610-EB	DI	TEC	8.35	.00	M1	1.60 48 64	1
		36	88	0	TSC	TEC	RPC-ZR	MDD				1	.71	1	
		45	90	1	TEC	TEH	610-EF	MWD	2H	17.30	.00	1	.36 125 57	RESULT OF DISCREPANCY RESOLUTION	
	1	89-Sep	45	90	0	TEH	TEC	610-EB	MDD			1	.65	1	
		5	92	1	11C	TEH	610-EF	DI	5H	.00	.00	M1	1.34 31 38	RESULT OF DISCREPANCY RESOLUTION	
		5	92	-										INTEST - TEST FULL LENGTH	
		5	92	1	TEC	TEH	610-EF	MDD				1	.57	1	
DATE	ROW	COL	PLATE	CE-B	CE-E	PROBE	IMD	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPEI	COMMENTS

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCE -8/14

INSPECTION: 808-V1

I-Ru V1 1172

	DATE	ROW	COL	PLATE	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE1	CONNECTS
		5	92	5	5H	5H	RPC-ZR	KDD				1	.00			
		5	92	4	3H	3H	RPC-ZR	KDD				1	.63			
		5	92	6	1H	1H	RPC-ZR	KDD				1	.63			
		5	92	5	5H	5H	RPC-ZR	KDD				1	.64			
		5	92	4	3H	3H	RPC-ZR	KDD				1	.64			
		5	92	6	1H	TSH	RPC-ZR	KDD				1	.64			
	89-Sep	5	92	0	11H	TEC	610-EF	KDD				1	.00			
	89-Sep	5	92	0	11H	TEH	610-EF	KDD				1	.83			
		26	93	1	11C	TEH	610-EF	KDD	11H	16.36	.00	6	4.57	26	44	RESULT OF DISCREPANCY RESOLUTION
	89-Sep	26	93	0	TEH	TEC	610-EF	KDD				1	.67			
		13	99	1	11C	TEH	610-EF	DI	3H	.00	.00	M1	.81	66	45	RESULT OF LAR
		13	99	1	11C	TEH	610-EF	PID	3H	.00	.00	M1	.65	71	61	POSITIVE I.D. ESTABLISHED (((((
		13	99	4	3H	3H	RPC-ZR	KDD				1	.64			
	89-Sep	13	99	3	TEH	TEC	610-EF	ZAU				6	.18			
		11	103	1	TEC	TEH	610-EF	IMR	3H	.00	.00	M1				
	89-Sep	11	103	0	TEH	TEC	610-EF	ZAU				6				
	89-Sep	11	103	0	TEH	TEC	610-EF	DI	3H	.00	.00	M1	.62	58	17	RESULT OF LAR
	89-Sep	11	103	0	3H	3H	RPC-EF	KDD				1	.65			
		13	109	1	11C	TEH	610-EF	DI	5H	.00	.00	M1	.51	70	46	1
		13	109	5	5H	5H	RPC-ZR	KDD				1	.63			
		13	109	4	3H	3H	RPC-ZR	KDD				1	.63			
		13	109	6	1H	TSH	RPC-ZR	KDD				1	.63			
	89-Sep	13	109	0	TEH	TEC	610-EF	ZAU				1	.16			
	DATE	ROW	COL	PLATE	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE1	CONNECTS

INDICATION LISTING - BOTH LEGS CIRCUMVENTIVE

Braidwood Unit 1

CCE - 4/14

IMPLICATIONS APP Y1

P-Acc 51 22222

DATE ROW COL PLATE CE-B CE-E PROBE IND LOCK INCH1 INCH2 CHAM VOLTS DEG TAPE1

COMMENTS

10	3	1	TEC	TEH	610-EF SPA TSH	.24	.00	1	.76	14	2	RESULT OF L&D	
10	3	1	TEC	TEH	610-EF DMT SH	-.56	.00	M1	20.31	181	2	I	
10	3	1	TEC	TEH	610-EF DMT SH	-.33	.00	M1	6.03	181	2	I	
10	3	1	TEC	TEH	610-EF DI 7H	.00	.00	1	.50	90	2	RESULT OF DISCREPANCY RESOLUTION	
10	3	6	ZH	ZH	RPC-ZR RDD				54	1	I		
10	3	5	SH	SH	RPC-ZR RDD				54	1	I		
10	3	4	3H	3H	RPC-ZR RDD				54	1	I		
10	3	10	1H	TSH	RPC-ZR RDD				54	1	I		
89-Sep	10	3	0	TEH	TEC	610-EF 2AU				10	1	I	
89-Sep	10	3	0	TEH	TEC	610-EF DMT SH	-.19	.00	M1	19.85	181	18	I

10	5	1	11C	TEH	610-EF DI 3H	.00	.00	M1	.76	66	45	I
10	5	4	3H	3H	RPC-ZR SAI 3H	.00	.00	1	53.00	124	54	IRTEST FOR POSITIVE I.D.
10	5											> POSITIVE I.D. ESTABLISHED
10	5											RPC INDICATION PID FROM BURNDIX TEST
10	5	4	3H	3H	RPC-ZR LXR 3H	445.0	284.0	1	100.00	40	54	I
89-Sep	10	5	0	TEK	TEC	610-EF 1AU				10	1	I

16	7	1	11C	TEH	610-EF 1H 3H	.00	.00	M1	1.14	127	40	RESULT OF DISCREPANCY RESOLUTION
16	7	4	3H	3H	RPC-ZR MWI 3H	.00	.00	1	43.00	150	54	IRTEST FOR POSITIV. I.D.
16	7											> POSITIVE I.D. ESTABLISHED
16	7											RPC INDICATION PID FROM BURNDIX TEST
16	7	4	3H	3H	RPC-ZR LXR 3H	210.0	256.0	1	100.00	44	54	I
89-Sep	16	7	0	TEH	TEC	610-EF RDD				23	1	I

12	15	1	11C	TEH	610-EF DI 3H	.00	.00	M1	.72	67	44	I
12	15	4	3H	3H	RPC-ZR RDD				54	1	I	
89-Sep	12	15	0	TEH	TEC	610-EF 2AU				10	1	I

14	21	1	TEC	TEH	610-EF DI TEH	17.06	.00	M1	1.09	54	5	RESULT OF DISCREPANCY RESOLUTION
14	21	11	TSH	TEH	RPC-ZR RDD				54	1	I	
89-Sep	14	21	0	TEH	TEC	610-EF RDD				28	1	I

DATE	ROW	COL	PLATE	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAM	VOLTS	DEG	TAPE1	COMMENTS
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INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCE 4/4/04

INSPECTION: APR-01

1-Nov-93 11:23

DATE	ROW	COL	PLAK	CE-B	CE-E	PRIME	ID#	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE1	COMMENTS
189-Sep	32	23	1	11C	TEH	621-EF	RPA-RV3	.627	.00	6	2.61	170	45	IRESULT OF DISCREPANCY RESOLUTION	
189-Sep	32	23	0	TEH	TEC	621-EB	RDD			1		20	1		
189-Sep	17	35	1	TEC	TEH	621-F	25	SH	.00	.00	M1	.43	123	0	IRPC INDICATION PID FROM BWDIN TEST
189-Sep	17	35	4	SH	SH	RPI-ZR	SAI	SH	.00	.00	1	.34	93	54	IRESULT OF DISCREPANCY RESOLUTION
189-Sep	17	35													IRTEST FOR POSITIVE I.D.
189-Sep	17	35	4	TEH	TEC	621-EB	RDD			1		34	1		>> POSITIVE I.D. ESTABLISHED <<<<
189-Sep	11	41	1	TEC	TEH	621-EF	DI	TEH	16.50	.00	1	2.06	45	11	IRESULT OF DISCREPANCY RESOLUTION
189-Sep	11	41	11	TSH	TEH	RPI-ZR	RDD			1			54	1	
189-Sep	11	41	0	TEH	TEC	621-EB	RVU			6		21	1		
189-Sep	1	42	1	11H	TEH	621-EF	RDD			1		50	1		
189-Sep	1	42	3	11C	11H	RPI-ZR	SAI	11H	2.35	.00	1	9.58	27	61	IRTEST FOR POSITIVE I.D.
189-Sep	1	42	3	11C	11H	RPI-ZR	LXH	11H	269.0	261.0	1	100.00	45	61	I
189-Sep	1	42	3	11H	11C	RPI-ZR	PID	11H	2.38	.00	1	19.95	21	62	>> POSITIVE I.D. ESTABLISHED <<<<
189-Sep	1	42	2	11C	TEC	59-F	RDD			1		66	1		
189-Sep	1	42	6	11H	TEC	59-F	RDD			1		72	1		
189-Sep	1	42	6	11H	TEH	621-EF	RDD			1		73	1		
189-Sep	1	42	6	11C	11H	RPI-ZR	RDD			1		83	1		
189-Sep	1	42	6	11C	10H	RPI-EB	RDD			1		88	11-HEAT HEAT DETECTED		
189-Sep	1	42	6	11C	11H	RPI-ZR	RDD			1		92	1		
189-Sep	24	48	1	TEC	TEH	621-EF	DI	SH	.00	.00	1	.55	124	13	IRPC INDICATION PID FROM BWDIN TEST
189-Sep	24	48	4	SH	SH	RPI-ZR	LXH	SH	201.0	456.0	1	100.00	78	54	I
189-Sep	24	48	4	SH	SH	RPI-ZR	SAI	SH	.00	.00	1	.66	105	54	IRESULT OF DISCREPANCY RESOLUTION
189-Sep	24	48													IRTEST FOR POSITIVE I.D.
189-Sep	24	48	4	TEH	TEC	621-EB	RDD			1		40	1		>> POSITIVE I.D. ESTABLISHED <<<<
189-Sep	33	49	1	TEC	TEH	621-EF	26	SH	.00	.00	M1	.50	122	13	I
189-Sep	33	49	4	SH	SH	RPI-ZR	RDD			1			54	1	
189-Sep	33	49	0	TEH	TEC	621-EB	RDD			1		41	1		
189-Sep	8	52	1	11C	TEH	621-EF	68	SH	.00	.00	M1	1.93	86	45	IRESULT OF DISCREPANCY RESOLUTION
DATE	ROW	COL	PLAK	CE-B	CE-E	PRIME	ID#	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE1	COMMENTS

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

OCE N-1A

INSPECTION: MAR '81

1-MAR-'81 11:00

	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE1	COMMENTS
		8	52													-1KTEST FOR POSITIVE I.D.
		8	52	1	11C	TEH	610-EF	PID	3H	.00	.00	M1	1.73	.00	54	>>> POSITION I.D. ESTABLISHED <<<
		8	52	4	3H	3H	RPC-ZR	MAI	3H	.00	.00	1	20.00	260	54	I-KTEST FOR POSITIVE I.D.
		8	52	4	3H	3H	RPC-ZR	LW	3H	283.0	323.0	1	100.00	35	54	
	89-Sep	8	52	0	TEH	TEC	610-EF	ZAU				6		21	1	
		11	52	1	10C	TEH	610-EF	DI	3H	.00	.00	M1	.21	00	47	1
		11	52	4	3H	3H	RPC-ZR	KDD				1		54	1	
	89-Sep	11	52	0	TEH	TEC	610-EF	ZAU				6		21	1	
		24	53	1	TEC	TEH	610-EF	DI	3H	.00	.00	M1	.71	42	14	1
		24	53	1	TEC	TEH	610-EF	DHT	10H	22.35	.00	1	7.56	181	14	1
		24	53	4	3H	3H	RPC-ZR	KDD				1		54	1	
	89-Sep	24	53	0	TEH	TEC	610-EF	KDD				1		43	1	
		25	54	1	TEC	TEH	610-EF	DI	3H	.00	.00	M1	.22	29	14	I-RESULT OF DISCREPANCY RESOLUTION
		25	54	4	3H	3H	RPC-ZR	KDD				1		54	1	
	89-Sep	25	54	0	TEH	TEC	610-EF	KDD				1		43	1	
		29	54	1	TEC	TEH	610-EF	DI	3H	.00	.00	M1	.29	129	14	I-RESULT OF DISCREPANCY RESOLUTION
		29	54	4	3H	3H	RPC-ZR	KDD				1		54	1	
	89-Sep	29	54	0	TEH	TEC	610-EF	KDD				1		43	1	
		44	56	1	TEC	TEH	610-EF	29	AU1	.00	.00	M2	1.90		14	1
	89-Sep	44	56	0	11C	TEC	610-CD	KDD				1				I-RESULT OF DISCREPANCY RESOLUTION
	89-Sep	44	56	0	11C	TEH	610-ED	30	AU1	.00	.00	M2	1.25	71		I-RESULT OF DISCREPANCY RESOLUTION
		45	56	1	TEC	TEH	610-EF	19	AU1	.00	.00	M2	.79		14	I-RESULT OF DISCREPANCY RESOLUTION
		45	56	1	TEC	TEH	610-EF	33	AU2	.00	.00	M2	2.70		14	1
	89-Sep	45	56	0	11C	TEC	610-EB	KDD				1				
	89-Sep	45	56	0	11C	TEH	610-EB	KDD				1		71	1	
		46	56	1	TEC	TEH	610-EF	18	AU2	.00	.00	J2	.70		14	I-RESULT OF DISCREPANCY RESOLUTION
	89-Sep	46	56	0	11C	TEC	610-EB	KDD				1				
	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE1	COMMENTS

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCE - R/D4

INSPECTION: RPD-71

1-Aug-71 1111

	DATE	ROW	COL	PLATE	CE-B	CE-E	PROBE	IND LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE1	COMMENTS
		46	59	1	TEC	TEH	610-EF	PI	AU2	.00	.00	M1	5.20	28	1
		46	59	1	TEC	TEH	610-EF	PI	AU4	.00	.00	M1	1.06	28	1
		46	59	1	TEC	TEH	610-EF	46	AU2	.00	.00	M2	8.52	51	TEST FOR POSITIVE I.D.
		46	59	1	TEC	TEH	610-EF	27	AU4	.00	.00	M2	1.57	51	1
		46	59	1	TEC	TEH	610-EF	PID	AU2	.00	.00	1	5.23	113	53 >>> POSITIVE I.D. ESTABLISHED <<<
	89-Sep	46	59	0	11C	TEC	610-EB	MDD				1		1	
	89-Sep	46	59	0	11C	TEH	610-EB	28	AU2	.00	.00	M2	.97	71	1

		47	59	1	TEC	TEH	610-EF	PI	AU2	.00	.00	M1	1.75	28	TEST - TEC FULL LENGTH
		47	59	1	TEC	TEH	610-EF	34	AU2	.00	.00	M2	2.79	51	1
	89-Sep	47	59	0	11C	TEC	610-EB	MDD				1		1	
	89-Sep	47	59	0	11C	TEH	610-EB	MDD				1		71	

		1	60	1	11H	TEH	610-ET	DI	SH	.00	.00	M1	.55	81	29 RESULT OF DISCREPANCY RESOLUTION
		1	60	4	3H	3H	RPC-ZR	MDD				1		55	1
		1	60	3	11C	11H	RPC-ZR	MDD				1		59	1
		1	60	2	11C	TEC	590-ET	MDD				1		64	1
	89-Sep	1	60	0	12H	TEC	590-EB	MDD				1		10	1
	89-Sep	1	60	0	11H	TEH	610-EB	MDD				1		75	1
	89-Sep	1	60	0	11C	11H	RPC-ZA	MDD				1		82	1
	89-Sep	1	60	0	11C	9H	590-EB	MDD				1		89	10-EDM MEAT TREAT DETECTED
	89-Sep	1	60	0	11C	11H	RPC-ZA	MDD				1		94	1

		46	60	1	TEC	TEH	610-EF	PI	AU1	.00	.00	M1	.61	28	1
		46	60	1	TEC	TEH	610-EF	PI	AU3	.00	.00	M1	.54	28	RESULT OF DISCREPANCY RESOLUTION
		46	60	1	TEC	TEH	610-EF	24	AU1	.00	.00	M2	1.06	51	RESULT OF DISCREPANCY RESOLUTION
		46	60	1	TEC	TEH	610-EF	22	AU2	.00	.00	M2	.85	51	RESULT OF DISCREPANCY RESOLUTION
		46	60	1	TEC	TEH	610-EF	21	AU3	.00	.00	M2	.75	51	RESULT OF DISCREPANCY RESOLUTION
	89-Sep	46	60	0	11C	TEC	610-EB	MDD				1		1	
	89-Sep	46	60	0	11C	TEH	610-EB	MDD				1		71	

		17	61	1	TEC	TEH	610-ET	DI	SH	.00	.00	M1	.47	111	17 RESULT OF DISCREPANCY RESOLUTION
		17	61	5	5H	5H	CYC-ZR	MDD				1		55	1
		17	61	4	3H	3H	RPC-ZR	MDD				1		55	1
		17	61	10	1H	TSH	RPC-ZR	MDD				1		55	1
	89-Sep	17	61	0	TEH	TEC	610-EB	MDD				1		47	1

		24	61	1	TEC	TEH	610-ET	DI	SH	.00	.00	M1	.33	76	17 RESULT OF DISCREPANCY RESOLUTION

	DATE	ROW	COL	PLATE	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE1	COMMENTS
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INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

COE - K/14

IMPLANTION R6P-V1

1-KW-91 111-2

DATE	ROW	COL	PLAK	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DC6	TAPE1	COMMENTS
	24	61	4	3H	3H	RPC-ZR	MDD					.00		1	55
89-Sep	24	61	0	TEH	TEH	610-EP	MDD					.00		1	47
	40	61	1	TEC	TEH	610-EP	IMR	TSC	.00	.00	1				18 RESULT OF LAR
	40	61	1	TEC	TEH	610-EP	IMR	TEC	29.47	.00	1				18 RESULT OF LAR
89-Sep	40	61	0	TEH	TEC	610-EP	DI	TEC	29.47	.00	M1	1.13	102	47 RESULT OF DISCREPANCY RESOLUTION	
89-Sep	40	61	-	-	-	-	-	-	-	-	-	-	-	-	INTEST - TEST FULL LENGTH
89-Sep	40	61	0	TSC	TSC	RPC-ZR	MDD					.00		1	70
89-Sep	40	61	0	TEC	TEH	610-EP	DI	TSC	.00	.00	M1	1.63	122	72 RESULT OF DISCREPANCY RESOLUTION	
	49	63	1	TEC	TEH	610-EP	IMF	TEH	19.25	.00	1				18 RESULT OF LAR
	49	63	1	TEC	TEH	610-EP	DI	TEH	16.11	.00	M1	3.27	40	18 RESULT OF LAR	
	49	63	11	TSH	TEH	RPC-ZR	MDD								55
89-Sep	49	63	0	11C	TEC	610-EP	MDD								1
89-Sep	49	63	0	11C	TEH	610-EP	DI	TEH	19.25	.00	M1	1.50	42	71 RESULT OF DISCREPANCY RESOLUTION	
89-Sep	49	63	0	TSH	TEH	RPC-ZR	MDD								86
	50	64	1	TEC	TEH	610-EP	DI	SH	.00	.00	M1	.45	127	18 RESULT OF DISCREPANCY RESOLUTION	
		50	5	SH	SH	RPC-ZR	MDD								55
	50	64	4	3H	3H	RPC-ZR	MDD								55
	50	64	10	1H	TSH	RPC-ZR	MDD								55
89-Sep	50	64	0	TEH	TEC	610-EP	MDD								48
	39	64	1	11C	TEH	610-EP	DI	3H	.00	.00	M1	.83	59	36 RESULT OF DISCREPANCY RESOLUTION	
	39	64	-	-	-	-	-	-	-	-	-	-	-	-	IRPC INDICATION PWD FROM BUREAU TEST
	39	64	4	3H	3H	RPC-ZR	SAT	3H	.00	.00	1	.46	133	55 INTEST FOR POSITIVE I.B.	
	39	64	-	-	-	-	-	-	-	-	-	-	-	-	>>> POSITIVE I.B. ESTABLISHED <<<
89-Sep	39	64	4	3H	3H	RPC-ZR	LXH	3H	290.0	261.0	1	106.00	45	55	
89-Sep	39	64	0	TEH	TEC	610-EP	MDD								48
	49	64	1	TEC	TEH	610-EP	IMF	TEH	2.93	.00	1				18 RESULT OF LAR
	49	64	1	TEC	TEH	610-EP	DI	TEH	6.14	.00	M1	.02	97	18 RESULT OF LAR	
	49	64	11	TSH	TEH	RPC-ZR	MDD								55
89-Sep	49	64	0	11C	TEC	610-EP	MDD								1
89-Sep	49	64	0	11C	TEH	610-EP	DI	TEH	2.93	.00	M1	1.24	41	71 RESULT OF DISCREPANCY RESOLUTION	
89-Sep	49	64	0	TSH	TEH	RPC-ZR	MDD								85
DATE	ROW	COL	PLAK	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DC6	TAPE1	COMMENTS

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCE - 6/04

INSPECTION: APR-91

1-May-91 11:21

I	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	IMCH1	IMCH2	CHAN	VOLTS	DEG	TAPE1	COMMENTS
	11	66	1	TEC	TEH	610-EF	DI	TEH	18.29	.00	M1	12.55	10	23	RESULT OF DISCREPANCY RESOLUTION	
	11	66	11	TSH	TEH	RPC-ZR	MDD				1		55	1		
	89-Sep	11	66	0	TEH	TEC	610-EB	ZAV			1		17	1		
	18	66	1	11C	TEH	610-EF	25	TSH	.27	.00	1	1.64	10	36	1	
	18	66	10	1H	TSH	RPC-ZR	MDD				1		55	1	RESULT OF LAR	
	18	66	10	1H	TSH	RPC-ZR	SCI	TSH	.47	.00	3	6.35	16	55	1	
	18	66													I-THIS TUBE NORMALLY REMOVED FROM RETEST LIST	
	18	66													REMOVED FROM PLUG LIST BASED ON RPC RESULTS	
	89-Sep	18	66	10	1H	TSH	RPC-ZR	MDD			1		61	1	THIS DATA TAPES ANALYSIS CHANGES PRIOR ANALYSIS	
	18	66	0	TEH	TEC	610-EB	MDD				1		49	1		
	27	66	1	11C	TEH	610-EF	DI	SH	.00	.00	M1	.57	102	30	1	
	27	66	5	SH	SH	RPC-ZR	Z-0	MDD			1		55	1		
	27	66	4	3H	3H	RPC-ZR	MDD				1		55	1		
	27	66	8	1H	1H	RPC-ZR	SCI						55	1	ISMPORT NOT VISIBLE AT 1H	
	27	66	9	TSH	TSH	RPC-ZR	MDD				1		55	1		
	89-Sep	27	66	0	TEH	TEC	610-EB	MDD			1		49	1		
	48	67	1	TEC	TEH	610-EF	DI	TEH	4.40	.00	M1	3.66	73	15	1	
	48	67	11	TSH	TEH	RPC-ZR	MDD				1		55	1		
	89-Sep	48	67	0	11C	TEC	610-EB	MDD			1				1	
	89-Sep	48	67	0	11C	TEH	610-EB	DI	TEH	4.37	.00	M1	1.11	112	72	1
	89-Sep	48	67	0	TSW	TEH	RPC-ZR	MDD			1		85	1		
	3	69	1	11C	TEH	610-EF	MDD	SH	18.14	.00	1	.60	156	37	1	
	3	69	2	11C	TEC	590-EF	MDD				1		64	1		
	89-Sep	3	69	0	11H	TEC	610-EB	MDD			1			6	1	
	89-Sep	3	69	0	11H	TEH	610-EB	IMR	SH	10.10	.00	1		75	1	
	9	73	1	TEC	TEH	610-EF	DI	TEH	12.10	.00	M1	11.67	15	23	RESULT OF DISCREPANCY RESOLUTION	
	9	73	11	TSH	TEH	RPC-ZR	MDD				1		55	1		
	89-Sep	9	73	0	TEH	TEC	610-EB	ZAV			1		16	1		
	35	73	1	TEC	TEH	610-EF	DI	7H	.00	.00	M1	.49	75	21	1	
	35	73	6	7H	7H	RPC-ZR	MDD				1		55	1		
I	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	IMCH1	IMCH2	CHAN	VOLTS	DEG	TAPE1	COMMENTS

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCE -R/D4

INCLUSION: APR-71

1-KL0-71 1112

	DATE	ROW	COL	PLAK	CE-B	CE-E	PROBE	IMD	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE#	COMMENTS
		35	73	5	SH	SH	RPC-ZR	MDD				1		55	1	
		35	73	4	SH	SH	RPC-ZR	MDD				1		55	1	
		35	73	10	1H	TSW	RPC-ZR	MDD				1		55	1	
	89-Sep	35	73	0	TEH	TEC	610-EF	MDD				1		52	1	
		24	74	1	11C	TEH	610-EF	DI	SH	.00	.00	R1	.61	115	31	RESULT OF DISCREPANCY RESOLUTION
		24	74	4	SH	SH	RPC-ZR	MDD				1		55	1	
	89-Sep	24	74	0	TEH	TEC	610-EF	MDD				1		53	1	
		34	74	1	11C	TEH	610-EF	DI	SH	.00	.00	1	.66	70	31	RESULT OF DISCREPANCY RESOLUTION
		34	74	4	SH	SH	RPC-ZR	MDD				1		55	1	
	89-Sep	34	74	0	TEH	TEC	610-EF	MDD				1		53	1	
		24	76	1	10C	TEH	610-EF	DI	SH	.00	.00	R1	.50	65	31	RESULT OF DISCREPANCY RESOLUTION
		24	76	4	SH	SH	RPC-ZR	MDD				1		55	1	
	89-Sep	24	76	0	TEH	TEC	610-EF	MDD				1		54	1	
		42	76	1	11C	TEH	610-EF	DI	TEH	12.1*	.00	R1	3.67	41	31	RESULT OF DISCREPANCY RESOLUTION
		42	76	11	TSW	TEH	RPC-ZR	MDD				1		55	1	
	89-Sep	42	76	0	TEH	TEC	610-EF	MDD				1		54	1	
		30	77	1	11C	TEH	610-EF	DI	SH	.00	.00	R1	.58	70	31	
		30	77	4	SH	SH	RPC-ZR	MDD				1		55	1	
	89-Sep	30	77	0	TEH	TEC	610-EF	MDD				1		55	1	
		24	80	1	TEC	TEH	610-EF	MDD	DH	33.46	.00	6	.67	46	32	RESULT OF DISCREPANCY RESOLUTION
	89-Sep	24	80	0	TEH	TEC	610-EF	MDD				1		56	1	
		48	82	1	TEC	TEH	610-EF	DI	TEC	12.24	.00	R1	21.00	12	24	RESULT OF DISCREPANCY RESOLUTION
	89-Sep	48	82	0	TEH	TEC	610-EF	MDD				1		57	1	
		25	83	1	TEC	TEH	610-EF	IMR	TEH	20.86	.00	R1				RESULT OF DISCREPANCY RESOLUTION
	DATE	ROW	COL	PLAK	CE-B	CE-E	PROBE	IMD	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE#	COMMENTS

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCE - A/D4

INSPECTIONS: MP - Y1

1-Nov-91 1112

I	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE1	COMMENTS	
I	89-Sep	25	83	0	TEH	TEH	610-EF	DI	TEH	20.83	.00	M1	.86	127	57	RESULT OF DISCREPANCY RESOLUTION	
I	89-Sep	25	83	0	TSH	TEH	RPC-ZR	MDD				1		85	1		
I																	
I		32	92	1	11C	TEH	610-EF	DI	3H	.00	.00	M1	.89	15	32	RESULT OF DISCREPANCY RESOLUTION	
I			32	92	1	11C	TEH	610-EF	DI	3H	.00	.00	M1	.63	75	30	RESULT OF DISCREPANCY RESOLUTION
I				32	92	4	3H	3H	RPC-ZR	MDD			1		55	1	
I	89-Sep	32	92	0	TEH	TEC	610-EF	MDD				1		62	1		
I																	
I		7	93	1	TEC	TEH	610-EF	DI	3H	.00	.00	M1	.61	80	29	RESULT OF DISCREPANCY RESOLUTION	
I			7	93	4	3H	3H	RPC-ZR	MDD			1		55	1		
I	89-Sep	7	93	0	TEH	TEC	610-EF	MDD				1		63	1		
I																	
I		41	95	1	TEC	TEH	610-EF	MUR	10H	11.99	.00	1	.80	27	25	RESULT OF DISCREPANCY RESOLUTION	
I	89-Sep	41	95	0	TEH	TEC	610-EF	MUR	10H	12.49	.00	1		63	RESULT OF LAR		
I																	
I		4	99	1	11C	TSH	610-EF	MDD				1		55	RESULT OF DISCREPANCY RESOLUTION		
I			4	99	1	11C	TEH	610-EF	MUR	7H	4.55	.00	1		51	RESULT OF DISCREPANCY RESOLUTION	
I	89-Sep	4	99	0	11H	TEC	610-EF	MDD				1		7	1		
I	89-Sep	4	99	0	11H	TEH	610-EF	MUR	7H	4.11	.00	1		77	RESULT OF LAR		
I																	
I		9	102	1	11C	TEH	610-EF	DI	3H	.00	.00	M1	.42	79	35	1	
I			9	102	4	3H	3H	RPC-ZR	MDD			1		55	1		
I	89-Sep	9	102	0	TEH	TEC	610-EF	DAU				1		13	RESULT OF DISCREPANCY RESOLUTION		
I																	
I		11	108	1	TEC	TEH	610-EF	DI	3H	.00	.00	M1	.77	62	20	RESULT OF DISCREPANCY RESOLUTION	
I			11	108												RPC INDICATION PID FROM DODDIN TEST	
I			11	108	4	3H	3H	RPC-ZR	SAT	3H	-.10	.00	1	.72	157	55	TEST FOR POSITIVE I.D.
I				11	108											>>> POSITIVE I.D. ESTABLISHED <<<	
I	89-Sep	11	108	4	3H	3H	RPC-ZR	LW	3H	278.0	278.0	1	100.50	48	55	1	
I	89-Sep	11	108	0	TEH	TEC	610-EF	1AU				1		13	RESULT OF DISCREPANCY RESOLUTION		
I	89-Sep	11	108	0	TEH	TEC	610-EF	DI	3H	.00	.00	M1	.60	86	13	RESULT OF DISCREPANCY RESOLUTION	
I	89-Sep	11	108	0	3H	3H	RPC-ZR	MDD				1		85	RESULT OF LAR		
I																	
I		23	109	1	TEC	TEH	610-EF	DI	AU4	.00	.00	1	.46	122	27	RESULT OF LAR	

I DATE ROW COL PLAN CE-B CE-E PROBE IND LOCK INCH1 INCH2 CHAN VOLTS DEG TAPE1

COMMENTS

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCE - R/04

IMPLICTION: NO-1

J-Kev-91 11121

	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE#	COMMENTS
		23	109	1	TEC	TEH	610-ET	1Y	R04	.00	.00	M1	.65	51	RESULT OF DISCREPANCY RESOLUTION	
	89-Sep	23	109	0	TEH	TEC	610-EB	KDO				1		67	1	
		8	110	1	110	TSH	610-ET	KDO				1		34	RESULT OF DISCREPANCY RESOLUTION	
		8	110	1	SH	TEH	610-ET	DI	3H	.00	.00	M1	.56	82	RESULT OF DISCREPANCY RESOLUTION	
		8	110	4	3H	3H	RPC-ZR	KDO				1		55	1	
	89-Sep	8	110	0	TEV	TEC	610-EB	DAV				1		13	RESULT OF DISCREPANCY RESOLUTION	
		11	110	1	TEC	TEH	610-ET	DAK	3H	.00	.00	M1		20	RESULT OF DISCREPANCY RESOLUTION	
	89-Sep	11	110	0	TEH	TEC	610-EB	2AV				1		13	RESULT OF DISCREPANCY RESOLUTION	
	89-Sep	11	110	6	TEH	TEC	610-EB	VI	3H	.00	.00	M1	.66	42	RESULT OF DISCREPANCY RESOLUTION	
	89-Sep	11	110	0	3H	3H	RPC-ZA	KDO				1		85	1	
	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE#	COMMENTS

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCF -D/D4

INSPECTION: Apr-91

1-Nov-91 11:24

	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG TAPE1	COMMENTS
		6	21	5	SH	SH	RPC-ZR	MDD					1	55	I
		6	21	4	SH	SH	RPC-ZR	MDD					1	55	I
		6	21	10	1H	TSH	RPC-ZR	MDD					1	55	RESULT OF DISCREPANCY RESOLUTION
	89-Sep	6	21	0	TEH	TEC	610-EF	MDD					1	24	I
		33	23	1	11C	TEH	610-EF	DI	SH	.00	.00	M1	.55	126	10 IRESULT OF DISCREPANCY RESOLUTION
		33	23	4	SH	SH	RPC-ZR	MDD					1	55	I
	89-Sep	33	23	0	TEH	TEC	610-EF	MDD					1	30	I
		25	25	1	11C	TEH	610-EF	15	SH	.00	.00	M1	.46	128	10 IRESULT OF DISCREPANCY RESOLUTION
		25	25	5	SH	SH	RPC-ZR	MDD					1	55	I
		25	25	4	SH	SH	RPC-ZR	MDD					1	55	I
		25	25	8	1H	1H	RPC-ZR	MDD					1	55	I
		25	25	9	TSH	TSH	RPC-ZR	MDD					1	55	I
	89-Sep	25	25	0	TEH	TEC	610-EF	MDD					1	32	I
		31	25	1	11C	TEH	610-EF	DI	SH	.00	.00	M1	.40	104	10 IRESULT OF DISCREPANCY RESOLUTION
		31	25	4	SH	SH	RPC-ZR	MDD					1	55	I
	89-Sep	31	25	0	TEH	TEC	610-EF	MDD					1	31	I
		33	25	1	10C	TEH	610-EF	39	SH	.00	.00	M1	.69	111	10 IRESULT OF DISCREPANCY RESOLUTION
		33	25	-	-	-	-	-	-	-	-	-	-	-	IRPC INDICATION PID FROM BODDIN TEST
		33	25	4	SH	SH	RPC-ZR	SAC	SH	.00	.00	2	11.55	83	55 IRESULT OF DISCREPANCY RESOLUTION
		33	25	-	-	-	-	-	-	-	-	-	-	-	I-TEST FOR POSITIVE I.D.
		33	25	-	-	-	-	-	-	-	-	-	-	-	>>> POSITIVE I.D. ESTABLISHED <<<
	89-Sep	33	25	0	TEH	TEC	610-EF	MDD					1	31	I
		34	25	1	11C	TEH	610-EF	DI	SH	.00	.00	M2	1.17	85	10 I
		34	25	1	11C	TEH	610-EF	DI	SH	.00	.00	M1	.55	85	10 IRESULT OF NON-RESOLUTION ITEM ADD OR CHANG
		34	25	-	-	-	-	-	-	-	-	-	-	-	IRPC INDICATION PID FROM BODDIN TEST
		34	25	-	-	-	-	-	-	-	-	-	-	-	>>> POSITIVE I.D. ESTABLISHED <<<
		34	25	5	SH	SH	RPC-ZR	MDD					1	55	I
		34	25	10	1H	TSH	RPC-ZR	MDD					1	55	I
		34	25	4	SH	SH	RPC-ZR	MAD	SH	.02	.00	2	18.49	130	55 IRESULT OF DISCREPANCY RESOLUTION
		34	25	-	-	-	-	-	-	-	-	-	-	-	I-TEST FOR POSITIVE I.D.
		34	25	-	-	-	-	-	-	-	-	-	-	-	I-THIS TUBE MANUALLY REMOVED FROM RETEST LI
	89-Sep	34	25	0	TEH	TEC	610-EF	MDD					1	31	I
	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG TAPE1	COMMENTS

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCE D/D4

INSPECTION: Apr-71

1-Mar-71 11:24

I	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IMD	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE#	COMMENTS
	29	26	1	TEH	TEH	610-EF	DI	TEC	17.05	.00	M1			61		
	89-Sep	29	26	0	TEH	TEC	610-EB	DI	TEC	17.05	.00	M1	1.50	42	32	RESULT OF LAR
	89-Sep	29	26	0	TSC	TEC	RPC-ZR	MDD				1		72	1	
	46	33	1	TEC	TEH	610-EF	DI	JH	.00	.00	1	.46	153	0	RESULT OF DISCREPANCY RESOLUTION	
	46	33														IRPC INDICATION PID FROM BUBBLE TEST
	46	33	4	JH	JH	RPC-ZR	SAT	JH	.00	.00	2	18.49	130	55	RESULT OF DISCREPANCY RESOLUTION	
	46	33														IRETEST FOR POSITIVE I.D.
	46	33														1)))))> POSITIVE I.D. ESTABLISHED <<<
	89-Sep	46	33	0	TEH	TEC	610-EB	MDD				1		35	1	
	24	43	1	11C	TEH	610-EF	DI	JH	.00	.00	1	.63	95	22	1	
	24	43	4	JH	JH	RPC-ZR	MDD					1		55	1	
	89-Sep	24	43	0	TEH	TEC	610-EB	MDD				1		41	1	
	28	44	1	11C	TEH	610-EF	DI	JH	.00	.00	M1	.62	85	22	RESULT OF DISCREPANCY RESOLUTION	
	28	44	1	11C	TEH	610-EF	DI	SH	.00	.00	M1	.69	97	22	RESULT OF DISCREPANCY RESOLUTION	
	28	44	5	SH	SH	RPC-ZR	MDD					1		55	1	
	28	44	4	JH	JH	RPC-ZR	MDD					1		55	1	
	28	44	10	1H	TSH	RPC-ZR	MDD					1		55	1	
	89-Sep	28	44	0	TEH	TEC	610-EB	MDD				1		42	1	
	42	44	1	11C	TEH	610-EF	DI	JH	.00	.00	M1	.45	67	22	RESULT OF DISCREPANCY RESOLUTION	
	42	44	4	JH	JH	RPC-ZR	MDD					1		55	1	
	89-Sep	42	44	0	TEH	TEC	610-EB	MDD				1		42	1	
	27	47	1			610-EF	MT				M1		12	1		
	27	47	1	11C	TEH	610-EF	DI	2H	.00	.00	M1	.30	70	52	RESULT OF DISCREPANCY RESOLUTION	
	27	47	6	2H	2H	RPC-ZR	MDD					1		55	1	
	27	47	5	SH	SH	RPC-ZR	MDD					1		55	1	
	27	47	4	JH	JH	RPC-ZR	MDD					1		55	1	
	27	47	9	TSH	TSH	RPC-ZR	MDD					1		55	1	
	27	47	8	1H	**	RPC-ZR	SCH					1		55	1	SUPPORT NOT VISIBLE AT 1H
	89-Sep	27	47	0	TEH	TEC	610-EB	MDD				1		43	1	
	31	47	1			610-EF	MT				M1		12	1	IRETEST - TEST FULL LENGTH	
I	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IMD	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE#	COMMENTS

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCE -D/D4

INSPECTION: Apr-91

I-Hav-91 11124

	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	END	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE#	COMMENTS
		31	47	1	11C	TEH	610-EF	DI	SH	.00	.00	M1	.44	56	52	RESULT OF DISCREPANCY RESOLUTION
		31	47	1	11C	TEH	610-EF	DI	SH	.00	.00	M1	.70	65	52	RESULT OF DISCREPANCY RESOLUTION
		31	47	5	5H	5H	RPC-ZR	MDD				1		55	1	
		31	47	4	3H	3H	RPC-ZR	MDD				1		55	1	
		31	47	10	1H	TSH	RPC-ZR	MDD				1		55	1	
	89-Sep	31	47	0	TEH	TEC	610-EF	MDD				1		43	1	
		32	47	1			610-EF	MT				M1		12	I-TEST - TEST FULL LENGTH	
		32	47	1	11C	TEH	610-EF	DI	SH	.00	.00	M1	.65	87	52	1
		32	47	4	3H	3H	RPC-ZR	MDD				1		55	1	
	89-Sep	32	47	0	TEH	TEC	610-EB	MDD				1		43	1	
		27	50	1	TEC	TEH	610-EF	DI	SH	.06	.00	M1	.94	74	13	RESULT OF LAR
		27	50	1	TEC	TEH	610-EF	DI	SH	.00	.60	M1	.71	60	13	RESULT OF LAR
		27	50	1	11C	TEH	610-EF	DI	SH	.00	.00	1	.74	94	23	1
		27	50	1	11C	TEH	610-EF	DI	SH	.00	.00	1	.38	116	23	RESULT OF DISCREPANCY RESOLUTION
		27	50	5	5H	5H	RPC-ZR	MDD				1		55	1	
		27	50	4	3H	3H	RPC-ZR	MDD				1		55	1	
		27	50	9	TSH	TSH	RPC-ZR	MDD				1		55	1	
		27	50	8	1H	1H	RPC-ZR	SCM				1		55	I SUPPORT NOT VISIBLE AT 1H	
	89-Sep	27	50	0	TEH	TEC	610-EB	MDD				1		45	1	
		21	52	1	TEC	TEH	610-EF	DI	SH	.00	.00	M1	.70	90	14	RESULT OF DISCREPANCY RESOLUTION
		21	52	1	TEC	TEH	610-EF	DI	SH	.00	.00	M1	.86	76	14	RESULT OF DISCREPANCY RESOLUTION
		21	52	5	5H	5H	RPC-ZR	MDD				1		55	1	
		21	52	4	3H	3H	RPC-ZR	MDD				1		55	1	
		21	52	9	TSH	TSH	RPC-ZR	MDD				1		55	1	
		21	52	8	1H	1H	RPC-ZR	SCM				1		55	I SUPPORT NOT VISIBLE AT 1H	
	89-Sep	21	52	0	TEH	TEC	610-EB	MDD				1		45	1	
		20	53	1	TEC	TEH	610-EF	DI	SH	.00	.00	M1	.80	82	14	RESULT OF DISCREPANCY RESOLUTION
		20	53	4	3H	3H	RPC-ZR	MDD				1		56	1	
	89-Sep	20	53	0	TEH	TEC	610-EB	MDD				1		46	1	
		25	53	1	TEC	TEH	610-EF	DI	SH	.00	.00	M1	.64	59	14	RESULT OF DISCREPANCY RESOLUTION
		25	53	4	3H	3H	RPC-ZR	MDD				1		56	1	
	89-Sep	25	53	0	TEH	TEC	610-EB	MDD				1		46	1	
	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	END	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE#	COMMENTS

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCE -0/14

INSPECTION# APR-PI

1-HW-51 1174

DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DIG	TAPE#	COMMENTS
	21	54	1	TEC	TEH	610-EF	DI	BH	,00	,00	M1	,62	83	14	RESULT OF DISCREPANCY RESOLUTION
	21	54	7	8H	8H	RPC-ZR	MDD					1			56 1
	21	54	6	7H	7H	RPC-ZR	MDD					1			56 1
	21	54	5	5H	5H	RPC-ZR	MDD					1			56 1
	21	54	4	3H	3H	RPC-ZR	MDD					1			56 1
	21	54	9	TSH	TSH	R/C-ZR	MDD					1			56 1
	21	54	8	1H	1H	RPC-ZR	SCH					1			56 1 SUPPORT NOT VISIBLE AT 1H
89-Sep	21	54	0	TEC	TEC	610-EF	MDD					1			46 1
															1
	28	54	1	TEC	TEH	610-EF	DI	3H	,00	,00	M1	1.04	82	14	RESULT OF DISCREPANCY RESOLUTION
	28	54	4	3H	3H	RPC-ZR	MDD					1			56 1
89-Sep	28	54	0	TEC	TEC	610-EF	MDD					1			46 1
															1
	41	54	1	TEC	TEH	610-EF	DI	2H	,00	,00	M1	,51	101	14	RESULT OF DISCREPANCY RESOLUTION
	41	54	6	7H	7H	RPC-ZR	MDD					1			56 1
	41	54	5	5H	5H	RPC-ZR	MDD					1			56 1
	41	54	4	3H	3H	RPC-ZR	MDD					1			56 1
	41	54	10	1H	TSH	R/C-ZR	MDD					1			56 1
89-Sep	41	54	0	TEC	TEC	610-EF	MDD					1			46 1
															1
	36	55	1	TEC	TEH	610-EF	DI	3H	,03	,00	M1	,77	68	15	RESULT OF DISCREPANCY RESOLUTION
	36	55	4	3H	3H	RPC-ZR	MDD					1			56 1
89-Sep	36	55	0	TEC	TEC	610-EF	MDD					1			47 1
															1
	42	59	1	TEC	TEH	610-EF	PI	AU1	,00	,00	M1	,83	77	25	RESULT OF DISCREPANCY RESOLUTION
	42	59													RETEST - TEST FULL LENGTH
	42	59	1	TEC	TEH	610-EF	25	AU1	,00	,00	M2	1.44		52 1	
89-Sep	42	59	0	11C	TEC	610-EF	MDD					1			6 1
89-Sep	42	59	2	10C	TEH	610-EF	MDD					1			70 RESULT OF DISCREPANCY RESOLUTION
															1
	45	59	1	TEC	TEH	610-EF	PI	AU1	,00	,00	M1	,55	126	25	RESULT OF DISCREPANCY RESOLUTION
	45	59	1	TEC	TEH	610-EF	PI	AU3	,00	,00	M1	1.25	143	25	RETEST - TEST FULL LENGTH
	45	59	1	TEC	TEH	610-EF	21	AU1	,00	,00	M2	,89		52 1	
	45	59	1	TEC	TEH	610-EF	23	AU3	,00	,00	M2	1.13		52 1	
89-Sep	45	59	0	11C	TEC	610-EF	MDD					1			6 1
89-Sep	45	59	0	11C	TEH	610-EF	22	AU3	,00	,00	M2	,87		70 RESULT OF DISCREPANCY RESOLUTION	
															1
															1
DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DIG	TAPE#	COMMENTS

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCE -D/D4

INSPECTION# APR-71

1-KAU-51 11124

I	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	ID#	LOCK	INCH1	INCH2	CHAR	VOLTS	DEG	TAPE#	COMMENTS
		28	62	1	TEC	TEH	610-EF	KDD					1		26	1
		28	62	1	11C	TEH	610-EF	35	SH	.00	.00	M1	.38	114	56	RESULT OF DISCREPANCY RESOLUTION
		28	62	5	SH	SH	RPC-ZR	KDD					1		56	1
		28	62	4	3H	3H	RPC-ZR	KDD					1		56	1
		28	62	9	TSH	TSH	RPC-ZR	KDD					1		56	1
		28	62	8	1H	1H	RPC-ZR	SCH					1		56	1 SUPPORT MUT VISIBLE AT 1H
	89-Sep	28	62	0	TEH	TEC	610-EF	KDD					1		42	1
		34	62	1	TEC	TEH	610-EF	KDD					1		26	1
		34	62	1	10C	TEH	610-EF	31	3H	.00	.00	M1	.44	117	56	RESULT OF DISCREPANCY RESOLUTION
		34	62	4	3H	3H	RPC-ZR	KDD					1		56	1
	89-Sep	34	62	0	TEH	TEC	610-EF	KDD					1		49	1
		14	63	1	11C	TEH	610-EF	35	7H	.00	.00	M1	.49	112	52	RESULT OF DISCREPANCY RESOLUTION
		14	63	6	7H	7H	RPC-ZR	KDD					1		57	1
		14	63	5	5H	5H	RPC-ZR	KDD					1		57	1
		14	63	4	3H	3H	RPC-ZR	KDD					1		57	1
		14	63	10	1H	TSH	RPC-ZR	KDD					1		57	1
	89-Sep	14	63	0	TEH	TEC	610-EF	KDD					1		50	1
		24	64	1	TEC	TEH	610-EF	38	3H	.00	.00	M1	.29	100	27	1
		24	64	4	3H	3H	RPC-ZR	KDD					1		56	1
	89-Sep	24	64	0	TEH	TEC	610-EF	KDD					1		50	1
		29	65	1	10C	TEH	610-EF	DI	3H	.00	.00	M1	.68	93	50	RESULT OF LAR
		29	65	1	10C	TEH	610-EF	PID	3H	.00	.00	M1	.54	80	53	POSITIVE I.D. ESTABLISHED <<<<
		29	65	-	-	-	-	-	-	-	-	-	-	-	-	RESULT OF DISCREPANCY RESOLUTION
		29	65	4	3H	3H	RPC-ZR	KDD					1		56	1
	89-Sep	29	65	0	TEH	TEC	610-EF	KDD					1		50	1
		33	65	1	10C	TEH	610-EF	DI	3H	.00	.00	M1	.78	66	50	RESULT OF LAR
		33	65	1	11C	TEH	610-EF	PID	3H	.00	.00	M1	.79	72	53	POSITIVE I.D. ESTABLISHED <<<<
		33	65	4	3H	3H	RPC-ZR	KDD					1		56	1
	89-Sep	33	65	0	TEH	TEC	610-EF	KDD					1		50	1
		43	65	1	11C	TEH	610-EF	DI	3H	.00	.00	M1	.60	96	50	RESULT OF DISCREPANCY RESOLUTION
I	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	ID#	LOCK	INCH1	INCH2	CHAR	VOLTS	DEG	TAPE#	COMMENTS

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCE -D/D4

INSPECTION: APR-91

1-hr-11124

	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE#	COMMENTS
		43	65	4	3H	3H	RPC-ZR	MDD				1		56	1	
	89-Sep	43	65	0	TEH	TEC	610-ED	MDD				1		50	1	
		44	70	1	TEC	TEH	610-EF	DI	5H	,00	,00	M1	,49	124	29	1
		44	70	5	5H	5H	RPC-ZR	MDD				1		56	1	
		44	70	4	3H	3H	RPC-ZR	MDD				1		56	1	
		44	70	10	1H	TSH	RPC-ZR	MDD				1		56	1	
	89-	44	70	0	TEH	TEC	610-ED	MDD				1		53	1	
		21	79	1	11C	TEH	610-EF	BDA				1		45	1	
		21	79	1	11C	TEH	610-EF	DI	3H	,00	,00	M1	,43	60	46	1
		21	79	4	3H	3H	RPC-ZR	MDD				1		56	1	
	89-Sep	21	79	0	TEH	TEC	610-ED	MDD				1		57	1	
		34	79	1	11C	TEM	610-EF	BDA				1		45	1	
		34	79	1	11C	TEM	610-EF	17	5H	,00	,00	M1	,43	129	46	RESULT OF DISCREPANCY RESOLUTION
		34	79	5	5H	5H	RPC-ZR	MDD				1		56	1	
		34	79	4	3H	3H	RPC-ZR	MDD				1		56	1	
		34	79	10	1H	TSH	RPC-ZR	MDD				1		56	1	
	89-Sep	34	79	0	TEH	TEC	610-ED	MDD				1		57	1	
		35	79	1	11C	TEH	610-EF	BDA				1		45	RESULT OF DISCREPANCY RESOLUTION	
		35	79	1	11C	TEM	610-EF	DI	3H	,00	,00	M1	,43	96	46	RESULT OF DISCREPANCY RESOLUTION
		35	79	4	3H	3H	RPC-ZR	MDD				1		56	1	
	89-Sep	35	79	0	TEH	TEC	610-ED	MDD				1		57	1	
		27	81	1	11C	TEM	610-EF	DI	3H	,00	,00	M1	,35	44	45	RESULT OF DISCREPANCY RESOLUTION
		27	81	4	3H	3H	RPC-ZR	MDD				1		56	1	
	89-Sep	27	81	0	TEH	TEC	610-ED	MDD				1		50	1	
		39	81	1	11C	TEM	610-EF	DI	3H	,00	,00	M1	,57	91	45	RESULT OF DISCREPANCY RESOLUTION
		39	81	4	3H	3H	RPC-ZR	MDD				1		56	1	
	89-Sep	39	81	0	TEH	TEC	610-ED	MDD				1		50	1	
	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE#	COMMENTS

INDICATION LISTING - BOTH LEGS CUMULATIVE

Braidwood Unit 1

CCE -D/D4

INSPECTION: Apr-91

1-Hau-V1 11:24

	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE1	COMMENTS
		43	83	1	11C	TEH	610-EF	DI	3H	.00	.00	M1	.37	65	44	RESULT OF DISCREPANCY RESOLUTION
		43	83	4			RPC-ZR	WT								56 1
		43	83	4	3H	3H	RPC-ZR	MDD				1				57 1
	89-Sep	43	83	0	TEH	TEC	610-EB	MDD				1				59 1
																1
		41	85	1	11C	TEH	610-EF	DI	3H	.00	.00	M1	.84	44	44	RESULT OF DISCREPANCY RESOLUTION
		41	85	4	3H	3H	RPC-ZR	MDD				1				57 1
	89-Sep	41	85	0	TEH	TEC	610-EB	MDD				1				60 1
																1
		18	86	1	11C	TEH	610-EF	DI	3H	.00	.00	M1	.61	38	44	RESULT OF DISCREPANCY RESOLUTION
		18	86	4	3H	3H	RPC-ZR	MDD				1				57 1
	89-Sep	18	86	0	TEH	TEC	610-EB	MDD				1				60 1
																1
		34	97	1	11C	TEH	610-EF	DI	3H	.00	.00	M1	.60	95	43	RESULT OF LAR
		34	97	1	11C	TEH	610-EF	PID	3H	.00	.00	M1	.39	101	53	>>>> POSITIVE I.D. ESTABLISHED <<<
		34	97	4	3H	3H	RPC-ZR	MDD				1				57 1
	89-Sep	34	97	0	TEH	TEC	610-EB	MDD				1				62 1
																1
		37	97	1	11C	TEH	610-EF	DI	3H	.00	.00	M1	.60	99	43	RESULT OF DISCREPANCY RESOLUTION
		37	97	4	3H	3H	RPC-ZR	MDD				1				57 1
	89-Sep	37	97	0	TEH	TEC	610-EB	MDD				1				62 1
																1
		17	97	1	TEC	TEH	610-EF	INR	TEC	15.04	.00	1				35 1
		17	97	1	11C	TEH	610-EF	MDD				1				42 1
	89-Sep	17	97	0	TEH	TEC	610-EB	DI	TEC	15.10	.00	M1	17.61	12	66	RESULT OF DISCREPANCY RESOLUTION
	89-Sep	17	97	0	1SC	TEC	RPC-ZR	MDD				1				72 1
																1
		20	108	1	TEC	TEH	610-EF	INR	TEH	8.56	.00	1				38 1
	89-Sep	20	108	0	TEH	TEC	610-EB	DI	TEH	8.49	.00	M1	1.72	43	74	
	89-Sep	20	108	0	TSH	TEH	RPC-ZR	MDD				1				86 1
																1
		15	109	1	TEC	TEH	610-EF	INR	TEH	16.43	.00	1				38
	89-Sep	15	109	0	TEH	TEC	610-EB	DI	TEH	16.24	.00	M1	2.87	40	70	
	89-Sep	15	109	0	TSH	TEH	RPC-ZR	MDD				1				86 1
																1
	DATE	ROW	COL	PLAN	CE-B	CE-E	PROBE	IND	LOCK	INCH1	INCH2	CHAN	VOLTS	DEG	TAPE1	COMMENTS

APPENDIX 4
CERTIFIED EDDY CURRENT TESTING PERSONNEL

PERSONNEL CERTIFICATIONS

The following personnel acquired and analyzed the eddy current data for Braidwood Unit 1 second refuel outage (AIR02). Those personnel identified with an asteris analyzed the data.

NAME	ET CERT. LEVEL	COMPANY
* A.J. Dlabik	IIA	W
* J.E. Dye	IIA	W
* K.P. Hoolahan	IIA	W
* R.H. Ingraham	III	W
G.W. Miller	II	W
* R.A. Popovich	III	W
M.L. Price	I	W
D.L. Reif	II	W
* M.A. Richmond	III	W
T.M. Robertson	IIA	W
S.H. Taylor	IIA	W
W.R. Vaidez	I	W
L.J. Raper	IIA	ANA
* P.W. O'Grady	IIA	ANA
R.S. Miller	II	ANA
E.J. Hako	IIA	ANA
Y.K. Salls	IIA	ANA
C.F. Benefeld	IIA	ANA
* E.P. Lopez	IIA	ANA
* V.S. Lynn	IIA	ANA
* J.I. Radovanic	III	ANA
* C.M. Whatley	IIA	ANA
* B.E. Akerlind	IIA	UTL
* D.R. Greene	IIA	UTL
* K.D. Stewart	IIA	UTL
* J.T. Shelden	IIA	NDE
* M.S. Mast	IIA	NDE
* C.K. Wheeler	IIA	NDE
* J.M. Case	IIA	NDE
K.C. Miller	I	W
C.E. Walton	II	ANA
M.A. Jones	I	ANA
J.J. Chapla	III	ANA